Solutions-IES
Industrial & Environmental Services

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January 21, 2015

Mr. Kim Caulk, P.G.
Inactive Hazardous Sites Branch – REC Program
NCDENR Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Via E-mail: kim.caulk@ncdenr.gov

RE**:** **January 2015 Quarterly Status Report**
(3rd Remedial Action Progress Report for Groundwater)
Eaton Corporation Former Facility
1100 East Preston Street, Selma, NC
NCDENR Site ID No. NONCD 0002853
Solutions-IES Project No. 2013.0014.EATN

Dear Mr. Caulk,

Solutions-IES, Inc. (SIES), on behalf of Eaton Corporation (Eaton), has prepared this Quarterly Status Report for the former Eaton facility located at 1100 East Preston Street in Selma, NC (**Figure 1** in **Attachment 1**). The site is currently occupied by Johnston County Industries, Inc. (JCI). This site was accepted into the Registered Environmental Consultant (REC) program on February 10, 2009. The Remedial Investigation Work Plan (RI WP) dated February 17, 2009, was certified by the Registered Site Manager (RSM) and submitted to NCDENR. Two RI WP amendments were subsequently submitted dated June 25, 2010, and January 4, 2011. The RI Report dated February 8, 2012, was certified by the RSM on February 9, 2012. The Groundwater Remedial Action Plan (RAP) dated June 3, 2013, was certified complete by the RSM on August 13, 2013. The Pre-Construction Report dated September 16, 2013, was certified complete by the RSM on September 17, 2013.

GROUNDWATER REMEDY IMPLEMENTATION

The RAP selected remedy of *in situ* bioremediation was initiated on October 21, 2013, with the injection of a colloidal buffer (CoBupH-Mg), followed by an emulsified vegetable oil (EVO) product (EOS XR), into 60 injection wells (Phase 1)[1]. The Phase 2 injection of CoBupH-Mg followed by EOS XR into the remaining 60 injection wells was conducted between January 20, 2014, and February 14, 2014. Construction Completion Report No. 1 dated January 2014, described injection into one-half of the injection network (Phase 1). The report was certified by the RSM on January 15, 2014. Construction Completion Report No. 2 dated April 2014, described injection into the second half of the injection network (Phase 2), included the Construction Completion Certification Work Phase Completion Form (WPC-V) for the site, and was certified by the RSM on April 9, 2014.

[1] CoBupH-Mg and EOS XR were purchased from EOS Remediation, LLC of Raleigh, NC.

SIES performed the Phase 1 3-month post-injection sampling in January 2014, followed by the Phase 1 6-month/Phase 2 3-month post-injection sampling in April 2014. Bioaugmentation using BAC-9™[2] was performed in May 2014. A total of 60 liters (L) of BAC-9 was distributed throughout portions of the Phase 1 and Phase 2 injection zones. The Phase 1 9-month/Phase 2 6-month post-injection sampling event was conducted in July 2014. The Phase 1 12-month/Phase 2 9-month post-injection sampling event was conducted at the beginning on November 2014. This quarterly summary represents the third remedial action progress report for groundwater for the site and summarizes the November 2014 groundwater sampling event.

PERFORMANCE MONITORING

Figures 1 and 2 depicting the monitoring well and injection well locations are provided in **Attachment 1**. Data tables are provided in **Attachment 2**. The monitoring wells are listed on the tables (except **Table 1**) according to their proximity to either the first or second phase of injections, or their location as compliance wells within the overall monitoring well network. MW-2 and MW-16 are within the area injected during Phase 1; MW-3, MW-4, MW-8 and MW-18 are within the Phase 2 injection zone. Changes observed in monitoring wells are presumed to be a result of migration of buffer, EVO or bacteria from the overall injection zone, not a result of direct injection into the monitoring wells.

Monitoring Well Groundwater Sampling and Analysis. During the sampling event in November 2014, 17 monitoring wells were sampled. Water levels were first measured using an electronic water level indicator (**Table 1**). Each well was then purged using a peristaltic pump. Purging continued at a low flow rate until the field parameters of pH (± 0.1 standard unit), specific conductance (± 5%), and turbidity (< 10 nephelometric turbidity units [NTUs]) stabilized. Measurements of temperature, dissolved oxygen (DO), and oxidation-reduction potential (ORP) were also recorded. The field parameters are summarized in **Table 2**.

Groundwater samples were collected directly into laboratory-supplied glassware, packaged, placed on ice in coolers, and delivered under chain-of-custody procedures to CompuChem in Cary, NC, a certified North Carolina analytical laboratory for analysis of volatile organic compounds (VOCs) by EPA Method 8260B. A subset of 16 monitoring wells were also analyzed for natural attenuation parameters including nitrate and sulfate by Method IC300, ferrous iron by SM3500-Fe B, total iron and manganese by EPA Method 6010C, Methane, Ethane, Ethene (MEE) by RSK 175, total organic carbon (TOC) by SM 5310B, alkalinity by 310.2, and sulfide by SM4500S-2-F. A subset of five monitoring wells was also sampled for volatile fatty acids (VFAs) by Microseeps in Pittsburgh, PA. A subset of three monitoring wells was also sampled for molecular biological tools (MBTs) by Microbial Insights in Knoxville, TN.

[2] BAC-9™ is a microbial consortium product purchased from EOS Remediation, LLC of Raleigh, NC. It includes high concentrations of *Dehalococcoides sp*., known to promote complete reductive dechlorination of PCE to ethene.

Injection Well Groundwater Sampling and Analysis. Conventional sampling with bailers was used during the sampling event in November 2014, to collect groundwater samples from 40 injection wells. Handheld meters were used to measure pH and ORP at each sampling location. A subset of four injection wells (IW-2A and IW-42B in Phase 1, and IW-60A and IW-40B in Phase 2) were then purged using a peristaltic pump. Purging continued at a low flow rate until the field parameters of pH (± 0.1 standard unit), specific conductance (± 5%), and turbidity (< 10 NTUs) stabilized. Measurements of temperature, DO, and ORP were also recorded. The field parameters are summarized in **Table 3**.

Groundwater samples from the four injection wells were collected directly into laboratory-supplied glassware, packaged, placed on ice in coolers, and delivered under chain-of-custody procedures to CompuChem for analysis of VOCs by EPA Method 8260B and for natural attenuation parameters including MEE by RSK 175 and sulfide by SM4500S-2-F.

Quality Assurance/ Quality Control. Field quality assurance (QA) and quality control (QC) consisted of cross-contamination source reduction, including the use of new gloves at each monitoring well, the use of disposable sampling equipment, and proper decontamination of non-disposable sampling equipment using non-phosphate detergent and rinses.

As part of the laboratory QA/QC, one duplicate sample and three trip blanks were submitted. The duplicate sample results correlated with the groundwater sample from the well it was collected from (MW-2), with the exception of vinyl chloride (VC). VC was reported at concentrations of 58 micrograms per liter (µg/L) in MW-2 and less than the laboratory method detection limit (MDL) of 7.0 µg/L in the duplicate sample.

Trip blanks were submitted for analysis of VOCs at a frequency of one per each cooler used to store/transport site-specific samples designated for aqueous VOC analysis, with the exception of the cooler that was used to transport MW-11 on November 4, 2014. Acetone and methylene chloride were detected above the laboratory MDL in the trip blank collected on November 3, 2014. Carbon disulfide and methylene chloride were detected above the laboratory MDL in the trip blank collected on November 4, 2014. Acetone, carbon disulfide, and methylene chloride were detected above the laboratory MDL in the trip blank collected on November 4, 2014, in the cooler with groundwater samples from MW-1, only. Overall, the QA/QC results do not influence the following discussion based on the sample results.

Investigation-Derived Waste. Groundwater investigation-derived waste (IDW) generated at the site was temporarily containerized in Department of Transportation (DOT) approved 55-gallon metal drums. These drums were stored at an approved location at the JCI facility and are currently awaiting characterization and disposal.

Groundwater Results and Discussion. As shown in **Tables 4** and **5**, the addition of the colloidal buffer CoBupH-Mg was successful in raising the pH of the aquifer as monitored in the injection wells approximately 12 months post-injection (Phase 1) and 9 months post-injection (Phase 2). However, as shown on **Table 2**, the pH of the injection zone monitoring wells remains below the optimal range for *Dehalococcoides sp.* (DHC) of 5.5 to 7.0 standard units (SU).

Laboratory reports for the monitoring wells are provided in **Attachment 3**. Laboratory reports for the injection wells are provided in **Attachment 4**. Natural attenuation parameters for the monitoring wells and injection wells are summarized in **Tables 6** and **7**, respectively; VOCs for the monitoring wells and injection wells are summarized in **Tables 8** and **9**, respectively; and MBT and VFA results are summarized in **Table 10**. Graphs depicting chlorinated volatile organic compound (CVOC) concentrations over time in select monitoring wells are included in **Attachment 5**.

Table 11 (monitoring wells) and **Table 12** (select injection wells) are summaries of the concentrations of the CVOCs in the tetrachloroethene (PCE) to ethene biodegradation pathway, with a calculation of the "Chlorine Number" prepared as an additional indicator of the extent of biodegradation. Chlorine number (Cl#) accounts for the stoichiometric transformation of the parent compounds to daughter compounds, independent of starting concentration. Un-degraded PCE would have a Cl# of 4.0. As daughter products become more prevalent, the Cl# decreases. The post-injection change in Cl# in MW-2, MW-16 and MW-8 are consistent with the transformations shown in the graphs of these wells in **Attachment 5**.

The groundwater data in the monitoring wells indicate that the addition of EVO has contributed to degradation of PCE and trichloroethene (TCE) into daughter products *cis*-1,2-dichloroethene (*c*DCE) and vinyl chloride (VC) in the Phase 1 injection area (see graphs for MW-2 and MW-16). The impact of EVO addition to the Phase 2 injection area currently shows mixed results, with some degradation observed in MW-8, but not MW-3, MW-4, or MW-18 (see attached graphs). The pH in these monitoring wells appears to still be below optimal for DHC, and may be limiting the enhancement of degradation of CVOCs.

Because of the mixed results of colloidal buffer and EVO impact to the Phase 2 injection zone monitoring wells, and to provide additional data on the aquifer pH and degradation of PCE and TCE, four injection wells (IW-2A and IW-42B in Phase 1 and IW-60A and IW-40B in Phase 2) were sampled during this event. The pH in the four injection wells ranged from 5.9 SU to 9.5 SU, with an average of 7.6 SU. The CVOC concentration data in the injection wells indicate that the extent of biodegradation in these wells appears to be moving into the VC phase from the *c*DCE phase (**Table 12**). Therefore, implementation of *in situ* bioremediation has thus far been effective in reducing PCE and TCE concentrations in the much of the aquifer where the colloidal buffer and EVO were injected. This is reflected by comparing the pre-injection and post-injection PCE plumes depicted in **Figures 3** and **4** in **Attachment 1**.

Contaminant concentrations in compliance monitoring wells outside of the injection zone remained relatively stable compared with historic sampling events, with a few exceptions (MW-1, MW-5, MW-7, and MW-9). The exceptions are noted because the November 2014 post-injection PCE concentrations in each of the wells listed were two or more orders-of-magnitude higher than concentrations reported during the Remedial Investigation phase of the project (based on samples collected in 2010). However, the increases in PCE concentrations in these wells was first observed in October 2013, prior to injection activities. Contaminant concentrations in these wells, as well as all compliance wells, will continue to be evaluated.

Overall, Eaton will evaluate if contingency actions are warranted to spread the treatment zone farther out from the injection wells, as well as evaluate options for reducing CVOC concentrations in groundwater around MW-18.

CLOSING

The next sampling event (Phase 1 15-month/Phase 2 12-month post-injection) is scheduled for the end of January 2015. The results of this sampling event will be submitted with the next remedial action progress report that will be submitted on or about April 8, 2015.

Relative to groundwater, all documents to date have met the milestones identified in the Administrative Agreement and 15A NCAC 13C .0302(l)(1-4). Relative to soil, work is progressing in a manner to achieve the mandatory work phase completion deadlines specified in the Administrative Agreement and 15A NCAC 13C .0302(h). Remediation Party and RSM certifications for this submittal are included in **Attachment 6**.

If you have any questions or need any additional information, please feel free to contact me at (919) 873-1060.

Yours truly,

Solutions-IES, Inc.

Jody Overmyer, P.E., PMP
Project Manager

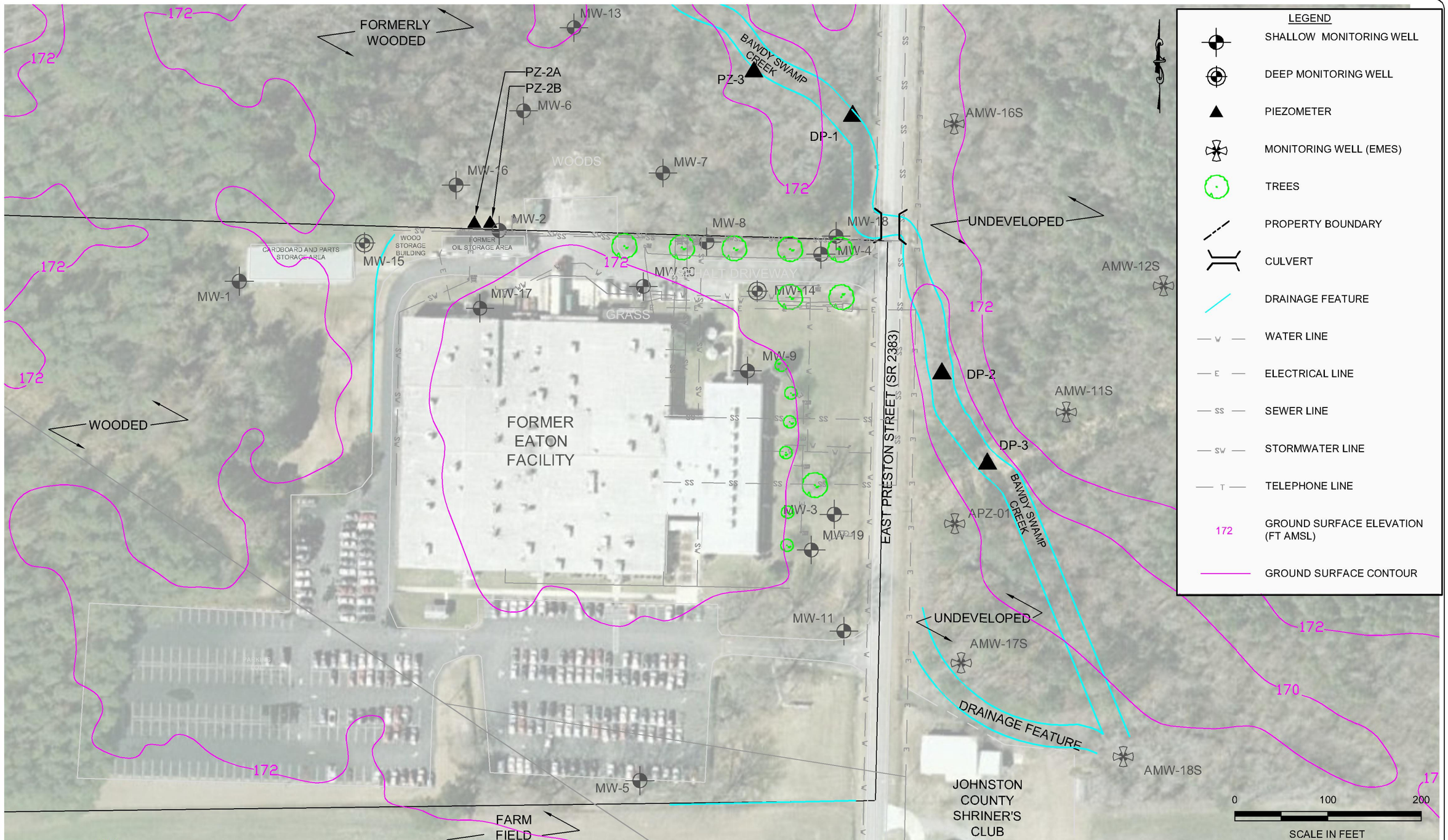
Attachment 1 – Figures
Attachment 2 – Data Tables
Attachment 3 – Monitoring Well Laboratory Reports
Attachment 4 – Injection Well Laboratory Reports
Attachment 5 – Contaminant Concentration Graphs
Attachment 6 – Certification Statements

cc: Ms. Karen Souza, P.G., Allegheny Environmental Services, Inc.
Mr. Jeffery P. Allen, P.G, Eaton Corporation
Mr. Bill Sharek, Johnston County Industries

ATTACHMENT 1

FIGURES

PROJECT NUMBER 2013.0014.EATON | DRAFTER SAM | CHECKED BY JLO | PROJECT MANAGER JLO | DATE 1/14/2015 | FILE Phase 1 12-Month Phase 2 9-Month.dwg



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NOTES:
1) BASEMAP OBTAINED FROM JIMMY BARBOUR SURVEYING, PA, APRIL 2008 .
2) WELL LOCATIONS ARE BASEID ON SURVEY DATA PROVIDED BY KCI ASSOCIATES OF N.C. JUNE 2008, JULY 2010, & OCTOBER 2013.
3) GROUND SURFACE CONTOU RS FROM JOHNSTON COUNTY GIS, 2011.

FORMER EATON FACILITY
1100 EAST PRESTON STREET
SELMA, JOHNSTON COUNTY, NC

SITE MAP

FIGURE: 1

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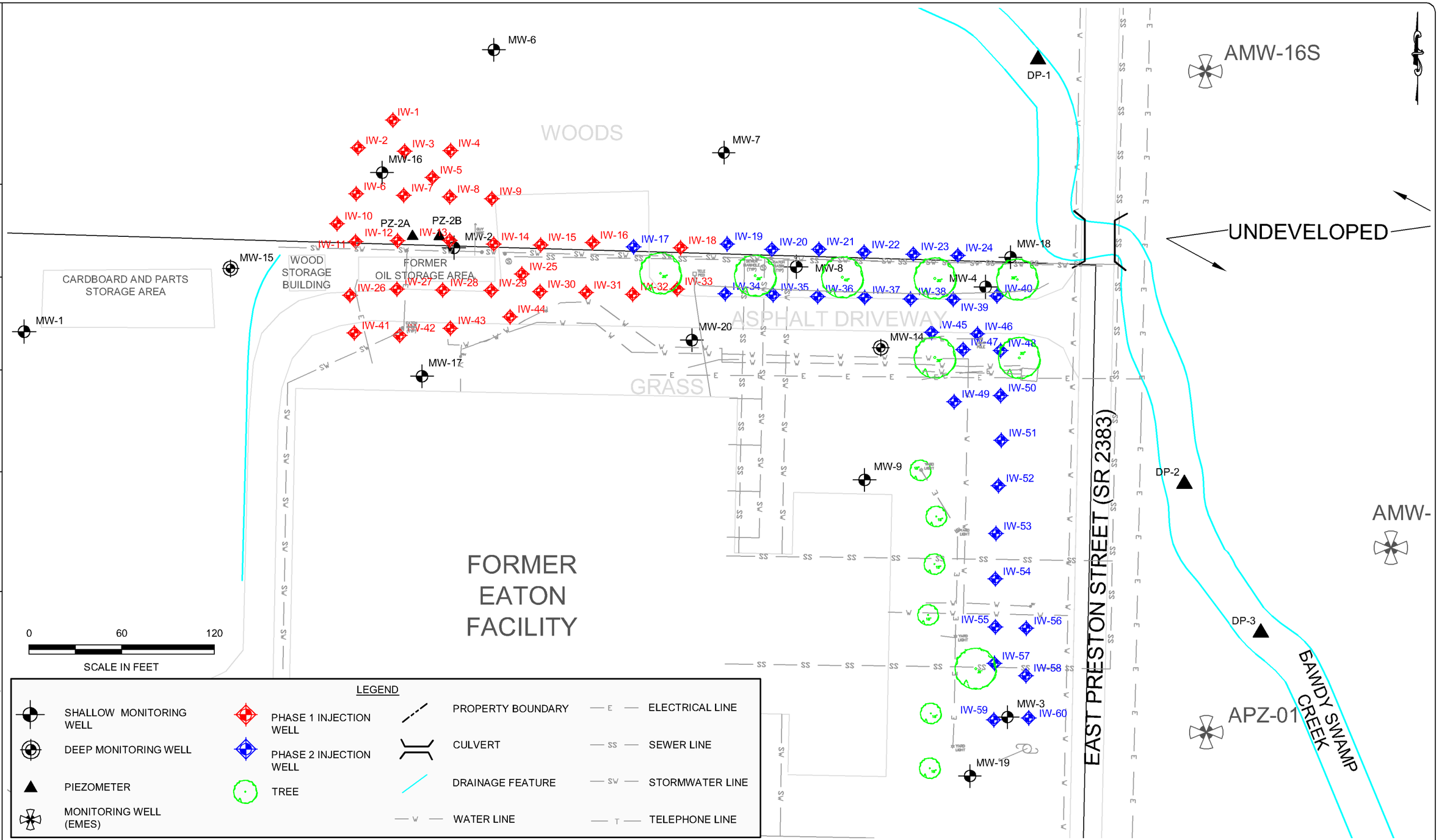
PROJECT NUMBER 2013.0014.EATN
DRAFTER SAM
CHECKED BY JLO
PROJECT MANAGER JLO
DATE 1/14/2015
FILE Phase 1 12-Month Phase 2 9-Month.dwg



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FORMER EATON FACILITY
1100 EAST PRESTON STREET
SELMA, JOHNSTON COUNTY, NC

INJECTION WELL LAYOUT

FIGURE: 2

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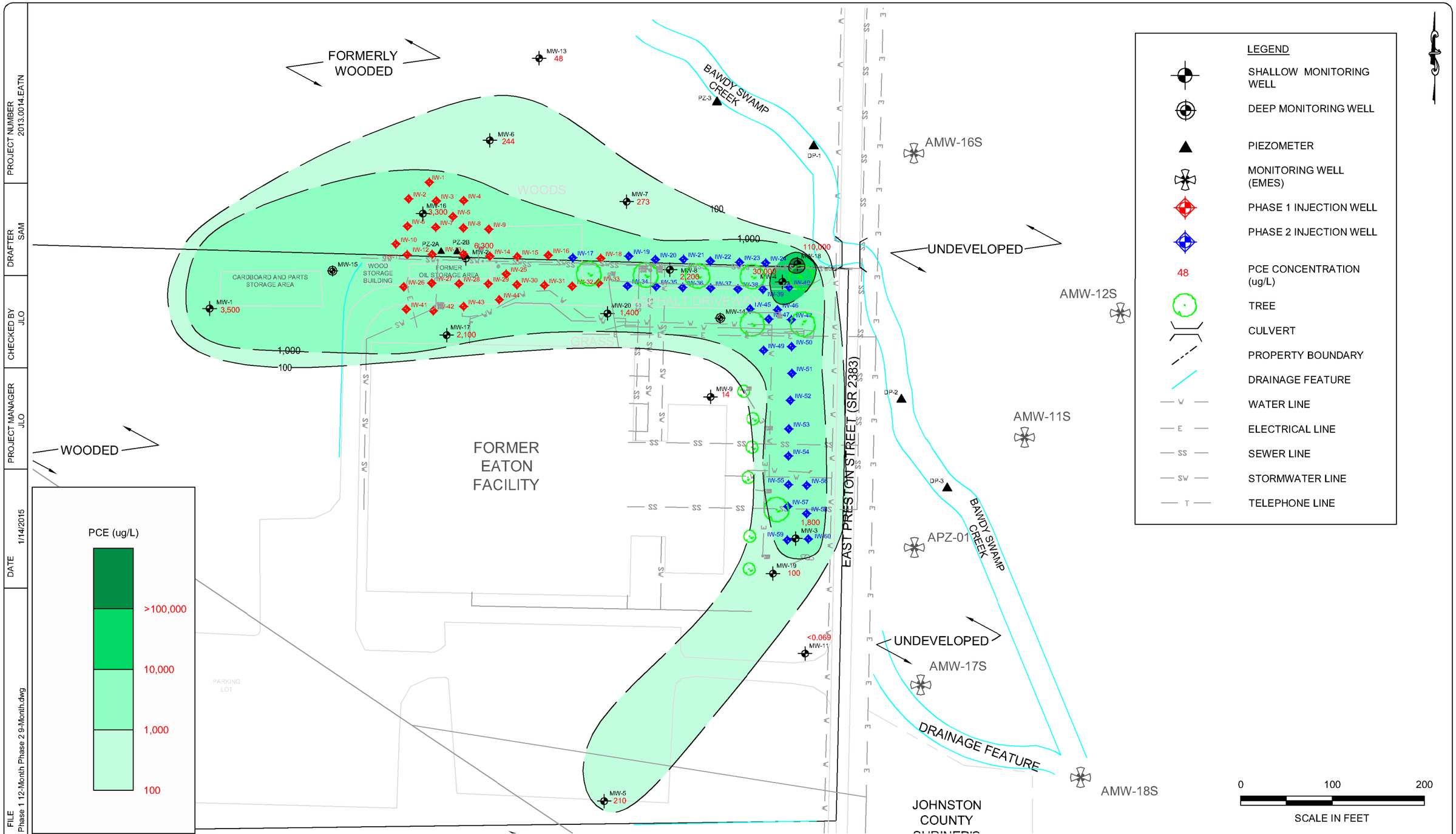

PROJECT NUMBER 2013.0014.EATN
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PROJECT MANAGER JLO
DATE 1/14/2015
FILE Phase 1 12-Month Phase 2 9-Month.dwg

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NOTE:
1) PCE CONCENTRATIONS FOR MW-6 AND MW-7 ARE FROM JULY 2010.

FORMER EATON FACILITY
1100 EAST PRESTON STREET
SELMA, JOHNSTON COUNTY, NC

SHALLOW SOURCE AREA PCE PLUME MAP
PRE-INJECTION - OCTOBER 2013

FIGURE: 3

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PROJECT NUMBER 2013.0014.EATN
DRAFTER SAM
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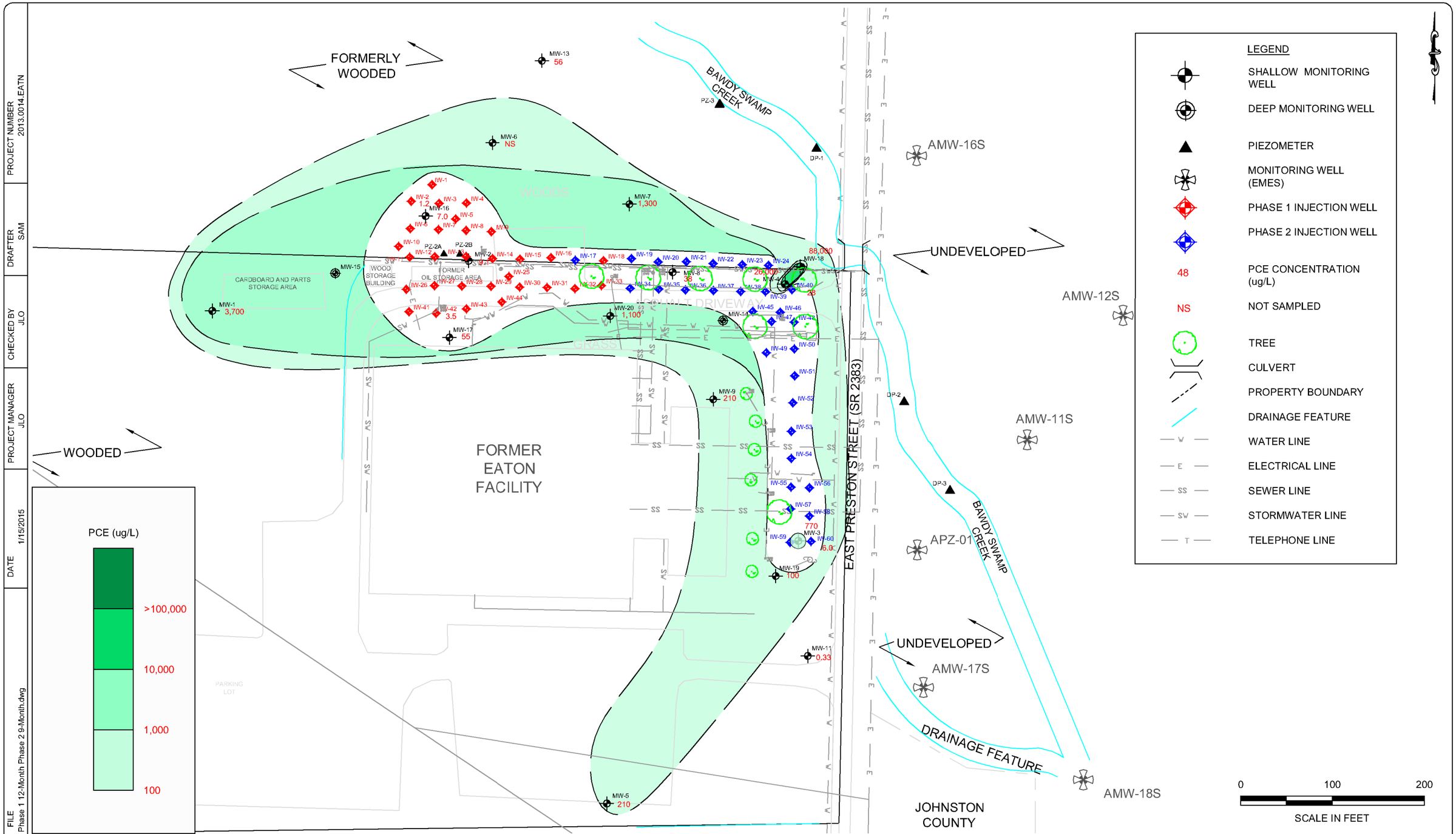
PROJECT MANAGER JLO
DATE 1/15/2015
FILE Phase 1 12-Month Phase 2 9-Month.dwg



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FORMER EATON FACILITY
1100 EAST PRESTON STREET
SELMA, JOHNSTON COUNTY, NC

PHASE 1 (12 MONTH) / PHASE 2 (9 MONTH)
SHALLOW SOURCE AREA PCE PLUME MAP
POST-INJECTION - NOVEMBER 2014

FIGURE: 4

J:Project Files\Eaton Corporation\Eaton Selma\CAD\Current Drawings\Remedial Action\Phase 1 12-Month Phase 2 9-Month.dwg

ATTACHMENT 2

DATA TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well or Piezometer ID	Ground Surface Elevation (ft amsl)	Top of Casing (ft amsl)	Screened Interval (ft bgs)	Date	Depth-to-Water (ft btoc)	Groundwater Elevation (ft amsl)	Depth-to-Water (ft bgs)
Shallow Monitoring Wells							
MW-1	172.63	172.00	15 - 20	6/18/2008	6.61	165.39	7.24
				7/16/2008	6.60	165.40	7.23
				4/8/2009	1.68	170.32	2.31
				4/22/2009	1.38	170.62	2.01
				7/28/2010	8.53	163.47	9.16
				6/27/2011	8.58	163.42	9.21
				4/27/2012	5.65	166.35	6.28
				10/30/2012	10.18	161.82	10.81
				1/31/2013	7.73	164.27	8.36
				10/1/2013	7.32	164.68	7.95
				1/15/2014	1.58	170.42	2.21
				4/28/2014	1.89	170.11	2.52
				7/29/2014	7.80	164.20	8.43
				11/3/2014	5.63	166.37	6.26
MW-2	171.37	171.21	25 - 30	6/18/2008	5.68	165.53	5.84
				7/16/2008	5.65	165.56	5.81
				4/8/2009	0.98	170.23	1.14
				4/22/2009	1.67	169.54	1.83
				7/28/2010	7.45	163.76	7.61
				6/27/2011	7.59	163.62	7.75
				4/27/2012	4.60	166.61	4.76
				10/30/2012	9.21	162.00	9.37
				1/31/2013	6.59	164.62	6.75
				10/1/2013	6.33	164.88	6.49
				1/15/2014	0.90	170.31	1.06
				4/28/2014	1.17	170.04	1.33
				7/29/2014	6.80	164.41	6.96
				11/3/2014	4.65	166.56	4.81
MW-3	171.29	171.13	15 - 20	6/18/2008	5.14	165.99	5.30
				7/16/2008	4.91	166.22	5.07
				4/8/2009	1.01	170.12	1.17
				4/22/2009	1.58	169.55	1.74
				7/28/2010	7.15	163.98	7.31
				6/27/2011	7.43	163.70	7.59
				4/27/2012	4.43	166.70	4.59
				10/30/2012	9.20	161.93	9.36
				1/31/2013	6.17	164.96	6.33
				10/1/2013	6.11	165.02	6.27
				1/15/2014	1.05	170.08	1.21
				4/28/2014	1.49	169.64	1.65
				7/29/2014	6.71	164.42	6.87
				11/3/2014	4.50	166.63	4.66
MW-4	171.73	171.56	15 - 20	6/18/2008	5.84	165.72	6.01
				7/16/2008	5.88	165.68	6.05
				4/8/2009	1.31	170.25	1.48
				4/22/2009	2.02	169.54	2.19
				7/28/2010	7.66	163.90	7.83
				6/27/2011	7.82	163.74	7.99
				4/27/2012	4.78	166.78	4.95
				10/30/2012	9.48	162.08	9.65
				1/31/2013	6.62	164.94	6.79
				10/1/2013	6.51	165.05	6.68
				1/15/2014	1.30	170.26	1.47
				4/28/2014	1.69	169.87	1.86
				7/29/2014	7.06	164.50	7.23
				11/3/2014	4.54	167.02	4.71

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well or Piezometer ID	Ground Surface Elevation (ft amsl)	Top of Casing (ft amsl)	Screened Interval (ft bgs)	Date	Depth-to-Water (ft btoc)	Groundwater Elevation (ft amsl)	Depth-to-Water (ft bgs)
MW-5	171.05	170.42	15 - 20	6/18/2008	4.47	165.95	5.10
				7/16/2008	4.02	166.40	4.65
				4/8/2009	0.4	170.02	1.03
				4/22/2009	1.06	169.36	1.69
				7/28/2010	6.57	163.85	7.20
				6/27/2011	6.93	163.49	7.56
				4/27/2012	4.52	165.90	5.15
				10/30/2012	8.75	161.67	9.38
				1/31/2013	4.86	165.56	5.49
				10/1/2013	5.59	164.83	6.22
				1/15/2014	Above TOC	--	--
				4/28/2014	0.7	169.72	1.33
				7/29/2014	6.19	164.23	6.82
				11/3/2014	3.11	167.31	3.74
MW-6	171.06	173.88	20-30	7/28/2010	10.13	163.75	7.31
				6/27/2011	10.26	163.62	7.44
				4/27/2012	7.34	166.54	4.52
				10/30/2012	11.85	162.03	9.03
				1/31/2013	9.25	164.63	6.43
				1/15/2014	3.62	170.26	0.80
MW-7	171.57	174.68	20-30	7/28/2010	10.78	163.90	7.67
				6/27/2011	10.94	163.74	7.83
				4/27/2012	8.00	166.68	4.89
				10/30/2012	12.53	162.15	9.42
				1/31/2013	9.86	164.82	6.75
				1/15/2014	4.37	170.31	1.26
				4/28/2014	4.66	170.02	1.55
				7/29/2014	10.13	164.55	7.02
				11/3/2014	8.01	166.67	4.90
MW-8	171.28	171.08	20-30	7/28/2010	7.23	163.85	7.43
				6/27/2011	7.36	163.72	7.56
				4/27/2012	4.34	166.74	4.54
				10/30/2012	8.99	162.09	9.19
				1/31/2013	6.27	164.81	6.47
				1/15/2014	0.82	170.26	1.02
				4/28/2014	1.14	169.94	1.34
				7/29/2014	6.53	164.55	6.73
				11/3/2014	4.44	166.64	4.64
MW-9	173.01	172.66	28-38	7/28/2010	9.05	163.61	9.40
				6/27/2011	9.03	163.63	9.38
				10/30/2012	10.72	161.94	11.07
				1/31/2013	8.88	163.78	9.23
				10/1/2013	7.03	165.63	7.38
				1/15/2014	2.55	170.11	2.90
				4/28/2014	2.84	169.82	3.19
				7/29/2014	8.27	164.39	8.62
				11/3/2014	6.07	166.59	6.42
MW-11	170.54	170.25	25-35	7/28/2010	6.35	163.90	6.64
				6/27/2011	6.62	163.63	6.91
				4/27/2012	3.70	166.55	3.99
				10/30/2012	8.45	161.80	8.74
				1/31/2013	5.49	164.76	5.78
				10/1/2013	5.37	164.88	5.66
				1/15/2014	0.26	169.99	0.55
				4/28/2014	0.70	169.55	0.99
				7/29/2014	5.92	164.33	6.21
				11/3/2014	3.70	166.55	3.99

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well or Piezometer ID	Ground Surface Elevation (ft amsl)	Top of Casing (ft amsl)	Screened Interval (ft bgs)	Date	Depth-to-Water (ft btoc)	Groundwater Elevation (ft amsl)	Depth-to-Water (ft bgs)
MW-13	171.49	173.94	21-31	6/27/2011	10.32	163.62	7.87
				4/27/2012	7.40	166.54	4.95
				1/31/2013	9.26	164.68	6.81
				10/1/2013	9.06	164.88	6.61
				1/15/2014	3.75	170.19	1.30
				4/28/2014	4.04	169.90	1.59
				7/29/2014	9.53	164.41	7.08
				11/3/2014	7.40	166.54	4.95
MW-16	171.71	174.78	15-25	10/1/2013	9.90	164.88	6.83
				1/15/2014	4.47	170.31	1.40
				4/28/2014	4.75	170.03	1.68
				7/29/2014	10.41	164.37	7.34
				11/3/2014	8.23	166.55	5.16
MW-17	172.41	172.19	15-25	10/1/2013	7.37	164.82	7.59
				1/15/2014	1.94	170.25	2.16
				4/28/2014	2.24	169.95	2.46
				7/29/2014	7.88	164.31	8.10
				11/3/2014	5.72	166.47	5.94
MW-18	172.01	171.43	15-25	10/1/2013	6.36	165.07	6.94
				1/15/2014	1.12	170.31	1.70
				4/28/2014	1.52	169.91	2.10
				7/29/2014	6.88	164.55	7.46
				11/3/2014	4.73	166.70	5.31
MW-19	171.39	171.19	15-25	10/1/2013	6.22	164.97	6.42
				1/15/2014	1.10	170.09	1.30
				4/28/2014	1.55	169.64	1.75
				7/29/2014	6.76	164.43	6.96
				11/3/2014	4.59	166.60	4.79
MW-20	172.32	172.10	15-25	10/1/2013	7.12	164.98	7.34
				1/15/2014	1.86	170.24	2.08
				4/28/2014	2.15	169.95	2.37
				7/29/2014	7.66	164.44	7.88
				11/3/2014	5.51	166.59	5.73
Deep Monitoring Wells							
MW-14	171.71	171.45	47-57	6/27/2011	7.53	163.92	7.79
				4/27/2012	4.56	166.89	4.82
				10/30/2012	9.22	162.23	9.48
				1/31/2013	6.39	165.06	6.65
				10/1/2013	5.80	165.65	6.06
				1/15/2014	3.81	167.64	4.07
				4/28/2014	0.75	170.70	1.01
				7/29/2014	4.73	166.72	4.99
				11/3/2014	4.46	166.99	4.72
MW-15	171.69	171.49	46-56	6/27/2011	8.00	163.49	8.20
				4/27/2012	5.19	166.30	5.39
				10/30/2012	9.47	162.02	9.67
				1/31/2013	7.16	164.33	7.36
				10/1/2013	6.77	164.72	6.97
				1/15/2014	2.12	169.37	2.32
				4/28/2014	1.70	169.79	1.90
				7/29/2014	7.15	164.34	7.35
				11/3/2014	5.09	166.40	5.29

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well or Piezometer ID	Ground Surface Elevation (ft amsl)	Top of Casing (ft amsl)	Screened Interval (ft bgs)	Date	Depth-to-Water (ft btoc)	Groundwater Elevation (ft amsl)	Depth-to-Water (ft bgs)
Piezometers							
DP-1	167.61	171.01	4-5	7/28/2010	DRY	<162.61	--
				6/27/2011	DRY	<162.61	--
				4/27/2012	2.95	168.06	-0.45
				10/30/2012	2.95	168.06	-0.45
				1/31/2013	4.53	166.48	1.13
				10/1/2013	2.96	168.05	-0.44
				1/15/2014	2.46	168.55	-0.94
				4/28/2014	1.47	169.54	-1.93
				7/29/2014	1.79	169.22	-1.61
				11/3/2014	0.80	170.21	-2.60
DP-2	167.34	170.59	4-5	7/28/2010	DRY	<162.34	--
				6/27/2011	DRY	<162.34	--
				4/27/2012	2.93	167.66	-0.32
				10/30/2012	2.82	167.77	-0.43
				1/31/2013	2.93	167.66	-0.32
				10/1/2013	2.49	168.10	-0.76
				1/15/2014	2.49	168.10	-0.76
				4/28/2014	2.35	168.24	-0.90
				7/29/2014	2.05	168.54	-1.20
				11/3/2014	1.92	168.67	-1.33
DP-3	167.21	170.51	4-5	7/28/2010	DRY	<162.21	--
				6/27/2011	DRY	<162.21	--
				4/27/2012	2.50	168.01	-0.80
				10/30/2012	2.94	167.57	-0.36
				1/31/2013	3.56	166.95	0.26
				10/1/2013	0.50	170.01	-2.80
				1/15/2014	0.95	169.56	-2.35
				4/28/2014	0.35	170.16	-2.95
				7/29/2014	6.98	163.53	3.68
				11/3/2014	0.50	170.01	-2.80
PZ-2A[1]	NS	172.84	13.5-14.5	4/22/2009	2.69	170.15	--
				6/27/2011	9.14	163.70	--
				10/30/2012	10.62	162.22	--
				1/31/2013	8.07	164.77	--
				10/1/2013	6.08	166.76	--
				1/15/2014	1.59	171.25	--
				4/28/2014	1.13	171.71	--
				7/29/2014	6.19	166.65	--
				11/3/2014	5.65	167.19	--
PZ-2B[1]	NS	172.81	5.5-6.5	4/22/2009	4.75	168.06	--
				6/27/2011	DRY	DRY	--
				10/1/2013	2.55	170.26	--
				1/15/2014	0.60	172.21	--
				4/28/2014	0.48	172.33	--
				7/29/2014	1.98	170.83	--
				11/3/2014	0.10	172.71	--
PZ-3[1]	NS	170.01	7.5-8.5	4/22/2009	0.64	169.37	--
				6/27/2011	1.0	169.01	--
				10/1/2013	4.40	165.61	--
				1/15/2014	Above TOC	>170.01	--
				4/28/2014	0.05	169.96	--
				7/29/2014	2.82	167.19	--
				11/3/2014	0.80	169.21	--

Notes:
ft amsl = feet mean sea level (NAVD 1988)
ft bgs = feet below ground surface
ft btoc = feet below top of casing
-- = Not calculated
NS = Not surveyed
1. Piezometer elevations were measured from nearby monitoring wells and are approximate.

TABLE 2
SUMMARY OF FIELD PARAMETERS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	pH (SU)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	DO (mg/L)
Phase 1 Injection Shallow Monitoring Wells								
MW-2	6/18/2008	--	5.6	177	23.4	32	46	NM
	4/7/2012	--	6.4	139	16.5	31	NM	NM
	7/28/2010	--	6.0	94	29.2	7	61	0.3
	10/2/2013	--	5.4	76	20.0	33	42	0.2
	10/31/2013	INJECTION						
	1/16/2014	77	5.3	886	11.5	33	-479	0.2
	4/28/2014	179	5.7	1,276	18.5	12	-42	0.2
	7/29/2014	271	5.7	1,238	23.7	358	-106	0.0
	11/4/2014	369	6.1	1,129	18.9	357	-88	0.2
MW-16	10/2/2013	--	4.5	1,262	17.7	8	117	0.2
	10/31/2013	INJECTION						
	1/16/2014	77	5.8	723	13.0	5	-81	0.3
	4/28/2014	179	6.0	1,019	16.7	5	-21	0.3
	7/29/2014	271	5.6	1,182	19.8	3	-102	0.1
	11/4/2014	369	5.8	1,226	18.8	2	-123	0.3
Phase 2 Injection Shallow Monitoring Wells								
MW-3	6/18/2008	--	3.6	1,287	19.5	11	205	NM
	7/29/2010	--	3.2	4,506	20.8	4	192	0.9
	10/2/2013	--	3.5	4,146	21.6	6	285	0.2
	2/14/2014	INJECTION						
	7/30/2014	301	4.0	2,589	21.5	5.1	221.8	0.3
	11/4/2014	263	4.1	3,227	20.1	6.3	-156.2	0.3
MW-4	6/18/2008	--	3.9	1,201	19.4	20	168	NM
	7/28/2010	--	3.5	2,881	19.2	19	214	0.7
	10/30/2012	--	3.5	3,420	18.6	2	413	3.0
	1/31/2013	--	3.6	4,297	16.7	5	401	0.6
	10/2/2013	--	3.2	4,246	19.7	4	202	0.5
	1/15/2014	--	3.5	4,536	16.3	41	405	0.7
	2/14/2014	INJECTION						
	4/28/2014	73	4.3	4,026	15.3	8	186	0.5
	7/29/2014	165	3.4	3,929	19.3	7	444	0.5
	11/4/2014	263	3.7	4,040	18.1	4	401	0.6
MW-8	7/28/2010	--	5.6	160	20.7	20	121	0.3
	10/30/2012	--	3.9	416	17.7	14	305	2.0
	1/31/2013	--	4.0	1,418	15.6	12	352	0.6
	10/2/2013	--	4.2	1,170	19.8	7	122	0.2
	1/15/2014	--	4.2	1,316	16.2	50	366	0.5
	2/14/2014	INJECTION						
	4/29/2014	74	5.6	613	16.0	658	-58	0.2
	7/30/2014	166	5.5	751	19.7	4	-80	0.2
	11/3/2014	262	5.5	788	17.8	7	-50	0.2
MW-18	10/2/2013	--	3.3	3,323	19.9	5	201	0.9
	1/15/2014	--	3.6	4,085	14.9	7	398	0.9
	2/14/2014	INJECTION						
	4/28/2014	73	4.1	3,846	15.9	67	215	0.5
	7/29/2014	165	3.5	3,812	18.7	9	416	0.7
	11/4/2014	263	3.6	8	17.6	8	347	13.4
Compliance Shallow Monitoring Wells								
MW-1	6/18/2008	--	5.0	126	19.3	44	81	NM
	7/29/2010	--	3.8	39	21.3	8	79	1.0
	10/2/2013	--	5.0	80	19.6	0.5	200	0.2
	11/5/2014	--	5.0	69	18.8	4	226	0.4

TABLE 2
SUMMARY OF FIELD PARAMETERS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	pH (SU)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	DO (mg/L)
MW-5	6/18/2008	--	6.5	231	19.2	11	165	NM
	7/29/2010	--	10.3	254	21.1	171	29	2.8
	10/2/2013	--	12.2	3,107	20.6	33	-55	2.5
	11/5/2014	--	6.4	2,877	19.2	340	180	1.3
MW-6	7/28/2010	--	6.1	123	21.9	107	79	0.2
MW-7	7/28/2010	--	6.1	179	20.5	27	46	0.4
	1/16/2014	--	5.1	234	12.4	2	67	2.1
	4/29/2014	--	5.1	337	15.0	9	127	0.9
	7/29/2014	--	4.6	198	18.2	7	16	0.2
	11/3/2014	--	5.1	216	16.6	6	193	0.5
MW-9	7/28/2010	--	5.0	72	22.5	84	10	0.5
	10/1/2013	--	4.8	61	20.0	62	28	0.2
	1/15/2014	--	5.4	98	16.3	194	-21	0.6
	4/29/2014	--	5.8	136	17.1	8	-1	0.3
	7/30/2014	--	5.5	92	23.1	20	106	0.2
	11/3/2014	--	5.4	115	17.9	8	-27	0.2
MW-11	7/29/2010	--	6.4	278	23.1	84	40	0.2
	10/2/2013	--	6.1	141	23.3	29	42	0.2
	11/4/2014	--	6.0	108	19.5	9	-70	0.2
MW-13	6/27/2011	--	6.0	132	20.1	88	-94	0.4
	10/1/2013	--	4.5	61	17.9	15	57	1.0
	11/5/2014	--	5.3	68	17.8	66	180	0.6
MW-17	10/2/2013	--	4.4	1,256	21.0	9	269	0.7
	11/4/2014	--	6.5	1,429	18.9	24	-160	0.2
MW-19	10/2/2013	--	3.6	4,270	19.9	9	315	0.4
	1/15/2017	--	3.6	4,286	14.9	26	138	0.5
	4/28/2014	--	4.0	1,108	17.5	31	193	0.4
	7/29/2014	--	3.6	3,036	21.8	10	285	0.2
	11/4/2014	--	4.2	2,498	18.5	11	-48	0.2
MW-20	10/1/2013	--	4.0	1,853	23.0	4	220	0.3
	1/16/2014	--	4.1	1,633	14.9	7	391	0.4
	4/29/2014	--	5.4	1,102	16.7	20	-32	0.3
	7/30/2014	--	4.3	1,534	21.9	9	185	0.4
	11/3/2014	--	5.3	1,194	20.3	27	-164	0.2
Compliance Deep Monitoring Wells								
MW-14	6/27/2011	--	6.5	238	23.2	240	71	0.5
	10/1/2013	--	9.5	403	22.4	9	-7	0.1
	11/3/2014	--	10.2	699	18.9	34	42	0.3
MW-15	6/27/2011	--	11.0	622	22.7	12	-68	0.2
	10/2/2013	--	7.3	259	23.4	16	-121	0.3
	11/4/2014	--	7.1	253	18.7	7	-132	0.2

Notes:
SU = Standard Units
µS/cm = MicroSiemens per centimeter
°C = Degrees Celsius
NTU = Nephelometric Turbidity Units
mV = Millivolts
mg/L = milligrams per liter
NM = not measured

TABLE 3
SUMMARY OF FIELD PARAMETERS IN INJECTION WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Screened Interval (ft bgs)	Date Sampled	Days Post Injection	pH (SU)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)	DO (mg/L)
Phase 1 Injection Wells									
IW-2A	10 - 20	10/31/2013	INJECTION						
		11/7/2014	372	6.5	1,904	18.6	70	-103	0.3
IW-42B	23 - 30	10/31/2013	INJECTION						
		11/7/2014	372	5.9	995	19.5	11.2	-77.9	0.3
Phase 2 Injection Wells									
IW-60A	10 - 20	2/14/2014	INJECTION						
		11/7/2014	266	8.6	2,113	19.5	15	-390	0.6
IW-40B	23 - 30	2/14/2014	INJECTION						
		11/7/2014	266	9.5	2,289	19.0	12	-441	0.2

Notes:
SU = Standard Units
µS/cm = MicroSiemens per centimeter
°C = Degrees Celsius
NTU = Nephelometric Turbidity Units
mV = Millivolts
mg/L = milligrams per liter

TABLE 4
PHASE 1 INJECTION WELL pH AND ORP MEASUREMENTS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

IW ID	Start of Phase 1		End of Phase 1		30 Day		60 Day		90 Day		12 Month	
	Date:	10/22/13	Date:	10/31/13	Date:	11/26/13	Date:	12/30/13	Date:	2/7/14	Date:	11/5-6/14
	pH	ORP	pH	ORP	pH	ORP	pH	ORP	pH	ORP	pH	ORP
GROUP A ZONE A												
IW-5A	4.5	103	8.2	86	6.9	-149	7.4	-106	6.9	-10	6.2	-91
IW-11A	5.5	69	9.1	85	7.5	-160	7.0	-83	6.3	-49	6.4	-101
IW-14A	5.9	35	--	--	6.9	-157	7.9	-98	6.3	-35	6.3	-107
IW-27A	5.9	74	8.6	59	6.5	-59	8.3	-199	8.4	-44	6.0	-78
IW-30A	4.6	111	9.4	30	9.6	-142	8.9	-227	6.2	-55	6.6	-151
GROUP A ZONE B												
IW-5B	6.2	71	9.2	69	6.2	-127	8.1	-44	5.5	-82	6.7	-124
IW-11B	6.1	38	9.2	85	6.4	-112	7.3	-48	6.0	-66	6.5	-144
IW-14B	6.1	-270	--	--	7.0	-173	8.8	51	5.6	-323	6.5	-98
IW-27B	6.9	45	9.3	64	6.0	-110	7.0	-12	5.6	-11	5.8	-14
IW-30B	6.1	78	9.8	23	5.6	-87	5.6	10	5.1	-59	5.9	-30
GROUP B ZONE A												
IW-2A	6.1	96	7.9	113	7.4	-153	6.8	-58	6.1	166	6.4	-98
IW-9A	5.2	90	8.3	83	5.6	-119	6.3	-62	6.1	-64	6.2	-109
IW-18A	4.0	138	9.4	89	8.2	-108	7.5	-185	6.0	-2	6.6	-97
IW-25A	4.6	127	9.5	93	7.2	-169	6.9	-94	6.2	-93	6.3	-122
IW-42A*	5.0	102	9.5	62	7.8	-210	9.8	-133	8.0	37	6.3	-107
GROUP B ZONE B												
IW-2B	5.6	73	8.3	170	7.0	-121	8.1	-81	6.2	-65	6.1	-67
IW-9B	6.4	60	8.5	105	6.4	-136	6.7	-83	6.1	-89	6.9	-159
IW-18B	6.4	75	9.7	99	6.4	-119	8.9	-126	6.0	69	6.4	-142
IW-25B	6.2	75	9.2	114	6.3	-143	6.7	-59	6.1	-96	6.5	-112
IW-42B	12.0	21	9.3	103	6.3	-103	6.9	-46	5.8	-64	6.1	-107

Note:

-- Readings could not be collected.

* 90 day pH/ORP readings collected on 2/10/14.

TABLE 5
PHASE 2 INJECTION WELL pH AND ORP MEASUREMENTS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

IW ID	Start of Phase 1		End of Phase 1		30 Day		60 Day		90 Day		9 Month	
	Date:	1/20/14	Date:	2/10/14	Date:	3/5/14	Date:	4/8/14	Date:	5/7/14	Date:	11/5-6/14
	pH	ORP	pH	ORP	pH	ORP	pH	ORP	pH	ORP	pH	ORP
GROUP A ZONE A												
IW-24A	3.8	324	9.2	-377	8.6	-412	9.6	-431	9.6	-392	9.7	-357
IW-39A	3.5	352	--	--	8.1	-138	9.1	-239	9.2	-400	9.2	-364
IW-40A	3.4	356	--	--	8.8	-365	9.6	-225	9.6	-420	9.4	-434
IW-53A	4.1	338	--	--	8.6	-264	8.8	-336	7.8	-423	8.6	-444
IW-59A	3.4	359	--	--	8.2	-81	9.0	-214	8.2	-455	8.3	-440
GROUP A ZONE B												
IW-24B	6.1	250	8.9	-53	6.8	-402	6.5	-360	6.7	-287	7.6	-136
IW-39B	3.9	336	8.5	-130	6.3	-348	7.0	-230	8.3	-430	7.8	-376
IW-40B	5.6	281	--	--	5.9	-391	6.0	-210	6.0	-293	7.3	-257
IW-53B	4.7	323	--	--	7.3	-206	6.3	-287	6.5	-363	6.7	-134
IW-59B	3.5	362	--	--	5.6	-234	5.3	-308	5.3	-320	6.1	-257
GROUP B ZONE A												
IW-19A	3.9	330	8.3	120	6.4	-339	7.1	-235	7.9	-185	8.3	-350
IW-36A	3.8	332	9.4	-47	7.5	-409	9.2	-345	9.1	-355	7.5	-201
IW-47A	3.4	364	--	--	8.6	-355	9.6	-312	9.3	-430	8.3	-392
IW-52A	3.7	358	--	--	8.6	-140	9.2	-335	9.3	-376	8.7	-448
IW-60A	3.3	360	--	--	8.3	-335	9.1	-299	8.1	-435	8.1	-354
GROUP B ZONE B												
IW-19B	5.2	279	8.6	-45	7.0	-194	6.0	-213	6.1	-190	6.7	-111
IW-36B	5.9	262	8.1	-230	5.5	-345	5.7	-219	6.2	-200	7.6	-211
IW-47B	3.6	359	--	--	8.0	-283	7.9	-240	7.4	-375	7.1	-258
IW-52B	4.4	331	--	--	8.2	-130	6.4	-240	6.9	-425	6.9	-110
IW-60B	3.6	355	--	--	7.4	-177	6.2	-308	5.5	-330	6.5	-190

Note:

-- Readings could not be collected because water was at the top of casing.

TABLE 6
SUMMARY OF NATURAL ATTENUATION PARAMETERS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION FACILITY
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Well ID	Date	Days Post Injection	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate-N (mg/L)	Fe2+ (mg/L)	Iron (mg/L)	Magnesium (mg/L)	TOC (mg/L)	Alkalinity (mg/L)
NC 2L Standard			**NE**	**NE**	**NE**	**250**	**NE**	**10**	**NE**	**0.3**	**NE**	**NE**	**NE**
Phase 1 Injection Shallow Monitoring Wells													
MW-2	10/2/2013	--	**0.818 J**	<0.087	**0.525 J**	**2.7**	NA	**0.66**	**0.44**	**1.3**	**0.80**	**0.33 J**	**21**
	10/31/2013	INJECTION											
	1/16/2014	77	**7.26**	**1.88**	**0.535 J**	<0.13	NA	<0.016	**100**	**91**	**18**	**261**	**350**
	4/28/2014	179	**1,110**	**2.27**	**0.795 J**	<0.13	<0.45	**0.17**	**220**	**220**	**22**	**731**	**450**
	7/29/2014	271	**400**	<0.14	<0.15	**0.316 J**	<0.450	**0.0251 J**	**232**	**228**	**24.4**	**675**	**717**
	11/4/2014	369	**700**	<0.14	**0.82 J**	**3.12**	<0.450	**0.0090 J**	**221**	**167**	**23.7**	**599**	**633**
MW-16	10/2/2013	--	**7.6**	**0.113 J**	**0.235 J**	**610**	NA	**7.9**	<0.020	**0.24**	**33**	**4.2**	<0.59
	10/31/2013	INJECTION											
	1/16/2014	77	**1.97 J**	**0.269 J**	**0.241 J**	**2.50**	NA	<0.016	**64**	**62**	**13**	**244**	**240**
	4/28/2014	179	**12.4**	**0.212 J**	**0.493 J**	**1.6**	<0.45	**0.27**	**110**	**120**	**20**	**289**	**460**
	7/29/2014	271	**190**	<0.14	<0.15	**0.307 J**	<0.450	**0.0264 J**	**182**	**174**	**24.1**	**393**	**588**
	11/4/2014	369	**390**	<0.14	<0.15	**3.84**	<0.450	**0.0113 J**	**188**	**143**	**28.3**	**365**	**587**
Phase 2 Injection Shallow Monitoring Wells													
MW-3	10/2/2013	--	**27.9**	<0.087	<0.071	**3,100**	NA	**38**	<0.020	**0.33**	**67**	**7.7**	<0.59
	2/14/2014	INJECTION											
	7/30/2014	166	**3.3**	<0.14	<0.15	**1,870**	<0.450	**1.03**	**17.1**	**16.6**	**121**	**75.9**	<0.926
	11/4/2014	263	**6.5**	<0.14	<0.15	**2,090**	**14.8**	**0.693**	**51.7**	**47.2**	**102**	**40.1**	<0.926
MW-4	10/2/2013	--	**7.78**	<0.087	<0.071	**3,600**	NA	**30**	<0.020	**0.12**	**93**	**14.5**	<0.59
	2/14/2014	INJECTION											
	4/28/2014	73	**7.08**	<0.087	<0.071	**3,300**	<0.45	**9.1**	<0.039	**0.21**	**95**	**47.4**	<0.77
	7/29/2014	165	**3.6**	<0.14	<0.15	**2,890**	<0.450	**16.9**	**0.150 J**	<0.0694	**88.1**	**22.9**	<0.926
	11/4/2014	263	**3.4**	<0.14	<0.15	**3,240**	<0.450	**18.0**	**0.140 J**	**0.150 J**	**91.3**	**11.9**	<0.926
MW-8	10/2/2013	--	**5.54**	<0.087	<0.071	**600**	NA	**3.0**	**0.59**	**0.81**	**28**	**3.5**	<0.59
	2/14/2014	INJECTION											
	4/29/2014	74	**5.54**	**0.553 J**	**0.715 J**	<0.13	**2.7**	<0.046 A	**68**	**76**	**10**	**275**	**190**
	7/30/2014	166	**71**	<0.14	<0.15	**0.505 J**	<0.450	<0.0175	**121**	**112**	**12.9**	**301**	**404**
	11/3/2014	262	**690**	<0.14	<0.15	**0.369 J**	**0.600 J**	**0.0170 J**	**131**	**112**	**14.8**	**329**	**421**
MW-18	10/2/2013	--	**20.3**	**2.38**	**10.1**	**2,500**	NA	**17**	**2.0**	**3.5**	**80**	**36**	<0.59
	2/14/2014	INJECTION											
	4/28/2014	73	**6.59**	**0.168 J**	**0.431 J**	**3,200**	<0.45	**24 Aa, DH**	**0.20**	**0.76**	**85**	**40.3**	<0.77
	7/29/2014	165	**4.1**	<0.14	<0.15	**2,560**	<0.450	**12.3**	**0.200 J**	<0.0694	**79.1**	**11.5**	<0.926
	11/4/2014	263	**1.6**	<0.14	<0.15	**1,620**	<0.450	**4.78**	**0.110 J**	**0.321**	**68.7**	**10.2**	<0.926
Compliance Shallow Monitoring Wells													
MW-1	10/2/2013	--	**33.4**	<0.087	<0.071	<0.13	NA	**0.28**	<0.020	<0.026	**0.66**	**2**	**5.4**
	11/5/2014	--	**9.0**	<0.14	<0.15	**0.388 J**	<0.450	**0.352**	<0.0266	<0.058	<1.150	**0.443 J**	**9.76 J**
MW-5	10/2/2013	--	**4.69 J**	<0.087	<0.071	**2,800**	NA	**29**	<0.020	**0.12**	**83**	**7.7**	<0.59
	11/5/2014	--	**5.3**	<0.14	<0.15	**2,480**	<0.450	**21.9**	**0.120 J**	**0.614**	**90.7**	**6.12**	<0.926
MW-7	1/16/2014	--	<0.435	<0.087	<0.071	**63**	NA	**2.4**	<0.039	**0.063**	**3.5**	**0.70 J**	**6**
	4/29/2014	--	<0.435	<0.087	<0.071	**70**	<0.45	**2.7 A**	<0.039	**0.41**	**3.7**	**1.6**	**7.0**
	7/29/2014	--	<0.048	<0.14	<0.15	**56.5**	<0.450	**1.08**	**0.0400 J**	**0.142**	**0.268**	**0.273 J**	**8.25 J**
	11/3/2014	--	**0.54 JB**	<0.14	<0.15	**63.1**	<0.450	**1.63**	<0.0266	**0.0803 J**	**3.25 J**	**0.403 J**	**8.98 J**
MW-9	10/1/2013	--	**0.948 J**	<0.087	<0.071	**1.6**	NA	**<0.016**	**2.0**	**3.7**	**0.60**	**1.1**	**11**
	4/29/2014	--	<0.435	<0.087	<0.071	**33.0**	<0.45	**0.79 A**	<0.039	**0.35**	**1.0**	**0.75 J**	**12**
	7/30/2014	--	**0.57**	<0.14	<0.15	**14.3**	<0.450	<0.0175	**0.270 J**	**1.02**	<1.64	<0.224	**14.8**
	11/3/2014	--	**0.41 JB**	<0.14	<0.15	**24.7**	<0.450	**0.133**	**0.200 J**	**0.504**	<1.150	**0.277 J**	**12.1**
MW-11	10/2/2013	--	**1.2 J**	<0.087	<0.071	**14**	NA	<0.016	**1.6**	**3.1**	**2.2**	**1.20**	**50**
	11/4/2014	--	**0.64**	<0.14	<0.15	**4.41**	<0.450	**0.00670 J**	**2.38**	**2.8**	**1.970 J**	**0.396 J**	**41.3**
MW-13	10/1/2013	--	**8.92**	<0.087	<0.071	**4.5**	NA	**0.52**	<0.020	**0.46**	**0.61**	**1**	**22**
	11/5/2014	--	**0.54 J**	<0.14	<0.15	**3.34**	<0.450	**0.510**	**0.0600 J**	**2.31**	<1.150	**0.645 J**	**12.5**
MW-14	10/1/2013	--	**6.98**	<0.087	**1.15**	**14**	NA	**0.11**	<0.020	**2.4**	**1.9**	**1.9**	**170**
	11/3/2014	--	**1.5 B**	<0.14	<0.15	**11.1**	<0.450	**0.00600 J**	**0.420**	**1.29**	<1.150	**2.33**	**241**
MW-15	10/2/2013	--	**16.2**	**0.373 J**	**0.852 J**	**5.8**	NA	**0.12**	<0.020	**1.2**	**2.4**	<0.3	**140**
	11/4/2014	--	**9.8**	<0.14	<0.15	**3.20**	<0.450	**0.0341 J**	**1.54**	**1.65**	**2.88 J**	**0.569 J**	**124**
MW-17	10/2/2013	--	**10.7**	**0.166 J**	<0.071	**680**	NA	**8.7**	<0.020	**0.14**	**37**	**3.2**	<0.59
	11/4/2014	--	**14**	<0.14	<0.15	**5.22**	<0.450	**0.0607**	**262**	**188**	**29.4**	**290**	**558**

TABLE 6
SUMMARY OF NATURAL ATTENUATION PARAMETERS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION FACILITY
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Well ID	Date	Days Post Injection	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Nitrate-N (mg/L)	Fe2+ (mg/L)	Iron (mg/L)	Magnesium (mg/L)	TOC (mg/L)	Alkalinity (mg/L)
MW-19	10/2/2013	--	**29.1**	<0.087	**0.361 J**	**3,300**	NA	**39**	<0.020	**0.55**	**70**	**7.7**	<0.59
	4/28/2014	--	**2.60**	<0.087	<0.071	**710**	<0.45	**15 Aa, DH**	<0.039	**0.33**	**22**	**11.0**	<0.77
	7/29/2014	--	**3.2**	<0.14	<0.15	**2760**	<1	**1.61**	**20.1**	**23.3**	**96.5**	**129**	<0.926
	11/4/2014	--	**2.5**	**0.28 J**	<0.15	**1820**	**7.20**	**0.139**	**61.7**	**45.9**	**53.6**	**35.2**	<0.926
MW-20	10/1/2013	--	**10.5**	<0.087	<0.071	**1,000**	NA	**10**	<0.020	**0.19**	**43**	**4.3**	<0.59
	1/16/2014	--	**11.3**	<0.087	<0.071	**870**	NA	**8.7**	<0.039	**0.25**	**40**	**5.9**	<0.77
	4/29/2014	--	**6.83**	<0.087	<0.071	**570**	**3.2**	<0.10 A	**3.4**	**0.97**	**6.2**	**30.4**	<0.77
	7/30/2014	--	**6.1**	<0.14	<0.15	**785**	<0.450	**1.94**	**7.54**	**7.71**	**37.6**	**5.41**	<0.926
	11/3/2014	--	**5.7 B**	<0.14	<0.15	**445**	**8.6**	**0.0671**	**34.8**	**33.9**	**25.2**	**51.3**	**104**

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NE = Not established
Bolded values indicate concentration greater than the laboratory reporting limit.
J = Indicates the result is between the MDL and RDL
Shaded cells are concentrations in excess of the NC 2L Standard.
Aa = Recovery for final CCV (112%) is outside the control limits
DH = Dilution for this sample/analyte was analyzed outside methods recommended hold time
B = Analyte found in the associated blank; indicates probable blank contamination.

TABLE 7
SUMMARY OF NATURAL ATTENUATION PARAMETERS IN INJECTION WELLS
FORMER EATON CORPORATION FACILITY
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Well ID	Screened Interval (ft bgs)	Date	Days Post Injection	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Sulfide (mg/L)
NC 2L Standard				**NE**	**NE**	**NE**	**NE**
Phase 1 Injection Wells							
IW-2A	10 - 20	10/31/2013	INJECTION				
		11/7/2014	372	**1,000**	<0.14	<0.15	<0.450
IW-42B	23 - 30	10/31/2013	INJECTION				
		11/7/2014	372	**1,400**	<0.14	**55**	<0.450
Phase 2 Injection Wells							
IW-60A	10 - 20	2/14/2014	INJECTION				
		11/7/2014	266	**560**	**1.7**	**1.9**	**2.60**
IW-40B	23 - 30	2/14/2014	INJECTION				
		11/7/2014	266	**800**	**5.0**	**68**	<0.450

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NE = Not established
Bolded values indicate concentration greater than the laboratory reporting limit.

TABLE 8
SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	VOCs by EPA Method 8260 (µg/L)												
			PCE	TCE	*c* DCE	VC	1,1,1-TCA	1,1-DCE	1,1-DCA	Carbon tetrachloride	1,1,2-TCA	1,2-DCA	Benzene	1,2-Dichlorobenzene	Dibromochloromethane
COC Category			P	P	DP	DP	S	P	S	S	S	S	S	S	S
NC 2L Standard			0.7	3	70	0.03	200	350	6	0.3	NE	0.4	1	20	0.4
Phase 1 Injection Shallow Monitoring Wells															
MW-2	6/18/2008	--	8,820	1,080	4.4	<0.62	6.5	1,780	7.0	6.6	1.8	<0.12	1.2	102	<0.21
	4/7/2009	--	7,140	879	100	<6.2	<4.8	910	<3.2	<2.5	<2.9	<1.2	<2.5	<3.0	<2.1
	7/28/2010	--	5,150	624	<320	<320	<320	838	<320	<320	<320	<320	<320	<320	<320
	10/2/2013	--	6,300	570	<7.6	<16	<6.3	700	<9.6	<12	<17	<14	<7.2	<7.6	<30
	10/31/2013	INJECTION													
	1/16/2014	77	37	36	1,900	<3.1	<1.3	240	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	4/28/2014	179	29	25	1,900	43	<1.3	280	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	7/29/2014	271	43	44	2,400	53	<0.020	310	1.5	<0.030	0.22 J	0.42 J	0.14 J	0.49 J	<0.040
	11/4/2014	369	9.1 J	14 J	2,700	58	<2.0	390	<2.0	<3.0	<4.0	<3.0	<3.0	<3.0	<4.0
MW-16	10/2/2013	--	3,300	310	<3.8	<7.8	92	690	<4.8	<5.9	<8.3	<7.0	<3.6	<3.8	<15
	10/31/2013	INJECTION													
	1/16/2014	77	<6.9	18,000	680	<16	<6.3	830	<9.6	<12	<17	<14	<7.2	<7.6	<30
	4/28/2014	179	<3.4	740	9,400	<7.8	<3.1	780	28	<5.9	<8.3	<7.0	<3.6	<3.8	<15
	7/29/2014	271	1.9	51 J	9,100	120 J	15	730	23	<0.030	1.1	0.55	<0.030	0.64	<0.40
	11/4/2014	369	7.0 J	13 J	2,900	35 J	9.4 J	560	29	<3.0	<4.0	<3.0	<3.0	<3.0	<4.0
Phase 2 Injection Shallow Monitoring Wells															
MW-3	6/18/2008	--	573	2.8	<0.19	<0.62	3.1	13.9	<0.32	<0.25	< 0.29	<0.12	<0.25	<0.30	<0.21
	7/29/2010	--	1,630	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0	<80.0
	10/2/2013	--	1,800	<0.27	<0.38	<0.78	18	24	<0.48	<0.59	<0.83	<0.70	3.5	<0.38	<1.5
	2/14/2014	INJECTION													
	7/30/2014	166	900	1.2	0.78	<0.070	4.3	17	0.97	0.053 J	<0.040	0.19 J	1.2	<0.030	<0.040
	11/4/2014	263	770	<0.75	<0.75	<1.8	1.6 J	<1.0	<0.50	<0.75	<1.0	<0.75	<0.75	<0.75	<1.0
MW-4	6/18/2008	--	2,320	1,030	1.0	<0.62	47.6	553	6.3	<0.25	1.1	<0.12	<0.25	<0.30	<0.21
	7/28/2010	--	18,200	3,460	<1,250	<1,250	6,560	3,230	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250
	10/30/2012	--	25,800	3,380	<4.48	<9.65	8,940	3,140	7.00 J	<4.23	<5.40	<3.48	<3.90	15.0 J	<12.8
	1/31/2013	--	37,000	4,200	<38	<78	14,000	4,500	<48	<59	<83	<70	<36	<38	<150
	10/2/2013	--	30,000	4,800	<7.6	<16	7,600	3,600	<9.6	<12	<17	<14	<7.2	<7.6	<30
	1/15/2014	--	22,000	5,200	<3.8	<7.8	7,700	4,000	<4.8	<5.9	<8.3	<7.0	<3.6	<3.8	<15
	2/14/2014	INJECTION													
	4/28/2014	73	29,000	5,300	<3.8	<7.8	5,600	3,700	<4.8	<5.9	<8.3	<7.0	<3.6	<3.8	<15
	7/29/2014	165	19,000	5,300	6.4	0.19 J	6,400	4,000	10	12	7.1	<0.030	0.92	8.9	<0.040
	11/4/2014	263	26,000	4,800	<21	<50	8,800	5,100	<14	<21	<29	<21	<21	<21	<29

TABLE 8
SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	VOCs by EPA Method 8260 (µg/L)												
			PCE	TCE	*c* DCE	VC	1,1,1-TCA	1,1-DCE	1,1-DCA	Carbon tetrachloride	1,1,2-TCA	1,2-DCA	Benzene	1,2-Dichlorobenzene	Dibromochloromethane
COC Category			**P**	**P**	**DP**	**DP**	**S**	**P**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
NC 2L Standard			**0.7**	**3**	**70**	**0.03**	**200**	**350**	**6**	**0.3**	**NE**	**0.4**	**1**	**20**	**0.4**
MW-8	7/28/2010	--	**974**	<50.0	<50.0	<50.0	**102**	**132**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	10/30/2012	--	**874**	**58.2**	**1.72**	<0.386	**45.9**	**128**	**5.15**	<0.169	<0.216	<0.139	<0.156	**0.430 J**	<0.173
	1/31/2013	--	**2,100**	**150**	<1.5	<3.1	**200**	**400**	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	10/2/2013	--	**2,200**	**120**	<0.38	<0.78	**120**	**260**	**3.6**	<0.59	<0.83	<0.70	<0.36	<0.38	<1.5
	1/15/2014	--	**1,900**	**130**	**2.6**	<0.78	**130**	**340**	**3.0**	**4.0**	<0.83	<0.70	<0.36	<0.38	<1.5
	2/14/2014	INJECTION													
	4/29/2014	74	**65**	**13**	**5.8**	<0.78	**3.4**	**60**	**8.6**	<0.59	<0.83	<0.70	<0.36	<0.38	<1.5
	7/30/2014	166	**40**	**16**	**210**	**3.2**	**4.3**	**95**	**10**	<0.030	<0.040	**0.073 J**	<0.030	**0.059 J**	<0.040
	11/3/2014	262	**38**	**11**	**360**	**6.7**	**4.7 J**	**120**	**14**	<0.30	<0.40	<0.30	<0.30	<0.30	<0.40
MW-18	10/2/2013	--	**110,000**	**22,000**	**380**	<31	**37,000**	**17,000**	**300**	<24	<33	<28	<14	<15	<60
	1/15/2014	--	**50,000**	**6,000**	<15	<31	**21,000**	**7,400**	<19	<24	<33	<28	<14	<15	<60
	2/14/2014	INJECTION													
	4/28/2014	73	**66,000**	**14,000**	<15	<31	**20,000**	**14,000**	**110**	<24	<33	<28	<14	<15	<60
	7/29/2014	165	**62,000 B**	**10,000**	**19**	**1.2**	**20,000**	**10,000**	**53 E**	**29**	**28**	**0.92**	**1.0**	**27**	<0.40
	11/4/2014	263	**88,000**	**20,000**	<94	<220	**28,000**	**23,000**	<63	<94	<130	<94	<94	<94	<94
Compliance Shallow Monitoring Wells															
MW-1	6/18/2008	--	**1.2**	<0.47	<0.19	<0.62	<0.48	<0.56	<0.32	<0.25	<0.29	<0.12	**2.8**	<0.30	<0.21
	7/29/2010	--	**2.15**	<1.00	**7.02**	<1.00	<1.00	<1.00	**4.58**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	10/2/2013	--	**3,500**	**200**	**120**	<16	<6.3	**400**	<9.6	<12	<17	<14	<7.2	<7.6	<30
	11/5/2014	--	**3,700**	**190**	**81**	<8.8	**47 J**	**510**	**17 J**	<3.8	<5.0	<3.8	<3.8	<3.8	<5.0
MW-5	6/18/2008	--	<0.46	< 0.47	<0.19	<0.62	< 0.48	<0.56	<0.32	<0.25	< 0.29	<0.12	<0.25	<0.30	<0.21
	7/29/2010	--	**1.53**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	10/2/2013	--	**210**	<0.054	<0.076	<0.16	**1.2**	**4.0**	<0.096	<0.12	<0.17	<0.14	**2.4**	<0.076	<0.30
	11/5/2014	--	**210**	**0.43 J**	**0.49 J**	<0.44	**0.86 J**	**5.8**	<0.13	<0.19	<0.25	<0.19	**2.1 J**	<0.19	<0.25
MW-6	7/28/2010	--	**244**	**14.2**	<10.0	<10.0	<10.0	**24.7**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
MW-7	7/28/2010	--	**273**	**29.6**	<16.0	<16.0	<16.0	**52.3**	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
	1/16/2014	--	**1,600**	**140**	<7.6	<16	**120**	**390**	<9.6	<12	<17	<14	<7.2	<7.6	<30
	4/29/2014	--	**1,500**	**130**	<1.5	<3.1	**110**	**370**	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	7/29/2014	--	**2,100**	**250**	**5.3**	**0.19 J**	**180**	**720**	**3.7**	**0.79**	<0.040	**0.18 J**	<0.030	**0.25 J**	<0.040
	11/3/2014	--	**1,300**	**120**	**5.1 J**	<2.5	**83**	**380**	**3.8**	<1.1	<1.4	<1.1	<1.1	<1.1	<1.4
MW-9	7/28/2010	--	**3.62**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	10/1/2013	--	**14**	**0.55**	<0.076	<0.16	<0.063	**1.3**	<0.096	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30
	1/15/2014	--	**140**	**3.4**	<0.076	<0.16	**1.6**	**11**	<0.096	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30
	4/29/2014	--	**220**	**5.5**	<0.076	<0.16	**2.9**	**17**	**0.68**	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30
	7/30/2014	--	**120**	**3.0**	**0.26 J**	<0.070	**0.60**	**5.7**	**0.50**	<0.030	<0.040	<0.030	<0.030	<0.030	<0.040
	11/3/2014	--	**210**	**3.8**	<0.19	<0.44	**1.4 J**	**10**	**0.51 J**	<0.19	<0.25	<0.19	<0.19	<0.19	<0.25
MW-11	7/29/2010	--	**2.01**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	10/2/2013	--	<0.069	<0.054	<0.076	<0.16	<0.063	<0.078	<0.096	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30

TABLE 8
SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN PERMANENT MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	VOCs by EPA Method 8260 (µg/L)												
			PCE	TCE	*c* DCE	VC	1,1,1-TCA	1,1-DCE	1,1-DCA	Carbon tetrachloride	1,1,2-TCA	1,2-DCA	Benzene	1,2-Dichlorobenzene	Dibromochloromethane
COC Category			**P**	**P**	**DP**	**DP**	**S**	**P**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
NC 2L Standard			**0.7**	**3**	**70**	**0.03**	**200**	**350**	**6**	**0.3**	**NE**	**0.4**	**1**	**20**	**0.4**
	11/4/2014	--	**0.33 J**	<0.030	<0.030	<0.070	<0.020	<0.040	<0.020	<0.030	<0.040	<0.030	<0.030	<0.030	<0.040
MW-13	6/27/2011	--	**6.20**	**1.60**	<0.136	<0.124	**0.170 J**	**2.88**	<0.165	<0.101	<0.126	<0.167	<0.113	<0.137	<0.134
	10/1/2013	--	**48**	**18**	<0.076	<0.16	**1.2**	**33**	<0.096	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30
	11/5/2014	--	**56**	**25**	**0.30 J**	<0.11	**1.4**	**48**	**0.38 J**	**0.12 J**	<0.062	<0.047	<0.047	<0.047	<0.062
MW-17	10/2/2013	--	**2,100**	**350**	**32**	<7.8	**250**	**370**	<4.8	<5.9	<8.3	<7.0	<3.6	<3.8	<15
	11/4/2014	--	**55**	**40 J**	**2,900**	**15 J**	**25 J**	**410**	**35 J**	<2.5	<3.3	<2.5	<2.5	<2.5	<3.3
MW-19	10/2/2013	--	**100**	<0.054	<0.076	<0.16	**0.73**	**3.6**	<0.096	<0.12	<0.17	<0.14	**3.7**	<0.076	<0.30
	1/15/2014	--	**800**	<0.054	**0.61**	<0.16	**11**	**15**	**0.72**	<0.12	<0.17	<0.14	**4.5**	<0.076	<0.30
	4/28/2014	--	**130**	**0.75**	<0.076	<0.16	<0.063	**14**	**1.1**	<0.12	<0.17	<0.14	**0.98**	<0.076	<0.30
	7/29/2014	--	**55**	**0.26 J**	**1.2**	<0.070	**0.12 J**	**3.8**	**0.34 J**	**0.045 J**	<0.040	**0.17 J**	**0.44 J**	<0.030	<0.040
	11/4/2014	--	**100**	**5.5**	**0.24 J**	<0.29	**13**	**12**	**0.76 J**	<0.13	<0.17	<0.13	**1.2 J**	<0.13	<0.17
MW-20	10/1/2013	--	**1,400**	**76**	<1.5	<3.1	**160**	**160**	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	1/16/2014	--	**1,200**	**56**	<1.5	<3.1	**57**	**150**	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	4/29/2014	--	**1,300**	**78**	<1.5	<3.1	**55**	**200**	<1.9	<2.4	<3.3	<2.8	<1.4	<1.5	<6.0
	7/30/2014	--	**1,300**	**65**	**2.1**	<0.070	**60**	**170**	**2.4**	**0.75**	<0.040	**0.10 J**	**0.035 J**	**0.48 J**	<0.040
	11/3/2014	--	**1,100**	**64**	**1.5 J**	<2.5	**28**	**120**	**12 J**	<1.1	<1.4	<1.1	<1.1	<1.1	<1.4
Compliance Deep Monitoring Wells															
MW-14	6/27/2011	--	**0.230 J**	<0.125	<0.136	<0.124	<0.123	<0.212	<0.165	<0.101	<0.126	<0.167	<0.113	<0.137	**0.640 J**
	10/1/2013	--	<0.069	<0.054	<0.076	<0.16	<0.063	<0.078	<0.096	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30
	11/3/2014	--	**0.11 J**	<0.030	<0.030	<0.070	<0.020	<0.040	<0.020	<0.030	<0.040	<0.030	<0.030	<0.030	<0.040
MW-15	6/27/2011	--	**0.440 J**	<0.125	<0.136	<0.124	<0.123	<0.212	<0.165	<0.101	<0.126	<0.167	<0.113	<0.137	<0.134
	10/2/2013	--	<0.069	<0.054	<0.076	<0.16	<0.063	<0.078	<0.096	<0.12	<0.17	<0.14	<0.072	<0.076	<0.30
	11/4/2014	--	**0.10 J**	<0.030	**0.078 J**	<0.070	<0.020	<0.040	<0.020	<0.030	<0.040	<0.030	<0.030	<0.030	<0.040

Notes:
µg/L = micrograms per liter
P = Primary contaminant of concern
DP = CVOC Degradation Daughter Product
S = Secondary contaminant of concern
NE = not established
Bolded values indicate concentration greater than the laboratory reporting limit.
Shaded cells are concentrations in excess of the NC 2L Standard or a detection if no NC 2L Standard is estbalished.
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
E = Compound exceeds the upper level of the calibration range of the instrument.

TABLE 9
SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN INJECTION WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Screened Interval (ft bgs)	Date Sampled	Days Post Injection	VOCs by EPA Method 8260 (µg/L)												
				PCE	TCE	*c* DCE	VC	1,1,1-TCA	1,1-DCE	1,1-DCA	Carbon tetrachloride	1,1,2-TCA	1,2-DCA	Benzene	1,2-Dichlorobenzene	Dibromochloromethane
COC Category				**P**	**P**	**DP**	**DP**	**S**	**P**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
NC 2L Standard				**0.7**	**3**	**70**	**0.03**	**200**	**350**	**6**	**0.3**	**NE**	**0.4**	**1**	**20**	**0.4**
Phase 1 Injection Wells																
IW-2A	10 - 20	10/31/2013	INJECTION													
		11/7/2014	372	**1.2 J**	**1.1 J**	**5.1**	**30**	<0.14	**2.9 J**	**1.3 J**	<0.21	<0.29	<0.21	<0.21	<0.21	<0.29
IW-42B	23- 30	10/31/2013	INJECTION													
		11/7/2014	372	**3.5 J**	**30**	**1,100**	**1,400**	**25**	**82**	**51**	<1.3	<1.7	<1.3	<1.3	<1.3	<1.7
Phase 2 Injection Wells																
IW-60A	10 - 20	2/14/2014	INJECTION													
		11/7/2014	266	**6.0**	**1.8**	**11**	**5.4**	<0.020	**7.7**	**3.8**	<0.030	<0.040	<0.030	**0.45 J**	<0.030	<0.40
IW-40B	23- 30	2/14/2014	INJECTION													
		11/7/2014	266	**28**	**30**	**660**	**93**	<0.40	**130**	**110**	<0.60	<0.80	<0.60	<0.60	<0.60	<0.80

Notes:
P = Primary contaminant of concern
DP = CVOC Degradation Daughter Product
S = Secondary contaminant of concern
NE = not established
Bolded values indicate concentration greater than the laboratory reporting limit.
Shaded cells are concentrations in excess of the NC 2L Standard or a detection if no NC 2L Standard is estbalished.
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

TABLE 10
SUMMARY OF MBT AND VFA DATA
FORMER EATON CORPORATION FACILITY
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Well ID	Sample Date	Days Post Injection	MBT by CENSUS (cells/mL)				VFA by Method AM23G (mg/L)										
			DHC	TCE Reductase	BVC Reductase	VC Reductase	Lactic Acid	Acetic Acid	Propionic Acid	Formic Acid	Butyric Acid	Pyruvic Acid	i-Pentanoic Acid	Pentanoic Acid	i-Hexanoic Acid	Hexanoic Acid	Total[1]
Phase 1 Injection Shallow Monitoring Wells																	
MW-2	10/2/2013	--	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**0.79**	**0.069 J**	**0.020 J**	**0.082 J**	**0.036 J**	**0.070 J**	<0.15	**0.075**	<0.10	<0.50	**1.14**
	10/31/2013	INJECTION															
	1/16/2014	77	NA	NA	NA	NA	**3.2 J**	**370**	**360**	**6.2**	**49**	**6.6**	**2.0**	**30**	<0.10	**3.2**	**830**
	4/28/2014	179	**2.00E-01 J**	<3.00E-01	<3.00E-01	<3.00E-01	**3.1 J**	**460**	**330**	**15**	**37**	**56**	<15	**33**	<10	<50	**934**
	5/29/2014	210	BIOAUGMENTATION														
	7/29/2014	271	NA	NA	NA	NA	<1.0	**510**	**320**	**12**	**48**	**86**	<1.5	**46**	**5.3**	**22**	**1,049**
	11/4/2014	369	**4.58E+01**	**8.70E+00**	<5.00E-01	**1.00E-01 J**	**0.14 J**	**320**	**250**	**13**	**45**	**69**	**7.8**	**42**	<2.0	**19**	**766**
MW-16	10/2/2013	--	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	<0.10	**0.095**	**0.025 J**	**0.10**	**0.040 J**	<0.15	<0.15	**0.16**	<0.10	<0.50	**0.42**
	10/31/2013	INJECTION															
	1/16/2014	77	NA	NA	NA	NA	**0.18 J**	**220**	**62**	**3.0**	**4.6**	**0.26**	**0.24**	**0.95**	<0.10	**0.38 J**	**292**
	4/28/2014	179	**3.00E-01 J**	<3.00E-01	<3.00E-01	<3.00E-01	**5.9 J**	**230**	**190**	**11**	**16**	**9.0**	**1.4 J**	**7.0**	<1.0	<5.0	**470**
	5/29/2014	210	BIOAUGMENTATION														
	7/29/2014	271	NA	NA	NA	NA	<10	**390**	**220**	**11**	**45**	**47**	<1.5	**36**	**1.1 J**	**4.6 J**	**755**
	11/4/2014	369	**4.80E+00**	<5.00E-01	<5.00E-01	<5.00E-01	<1.0	**400**	**120**	**6.6**	**45**	**26**	**3.6**	**16**	<2.0	**11**	**628**
Phase 2 Injection Shallow Monitoring Wells																	
MW-4	10/2/2013	--	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**3.6**	**0.51 J**	<0.50	**0.77 J**	<0.50	<1.5	<1.5	<0.70	<1.0	<5.0	**4.88**
	2/14/2014	INJECTION															
	4/28/2014	73	<3.00E-01	<3.00E-01	<3.00E-01	<3.00E-01	<1.0	**2.0**	**0.37 J**	**0.58 J**	<0.50	<1.5	<1.5	<0.70	<1.0	<5.0	**2.95**
	5/29/2014	104	BIOAUGMENTATION														
	7/29/2014	165	**5.10E+00**	**1.00E-01 J**	<5.00E-01	**1.00E-01 J**	**0.43 J**	**0.45 J**	**0.32 J**	**0.18 J**	<0.50	<1.5	<1.5	<0.70	<2.0	<5.0	**1.38**
	11/4/2014	263	<4.00E-01	<4.00E-01	<4.00E-01	<4.00E-01	**0.42 J**	**0.65 J**	**0.37 J**	**0.65 J**	<0.50	<1.5	<1.5	<0.70	<2.0	<5.0	**2.09**
MW-18	10/2/2013	--	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**1.8**	**13**	**0.36**	**0.27**	**0.11**	**0.10 J**	<0.15	**0.19**	<0.10	<0.50	**15.8**
	2/14/2014	INJECTION															
	4/28/2014	73	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	<1.0	**3.3**	**0.61**	**0.76 J**	**0.40 J**	**0.57 J**	**0.64 J**	<0.70	<1.0	<5.0	**6.28**
	5/29/2014	104	BIOAUGMENTATION														
	7/29/2014	165	**6.60E+00**	**1.50E+00**	<5.00E-01	<5.00E-01	**0.18 J**	**2.5**	<0.50	**0.17 J**	<0.50	<1.5	<1.5	<0.70	<2.0	<5.0	**2.85**
	11/4/2014	263	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**0.23 J**	**7.4**	**0.75**	**0.77 J**	<0.50	<1.5	<1.5	<0.70	<2.0	<5.0	**9.15**
Compliance Shallow Monitoring Wells																	
MW-19	10/3/2013	--	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**3.6**	**0.47 J**	<0.50	**1.3**	<0.50	<1.5	<1.5	<0.70	<1.0	<5.0	**5.37**
	4/28/2014	--	NA	NA	NA	NA	**0.093 J**	**0.051 J**	<0.050	**0.094 J**	<0.050	<0.15	<0.15	<0.070	<0.10	<0.50	**0.24**
	7/29/2014	--	**2.82E+01**	**3.00E+00**	<5.00E-01	**3.00E-01 J**	**0.27 J**	**27**	**17**	**1.2**	**2.8**	**0.51 J**	**0.50 J**	**1.8**	**1.4 J**	<5.0	**52**
	11/4/2014	--	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01	**0.32 J**	**19**	**2.4**	**1.1**	**0.97**	**0.50 J**	**1.0 J**	<0.70	<2.0	<5.0	**25**

Notes:
mg/L = milligrams per liter
1. Total VFA calculated as the sum of all concentrations detected above the laboratory detection limit.
J = Estimated concentration greater than the set method detection limit and less than the set reporting limit.
NA = Not analyzed

TABLE 11
CHLORINE NUMBER FOR INJECTION ZONE MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	Chlorinated Aliphatics										Chlorine Number (µmol/L)
			PCE		TCE		*c* DCE		VC		Ethene		
Molecular Weight (µg/µmol)			165.8		131.40		96.95		62.50		28.05		
Unit			(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	
Phase 1 Injection Shallow Monitoring Wells													
MW-2	6/18/2008	--	8,820	53.20	1,080	8.22	4.4	0.05	0.3	0.00	NA	0	3.86
	4/7/2009	--	7,140	43.06	879	6.69	100	1.03	3.1	0.05	NA	0	3.82
	7/28/2010	--	5,150	31.06	624	4.75	160	1.65	160	2.56	NA	0	3.61
	10/2/2013	--	6,300	38.00	570	4.34	3.8	0.04	8	0.13	0.53	0.02	3.89
	10/31/2013	INJECTION											
	1/16/2014	77	37	0.22	36	0.27	1,900	19.60	1.55	0.02	0.54	0.02	2.03
	4/28/2014	179	29	0.17	25	0.19	1,900	19.60	43	0.69	0.80	0.03	1.99
	7/29/2014	271	43	0.26	44	0.33	2,400	24.76	53	0.85	0.08	0.003	2.00
	11/4/2014	369	9.1	0.05	14	0.11	2,700	27.85	58	0.93	0.82	0.03	1.97
MW-16	10/2/2013	--	3,300	19.90	310	2.36	1.9	0.02	3.9	0.06	0.235	0.01	3.88
	10/31/2013	INJECTION											
	1/16/2014	77	3.45	0.02	18,000	136.99	680	7.01	8.0	0.13	0.241	0.01	2.95
	4/28/2014	179	1.7	0.01	740	5.63	9,400	96.96	3.9	0.06	0.49	0.02	2.05
	7/29/2014	271	1.9	0.01	51	0.39	9,100	93.86	120.0	1.92	0.08	0.003	1.98
	11/4/2014	369	7.0	0.04	13	0.10	2,900	29.91	35.0	0.56	0.08	0.003	1.99
Phase 2 Injection Shallow Monitoring Wells													
MW-3	6/18/2008	--	573	3.46	2.8	0.02	0.095	0.00	0.31	0.00	NA	0	3.99
	7/29/2010	--	1,630	9.83	40	0.30	40	0.41	40	0.64	NA	0	3.73
	10/2/2013	--	1,800	10.86	0.135	0.00	0.19	0.00	0.39	0.01	0.0355	0.001	4.00
	2/14/2014	INJECTION											
	7/30/2014	166	900	5.43	1.2	0.01	0.78	0.01	0.035	0.001	0.075	0.003	3.99
	11/4/2014	263	770	4.64	0.375	0.003	0.375	0.004	0.9	0.01	0.08	0.003	3.99
MW-4	6/18/2008	--	2,320	13.99	1,030	7.84	1.0	0.01	0.3	0.005	NA	0	3.64
	7/28/2010	--	18,200	109.77	3,460	26.33	625	6.45	625	10.00	NA	0	3.55
	10/30/2012	--	25,800	155.61	3,380	25.72	2.24	0.02	4.825	0.08	NA	0	3.86
	1/31/2013	--	37,000	223.16	4,200	31.96	19	0.20	39	0.62	NA	0	3.87
	10/2/2013	--	30,000	180.94	4,800	36.53	3.8	0.04	8	0.13	0.0355	0.001	3.83
	1/15/2014	--	22,000	132.69	5,200	39.57	1.9	0.02	3.9	0.06	NA	0	3.77
	2/14/2014	INJECTION											
	4/28/2014	103	29,000	174.91	5,300	40.33	1.9	0.02	3.9	0.06	0.0355	0.001	3.81
	7/29/2014	165	19,000	114.60	5,300	40.33	6.4	0.07	0.19	0.00	0.08	0.003	3.74
	11/4/2014	263	26,000	156.82	4,800	36.53	10.5	0.11	25	0.40	0.08	0.003	3.80

TABLE 11
CHLORINE NUMBER FOR INJECTION ZONE MONITORING WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Date Sampled	Days Post Injection	Chlorinated Aliphatics										Chlorine Number (µmol/L)
			PCE		TCE		*c* DCE		VC		Ethene		
Molecular Weight (µg/µmol)			165.8		131.40		96.95		62.50		28.05		
Unit			(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	
MW-8	7/28/2010	--	974	5.87	25	0.19	25	0.26	25	0.40	NA	0	3.72
	10/30/2012	--	874	5.27	58.2	0.44	1.72	0.02	0.193	0.00	NA	0	3.91
	1/31/2013	--	2,100	12.67	150	1.14	0.8	0.01	1.55	0.02	NA	0	3.91
	10/2/2013	--	2,200	13.27	120	0.91	0.19	0.00	0.39	0.01	NA	0	3.93
	1/15/2014	--	1,900	11.46	130	0.99	2.6	0.03	0.39	0.01	0.036	0.001	3.91
	2/14/2014	INJECTION											
	4/29/2014	74	65	0.39	13	0.10	5.8	0.06	0.39	0.01	0.715	0.03	3.42
	7/30/2014	166	40	0.24	16	0.12	210	2.17	3.2	0.05	0.075	0.003	2.21
	11/3/2014	262	38	0.23	11	0.08	360	3.71	6.7	0.11	0.075	0.003	2.10
MW-18	10/2/2013	--	110,000	663.45	22,000	167.43	380	3.92	15.5	0.25	10.1	0.36	3.79
	1/15/2014	--	50,000	301.57	6,000	45.66	7.5	0.08	15.5	0.25	NA	0	3.87
	2/14/2014	INJECTION											
	4/28/2014	73	66,000	398.07	14,000	106.54	7.5	0.08	15.5	0.25	0.431	0.02	3.79
	7/29/2014	165	62,000	373.94	10,000	76.10	19	0.20	1.2	0.02	0.075	0.003	3.83
	11/4/2014	263	88,000	530.76	20,000	152.21	47	0.48	110	1.76	0.075	0.003	3.77

Notes:
µg/L = micrograms per liter
µmol/L = micromoles per litre
µg/µmol = micrograms per micromoles
Data reported less than the MDL was replaced with half of the reported MDL value in order to complete calcuations (see Table 4 for the reported MDL values)
Data qualifers were removed from the table to complete calcuations (see Table 4 for data qualifers)
NA = Not analyzed
Caclulations regarding NA ethene data (µmol/L) were considered to be zero (0)

TABLE 12
CHLORINE NUMBER FOR SELECT INJECTION WELLS
FORMER EATON CORPORATION
1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA

Monitoring Well ID	Screened Interval (ft bgs)	Date Sampled	Days Post Injection	Chlorinated Aliphatics										Chlorine Number (µmol/L)
				PCE		TCE		*c* DCE		VC		Ethene		
Molecular Weight (µg/µmol)				165.8		131.40		96.95		62.50		28.05		
Unit				(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	(µg/L)	(µmol/L)	
Phase 1 Injection Wells														
IW-2A	10 - 20	10/31/2013	INJECTION											
		11/7/2014	372	1.2	0.007	1.1	0.008	5.1	0.053	30	0.480	0.075	0.003	1.16
IW-42B	23- 30	10/31/2013	INJECTION											
		11/7/2014	372	4	0.021	30	0.228	1,100	11.346	1,400	22.400	55	1.961	1.28
Phase 2 Injection Wells														
IW-60A	10 - 20	2/14/2014	INJECTION											
		11/7/2014	266	6.0	0.036	1.8	0.014	11	0.113	5.4	0.086	1.9	0.068	1.57
IW-40B	23- 30	2/14/2014	INJECTION											
		11/7/2014	266	28	0.169	30	0.228	660	6.808	93	1.488	68	2.424	1.48

Notes:
µg/L = micrograms per liter
µmol/L = micromoles per litre
µg/µmol = micrograms per micromoles
Data reported less than the MDL was replaced with half of the reported MDL value in order to complete calcuations (see Table 9 for the reported MDL values)
Data qualifers were removed from the table to complete calcuations (see Table 9 for data qualifers)

ATTACHMENT 3

MONITORING WELL LABORATORY REPORTS

CompuChem

A Division Of

Liberty Analytical Corp.

11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411002

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411002
Sdg: 1411002

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411002-01	MW-9	Water	11/03/2014 16:15	11/04/2014 09:00
1411002-02	MW-20	Water	11/03/2014 15:15	11/04/2014 09:00
1411002-03	MW-7	Water	11/03/2014 13:40	11/04/2014 09:00
1411002-04	MW-14	Water	11/03/2014 15:40	11/04/2014 09:00
1411002-05	MW-8	Water	11/03/2014 13:50	11/04/2014 09:00
1411002-06	TB-1	Water	11/03/2014 00:00	11/04/2014 09:00
1411002-07	MW-18	Water	11/04/2014 10:28	11/05/2014 09:00
1411002-08	MW-3	Water	11/04/2014 12:55	11/05/2014 09:00
1411002-09	MW-16	Water	11/04/2014 14:20	11/05/2014 09:00
1411002-10	MW-17	Water	11/04/2014 16:35	11/05/2014 09:00
1411002-11	MW-4	Water	11/04/2014 09:40	11/05/2014 09:00
1411002-12	MW-19	Water	11/04/2014 11:35	11/05/2014 09:00
1411002-13	MW-11	Water	11/04/2014 12:50	11/05/2014 09:00
1411002-14	MW-2	Water	11/04/2014 14:40	11/05/2014 09:00
1411002-15	DUP-1	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-16	MW-15	Water	11/04/2014 16:05	11/05/2014 09:00
1411002-17	TB-2	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-18	TB-2A	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-19	MW-5	Water	11/05/2014 14:00	11/06/2014 08:30
1411002-20	MW-13	Water	11/05/2014 13:20	11/06/2014 08:30
1411002-21	MW-1	Water	11/05/2014 11:00	11/06/2014 08:30

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411002

Client Sample Id:	Analysis:	Lab Sample Id:
MW-9	EPA 6010C	1411002-01
MW-20	EPA 6010C	1411002-02
MW-7	EPA 6010C	1411002-03
MW-14	EPA 6010C	1411002-04
MW-8	EPA 6010C	1411002-05
MW-18	EPA 6010C	1411002-07
MW-3	EPA 6010C	1411002-08
MW-16	EPA 6010C	1411002-09
MW-17	EPA 6010C	1411002-10
MW-4	EPA 6010C	1411002-11
MW-19	EPA 6010C	1411002-12
MW-11	EPA 6010C	1411002-13
MW-2	EPA 6010C	1411002-14
MW-15	EPA 6010C	1411002-16
MW-5	EPA 6010C	1411002-19
MW-13	EPA 6010C	1411002-20
MW-1	EPA 6010C	1411002-21

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan W Bass

Name: Susan Bass

Date: 11/11/2014

Title: Chemist III

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501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem
a Division of Liberty Analytical Corp.
501 Madison Avenue
Cary, NC 27513

SDG NARRATIVE
SDG # 1411002
Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

The indicated Sample Delivery Group (SDG) consisting of seventeen (17) water samples was received into the laboratory information management system (LIMS) on November 4, 5, and 6, 2014 intact and in good condition with the Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The cooler temperature indicator bottle was found with the samples and the samples temperature was 0.3 to 1.8 degrees Celsius. Temperature was recorded by IR temperature gun.

The samples were prepared and analyzed in accordance with SW846 6010C methodology for the requested metals iron and magnesium.

EQUATIONS FOR LIQUID SAMPLE CALCULATIONS:

Equation for obtaining metals sample results in µg/L as presented on Analysis Data Sheet data sheets from ICP instrument acquired results in µg/L (ppb).

$$\frac{C \times F}{I}$$

Where

C = concentration (µg/L)

F = final volume in liters after sample preparation

I = initial volume in liters

Example: Iron for sample MW-9

$$\frac{504.223\ \mu g/L\ (C) \times 0.05\ L\ (F)}{0.05\ L\ (I)} = 504.2\ \mu g/L \text{ reported as } 504\ \mu g/L$$

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (LLICV, LLCCV, ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within SW-846 methodology.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSW, LCSWD, & PBW) were found to be within acceptable ranges and the field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

No matrix spikes were requested for these samples.

A five-fold serial dilution of sample, CCN = SDI1411002-01 (MW-9L) was performed in accordance with SW-846 requirements for ICP analysis.

The adjusted sample concentration was inside control limits.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Senior Chemist
November 11, 2014

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

INORGANIC DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. The qualifiers used are:

U : This flag indicates the compound was analyzed for, not detected and is reported as less than the Method Detection Limit (MDL) (or as defined by the client). The Reporting Limit (RL), or Limit of Quantitation (LOQ), and the MDL will be adjusted to reflect any dilution or concentration of the sample and, for soils, the percent moisture.

J : This flag indicates the reported result is an estimated value. The flag is used when an analyte is detected and the result is less than the adjusted RL/LOQ but equal to or greater than the MDL.

Q : This flag denotes that one or more quality control criteria have failed (e.g., LCS recovery, Continuing Calibration Verification, CCV, and interference check standards for ICP-AES/ICP-MS) and reanalyses can't be performed. The Q flag is applied to all specific analyte(s) in all samples associated with the failed quality control criteria.

B : This flag is used when the analyte is found in the associated method or calibration blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

D: This flag is applied to an analyte when the reported result is based on a dilution.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

The extensions: D, S, SD, L, and A are added to the end of the Client ID and represent the following:

D – Matrix Duplicate
S – Matrix Spike
SD – Matrix Spike Duplicate
L – Serial Dilution
A – Post Digestion Spike

Revision 0 (11-09-2010)

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28716
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene BSK 175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use): T. Fe & Mg	TOC	sulfide		
1411002-01	MW-9	11/3/14	1615	GW	11	X		X	X		2A acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9		
-02	MW-20	↓	1515	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-03	MW-7	↓	1340	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-04	MW-14	↓	1540	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-05	MW-8	↓	1350	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-06	TB-1	/	/	DI	3							X														

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Clay Fussell	Date/Time: 11/4/14 730	Received by: CompuChem	Date/Time: 11/4/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time: VOA in this cooler
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice? Y or N — Cooler Temp: 2.4, 1.0 °C

direct delivery from client

IR GUN: SN0010

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28409
Page 1 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK175	TOC S3108	Alkalinity 310.2	Sulfide SM4500-S2			pH / Sample Info (Lab Use): T Fe & Mg	TOC	Sulfide
141100207	MW-18	11/4/14	1028	GW	11	X		X	X		Zn acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-08	MW-3		1255																			<2	<2	>9
-09	MW-16		1420																			<2	<2	>9
-10	MW-17		1635																			<2	<2	>9
-11	MW-4		940																			<2	<2	7
-12	MW-19		1135																			<2	<2	7
-13	MW-11		1250																			<2	<2	>9
-14	MW-2		1440																			<2	<2	8
-15	Dup-1		—		3							X										—	—	—
-16	MW-15		1605		11							X	X	X	X	X	X	X	X			<2	<2	>9

Lab Use Only

Sample Unpacked By: [illegible]
Sample Order Entry By: [illegible]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Dup-1: VOCs - unpreserved

Sample Custody

Relinquished by: CL Fussell	Date/Time: 11/5/14 @ 0900	Received by: R Eaton CompuChem	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 0.3, 1.8 °C

direct delivery from client

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

IR GUN: SN0010

CompuChem
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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

27599
Page 2 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - KES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC 300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use)
1411002-17	TB-2	/	/	DI	3							X										
1411002-18	TB-2A	assoc. w/ only MW-11 from cooler (all other VOAs were in cooler w/ "TB-2") spoke w/ Jody concerning TB's 11/05/14																				

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: C Fussell	Date/Time: 11/5/14 0900	Received by: COMPUCHEM	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

direct delivery from client

White & Yellow copy to lab • Pink copy for customer

ID	pH
MW-4	7
MW-19	7
MW-2	8

CompuChem
A Division Of
Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # see chart
Case # _____
Type of Analysis Sulfide
Receipt Date 11/5/14

The pH reading for the sample above was see chart: the required pH level is < 2 .

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓ per Jody Overmyer @ 11/5/14

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 11/5/14

Preservation Type Zn Acetate/6N NaOH Preservative Lot Number 3L16031 / 4C27024

Preserved By [signature] Date 11/5/14

QAN-R-2
100319

QAN-R-2:031910:jad

CompuChem
A Division Of
Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28410
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK 175	TOC SM 5310 B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use) T. Nitrate	TOC	sulfide
1411002-19	MW-5	11/5/14	1400	GW	11	X		X	X		2ml acetic NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-20	MW-13	11/5/14	1320	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
-21	MW-1	11/5/14	1100	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
—	TB-3 *	/	/	DI	3							X	* trip blank not included in cooler w/ samples											

11/6/14

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/6/14 0820	Received by: ~~0900~~	Date/Time: 11/6/14 0830
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 1.2 °C

Samples stored 60 days after date report mailed at no extra charge.

Direct delivery from client

White & Yellow copy to lab • Pink copy for customer

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-01 MW-9 [Water] Sampled 11/03/2014 16:15 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 16:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
1411002-02 MW-20 [Water] Sampled 11/03/2014 15:15 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-03 MW-7 [Water] Sampled 11/03/2014 13:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
1411002-04 MW-14 [Water] Sampled 11/03/2014 15:40 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Batched**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-05 MW-8 [Water] Sampled 11/03/2014 13:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:50	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
1411002-06 TB-1 [Water] Sampled 11/03/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 00:00	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-07 MW-18 [Water] Sampled 11/04/2014 10:28 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 10:28	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-08 MW-3 [Water] Sampled 11/04/2014 12:55 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:55	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-09 MW-16 [Water] Sampled 11/04/2014 14:20 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:20	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-10 MW-17 [Water] Sampled 11/04/2014 16:35 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-11 MW-4 [Water] Sampled 11/04/2014 09:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 09:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-12 MW-19 [Water] Sampled 11/04/2014 11:35 Eastern					
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 11:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-13 MW-11 [Water] Sampled 11/04/2014 12:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:50	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Prepared**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-14 MW-2 [Water] Sampled 11/04/2014 14:40 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-15 DUP-1 [Water] Sampled 11/04/2014 00:00 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-16 MW-15 [Water] Sampled 11/04/2014 16:05 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:05	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-17 TB-2 [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-18 TB-2A [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK*ASSOC. WITH MW-11 ONLY**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-19 MW-5 [Water] Sampled 11/05/2014 14:00 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 14:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
1411002-20 MW-13 [Water] Sampled 11/05/2014 13:20 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/04/2015 13:20	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-21 MW-1 [Water] Sampled 11/05/2014 11:00 Eastern					
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 11:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411002

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: Water **Instrument:** P5

Analyte	MDL	RL	Units	Method
Iron	58	200	ug/L	EPA 6010C
Magnesium	1,150	5000	ug/L	EPA 6010C

LCS / LCS DUPLICATE SUMMARY

EPA 6010C

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111005-BS1 Matrix: Water Client ID: MLCSLO Batch: 4111005

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Iron	5100	5250	103		80 - 120
Magnesium	6000	6010	100		80 - 120

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LCS / LCS DUPLICATE SUMMARY

EPA 6010C

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111005-BSD1 Matrix: Water Client ID: MLCSDLO Batch: 4111005

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Iron	5100	5200	102	0.970	20		80 - 120
Magnesium	6000	5970	99.6	0.562	20		80 - 120

SERIAL DILUTION

EPA 6010C

MW-9L

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4K11014-SRD3 Matrix: Water Lab Source ID: 1411002-01 Source Sample: MW-9

Sequence: 4K11014 Dilution: 5 Report to MDL: YES

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	RL	% Difference	Q	Method	QC Limits % Difference
Iron	504.22	1000.00 U	200			EPA 6010C	10
Magnesium	5,000.00 U	25000.00 U	5000			EPA 6010C	10

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PREPARATION BATCH SUMMARY

EPA 6010C

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4111005 Matrix: Water Preparation: EPA 3010A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/10/14 10:45	50.0	50.0
MW-20	1411002-02	11/10/14 10:45	50.0	50.0
MW-7	1411002-03	11/10/14 10:45	50.0	50.0
MW-14	1411002-04	11/10/14 10:45	50.0	50.0
MW-8	1411002-05	11/10/14 10:45	50.0	50.0
MW-18	1411002-07	11/10/14 10:45	50.0	50.0
MW-3	1411002-08	11/10/14 10:45	50.0	50.0
MW-16	1411002-09	11/10/14 10:45	50.0	50.0
MW-17	1411002-10	11/10/14 10:45	50.0	50.0
MW-4	1411002-11	11/10/14 10:45	50.0	50.0
MW-19	1411002-12	11/10/14 10:45	50.0	50.0
MW-11	1411002-13	11/10/14 10:45	50.0	50.0
MW-2	1411002-14	11/10/14 10:45	50.0	50.0
MW-15	1411002-16	11/10/14 10:45	50.0	50.0
MW-5	1411002-19	11/10/14 10:45	50.0	50.0
MW-13	1411002-20	11/10/14 10:45	50.0	50.0
MW-1	1411002-21	11/10/14 10:45	50.0	50.0
PBWLO	4111005-BLK1	11/10/14 10:45	50.0	50.0
MLCSLO	4111005-BS1	11/10/14 10:45	50.0	50.0
MLCSDLO	4111005-BSD1	11/10/14 10:45	50.0	50.0

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ANALYSIS DATA SHEET

MW-9

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-01 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	504	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 12:59
7439-95-4	Magnesium		1150	5000		1	U	EPA 6010C	4K11014	11/11/14 12:59

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

MW-20

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-02 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	33900	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:06
7439-95-4	Magnesium	25200	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:06

NC2L - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

MW-7

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-03 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	80.3	58.0	200	300	1	J	EPA 6010C	4K11014	11/11/14 13:09
7439-95-4	Magnesium	3250	1150	5000		1	J	EPA 6010C	4K11014	11/11/14 13:09

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

MW-14

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-04 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	1290	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:12
7439-95-4	Magnesium		1150	5000		1	U	EPA 6010C	4K11014	11/11/14 13:12

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

MW-8

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-05 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	112000	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:22
7439-95-4	Magnesium	14800	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:22

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

MW-18

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-07 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	321	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:25
7439-95-4	Magnesium	68700	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:25

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

MW-3

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-08 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	47200	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:29
7439-95-4	Magnesium	102000	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:29

NC2L - 15A NCAC 02L .0202

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ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

MW-16

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-09 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	143000	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:32
7439-95-4	Magnesium	28300	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:32

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

MW-17

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-10 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	188000	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:35
7439-95-4	Magnesium	29400	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:35

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

MW-4

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-11 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	150	58.0	200	300	1	J	EPA 6010C	4K11014	11/11/14 13:39
7439-95-4	Magnesium	91300	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:39

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

MW-19

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-12 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	45900	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:42
7439-95-4	Magnesium	53600	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:42

NC2L - 15A NCAC 02L .0202

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ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

MW-11

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-13 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	2800	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:45
7439-95-4	Magnesium	1970	1150	5000		1	J	EPA 6010C	4K11014	11/11/14 13:45

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

MW-2

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-14 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	167000	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 13:48
7439-95-4	Magnesium	23700	1150	5000		1		EPA 6010C	4K11014	11/11/14 13:48

NC2L - 15A NCAC 02L .0202

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ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

MW-15

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-16 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	1650	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 14:12
7439-95-4	Magnesium	2880	1150	5000		1	J	EPA 6010C	4K11014	11/11/14 14:12

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

MW-5

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-19 % Solid: Matrix: Water Sampled: 11/05/14 Received: 11/06/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	614	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 14:21
7439-95-4	Magnesium	90700	1150	5000		1		EPA 6010C	4K11014	11/11/14 14:21

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

MW-13

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-20 % Solid: Matrix: Water Sampled: 11/05/14 Received: 11/06/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron	2310	58.0	200	300	1		EPA 6010C	4K11014	11/11/14 14:24
7439-95-4	Magnesium		1150	5000		1	U	EPA 6010C	4K11014	11/11/14 14:24

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

MW-1

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-21 % Solid: Matrix: Water Sampled: 11/05/14 Received: 11/06/14

CAS NO.	Analyte	Conc. (ug/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
7439-89-6	Iron		58.0	200	300	1	U	EPA 6010C	4K11014	11/11/14 14:27
7439-95-4	Magnesium		1150	5000		1	U	EPA 6010C	4K11014	11/11/14 14:27

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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BLANKS

EPA 6010C

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K11014 Instrument ID: P5

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K11014-ICB1	Iron	0.285	58.0	200	ug/L	*U*	EPA 6010C
ICB	4K11014-ICB1	Magnesium	0.352	1150	5000	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB1	Iron	0.796	58.0	200	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB1	Magnesium	1.20	1150	5000	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB2	Iron	0.263	58.0	200	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB2	Magnesium	0.971	1150	5000	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB3	Iron	0.185	58.0	200	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB3	Magnesium	1.02	1150	5000	ug/L	*U*	EPA 6010C
PBWLO	4111005-BLK1	Iron		58.0	200	ug/L	*U*	EPA 6010C
PBWLO	4111005-BLK1	Magnesium		1150	5000	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB4	Iron	0.358	58.0	200	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB4	Magnesium	1.13	1150	5000	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB5	Iron	0.163	58.0	200	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB5	Magnesium	1.49	1150	5000	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB6	Iron	0.336	58.0	200	ug/L	*U*	EPA 6010C
CCB1	4K11014-CCB6	Magnesium	0.496	1150	5000	ug/L	*U*	EPA 6010C

CompuChem

A Division Of

Liberty Analytical Corp.

11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411002

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411002
Sdg: 1411002

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411002-01	MW-9	Water	11/03/2014 16:15	11/04/2014 09:00
1411002-02	MW-20	Water	11/03/2014 15:15	11/04/2014 09:00
1411002-03	MW-7	Water	11/03/2014 13:40	11/04/2014 09:00
1411002-04	MW-14	Water	11/03/2014 15:40	11/04/2014 09:00
1411002-05	MW-8	Water	11/03/2014 13:50	11/04/2014 09:00
1411002-06	TB-1	Water	11/03/2014 00:00	11/04/2014 09:00
1411002-07	MW-18	Water	11/04/2014 10:28	11/05/2014 09:00
1411002-08	MW-3	Water	11/04/2014 12:55	11/05/2014 09:00
1411002-09	MW-16	Water	11/04/2014 14:20	11/05/2014 09:00
1411002-10	MW-17	Water	11/04/2014 16:35	11/05/2014 09:00
1411002-11	MW-4	Water	11/04/2014 09:40	11/05/2014 09:00
1411002-12	MW-19	Water	11/04/2014 11:35	11/05/2014 09:00
1411002-13	MW-11	Water	11/04/2014 12:50	11/05/2014 09:00
1411002-14	MW-2	Water	11/04/2014 14:40	11/05/2014 09:00
1411002-15	DUP-1	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-16	MW-15	Water	11/04/2014 16:05	11/05/2014 09:00
1411002-17	TB-2	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-18	TB-2A	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-19	MW-5	Water	11/05/2014 14:00	11/06/2014 08:30
1411002-20	MW-13	Water	11/05/2014 13:20	11/06/2014 08:30
1411002-21	MW-1	Water	11/05/2014 11:00	11/06/2014 08:30

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411002

Client Sample Id:	Analysis:	Lab Sample Id:
MW-9	EPA 310.2	1411002-01
MW-9	SM3500-FE-B	1411002-01
MW-9	EPA 300.0	1411002-01
MW-9	SM4500S-2-F	1411002-01
MW-9	SM5310B	1411002-01
MW-20	EPA 300.0	1411002-02
MW-20	SM4500S-2-F	1411002-02
MW-20	SM5310B	1411002-02
MW-20	EPA 310.2	1411002-02RE1
MW-20	SM3500-FE-B	1411002-02RE1
MW-20	EPA 300.0	1411002-02RE1
MW-7	SM3500-FE-B	1411002-03
MW-7	EPA 310.2	1411002-03
MW-7	EPA 300.0	1411002-03
MW-7	SM4500S-2-F	1411002-03
MW-7	SM5310B	1411002-03
MW-14	SM3500-FE-B	1411002-04
MW-14	SM5310B	1411002-04
MW-14	EPA 300.0	1411002-04
MW-14	SM4500S-2-F	1411002-04
MW-14	EPA 310.2	1411002-04RE1
MW-8	EPA 300.0	1411002-05
MW-8	SM4500S-2-F	1411002-05
MW-8	SM5310B	1411002-05
MW-8	SM3500-FE-B	1411002-05RE1
MW-8	EPA 310.2	1411002-05RE1
MW-18	EPA 300.0	1411002-07
MW-18	SM3500-FE-B	1411002-07
MW-18	SM4500S-2-F	1411002-07
MW-18	SM5310B	1411002-07
MW-18	EPA 310.2	1411002-07
MW-18	EPA 300.0	1411002-07RE1
MW-3	EPA 310.2	1411002-08
MW-3	SM4500S-2-F	1411002-08
MW-3	SM5310B	1411002-08
MW-3	EPA 300.0	1411002-08

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MW-3	SM3500-FE-B	1411002-08RE1
MW-3	EPA 300.0	1411002-08RE1
MW-16	EPA 300.0	1411002-09
MW-16	SM4500S-2-F	1411002-09
MW-16	SM5310B	1411002-09
MW-16	SM3500-FE-B	1411002-09RE1
MW-16	EPA 310.2	1411002-09RE2
MW-17	SM5310B	1411002-10
MW-17	EPA 300.0	1411002-10
MW-17	SM4500S-2-F	1411002-10
MW-17	EPA 310.2	1411002-10RE1
MW-17	SM3500-FE-B	1411002-10RE1
MW-4	EPA 310.2	1411002-11
MW-4	SM3500-FE-B	1411002-11
MW-4	SM5310B	1411002-11
MW-4	SM4500S-2-F	1411002-11
MW-4	EPA 300.0	1411002-11RE1
MW-4	EPA 300.0	1411002-11RE2
MW-19	SM5310B	1411002-12
MW-19	SM4500S-2-F	1411002-12
MW-19	EPA 300.0	1411002-12
MW-19	EPA 310.2	1411002-12
MW-19	SM3500-FE-B	1411002-12RE1
MW-19	EPA 300.0	1411002-12RE1
MW-11	EPA 300.0	1411002-13
MW-11	SM4500S-2-F	1411002-13
MW-11	EPA 310.2	1411002-13
MW-11	SM5310B	1411002-13
MW-11	SM3500-FE-B	1411002-13RE1
MW-2	SM5310B	1411002-14
MW-2	EPA 300.0	1411002-14
MW-2	SM4500S-2-F	1411002-14
MW-2	SM3500-FE-B	1411002-14RE1
MW-2	EPA 310.2	1411002-14RE2
MW-15	SM4500S-2-F	1411002-16
MW-15	SM5310B	1411002-16
MW-15	EPA 300.0	1411002-16
MW-15	SM3500-FE-B	1411002-16RE1
MW-15	EPA 310.2	1411002-16RE1
MW-5	SM5310B	1411002-19
MW-5	SM3500-FE-B	1411002-19
MW-5	EPA 310.2	1411002-19
MW-5	SM4500S-2-F	1411002-19
MW-5	EPA 300.0	1411002-19RE1
MW-5	EPA 300.0	1411002-19RE2

MW-13	EPA 310.2	1411002-20
MW-13	SM3500-FE-B	1411002-20
MW-13	EPA 300.0	1411002-20
MW-13	SM4500S-2-F	1411002-20
MW-13	SM5310B	1411002-20
MW-1	EPA 300.0	1411002-21
MW-1	SM4500S-2-F	1411002-21
MW-1	EPA 310.2	1411002-21
MW-1	SM3500-FE-B	1411002-21
MW-1	SM5310B	1411002-21

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan W Bass

Name: Susan Bass

Date: 11/18/2014

Title: Chemist III

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501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem

A Division Of

Liberty Analytical Corp.

SDG NARRATIVE
SDG # 1411002
Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

The 17 liquid samples were received intact, at 0.3 to 2.4°C, with proper documentations, in sealed shipping containers, on November 4, 5, and 6, 2014. The samples were scheduled for the requested analysis of ferrous iron, alkalinity, TOC, sulfide, nitrate, and sulfate. The samples were analyzed, in accordance with current EPA methods, for the analytes requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:

The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV) and blanks (ICB &CCB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCS, LCSD, & Blank) were found to be within acceptable ranges. Only a LCS has been reported for alkalinity. The LCSD injection was set incorrectly on the auto sampler table and a low level standard (10 mg/L) was injected instead of the 35 mg/L LCSD solution.

The field samples were prepared and analyzed within the contract specified holding times except samples MW-4, MW-18, MW-19, MW-11, and MW-3 for nitrate. These samples were set up to run on the day they were received but the instrument stopped during the night. The instrument was set up first thing on the next day and the samples were run. The samples missed holding time from one to four hours except sample MW-4. It had to be run at a dilution for nitrate and was reported nine hours out of holding time. The pH for the samples was taken at the time the ferrous iron samples were analyzed. The pH for all of the samples was 2.42 or lower.

MATRIX RELATED QUALITY CONTROL:

No matrix spikes were requested for these samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Senior Chemist
November 19, 2014

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

WET CHEMISTRY DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. The qualifiers used are:

U : This flag indicates the compound was analyzed for, not detected and is reported as less than the Method Detection Limit (MDL) (or as defined by the client). The Reporting Limit (RL), or Limit of Quantitation (LOQ), and the MDL will be adjusted to reflect any dilution or concentration of the sample and, for soils, the percent moisture.

J : This flag indicates the reported result is an estimated value. The flag is used when an analyte is detected and the result is less than the adjusted RL/LOQ but equal to or greater than the MDL.

Q : This flag denotes that one or more quality control criteria have failed (e.g., LCS recovery, Continuing Calibration Verification, or CCV) and reanalyses can't be performed. The Q flag is applied to all specific analyte(s) in all samples associated with the failed quality control criteria.

B : This flag is used when the analyte is found in the associated method or calibration blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

D: This flag is applied to an analyte when the reported result is based on a dilution.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

The extensions: D, S, and SD are added to the end of the Client ID and represent the following:

D – Matrix Duplicate
S – Matrix Spike
SD – Matrix Spike Duplicate

Revision 0 (03-15-2011)

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28716
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene BSK 175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use): T. Fe & Mg	TOC	sulfide		
1411002-01	MW-9	11/3/14	1615	GW	11	X		X	X		2A acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9		
-02	MW-20	↓	1515	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-03	MW-7	↓	1340	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-04	MW-14	↓	1540	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-05	MW-8	↓	1350	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-06	TB-1	/	/	DI	3							X														

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Clay Fussell	Date/Time: 11/4/14 730	Received by: CompuChem	Date/Time: 11/4/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time: VOA in this cooler
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.4, 1.0 °C

direct delivery from client

IR GUN: SN0010

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

28409

Page 1 of 2

CHAIN OF CUSTODY

CompuChem
A Division Of
Liberty Analytical Corp.
Environmental Testing Laboratories

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S2			pH / Sample Info (Lab Use): T Fe & Mg	TOC	Sulfide
141100207	MW-18	11/4/14	1028	GW	11	X		X	X		Zn acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-08	MW-3		1255																			<2	<2	>9
-09	MW-16		1420																			<2	<2	>9
-10	MW-17		1635																			<2	<2	>9
-11	MW-4		940																			<2	<2	7
-12	MW-19		1135																			<2	<2	7
-13	MW-11		1250																			<2	<2	>9
-14	MW-2		1440																			<2	<2	8
-15	Dup-1		—		3							X										—	—	—
-16	MW-15		1605		11							X	X	X	X	X	X	X	X			<2	<2	>9

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By: [signature]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments: Dup-1: VOCs - unpreserved

Sample Custody

Relinquished by: CL Fussell	Date/Time: 11/5/14 @ 0900	Received by: R. Eaton CompuChem	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3, 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

direct delivery from client

IR GUN: SN0010

CompuChem
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Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

27599
Page 2 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - KES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC 300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use)
1411002-17	TB-2	/	/	DI	3							X										
1411002-18	TB-2A	assoc. w/ only MW-11 from cooler (all other VOAs were in cooler w/ "TB-2")																				
		spoke w/ Jody concerning TB's																				

11/05/14

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/5/14 0900	Received by: COMPUCHEM	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

direct delivery from client

ID	pH
MW-4	7
MW-19	7
MW-2	8

CompuChem
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Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # see chart
Case # _____
Type of Analysis Sulfide
Receipt Date 11/5/14

The pH reading for the sample above was see chart: the required pH level is <2.

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓ per Jody Overmyer @ 11/5/14

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 11/5/14

Preservation Type Zn Acetate/6N NaOH Preservative Lot Number 3L16031/4C27024

Preserved By [signature] Date 11/5/14

QAN-R-2
100319

QAN-R-2:031910:jad

CompuChem
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Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28410
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK 175	TOC SM 5310 B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use) T. Nitrate	TOC	sulfide
1411002-19	MW-5	11/5/14	1400	GW	11	X		X	X		2ml acetic NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-20	MW-13	11/5/14	1320	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
-21	MW-1	11/5/14	1100	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
—	TB-3 *	/	/	DI	3							X	* trip blank not included in cooler w/ samples											

CD 11/6/14

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/6/14 0820	Received by: ~~0900~~	Date/Time: 11/6/14 0830
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 1.2 °C

Samples stored 60 days after date report mailed at no extra charge.

Direct delivery from client

White & Yellow copy to lab • Pink copy for customer

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-01 MW-9 [Water] Sampled 11/03/2014 16:15 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 16:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
1411002-02 MW-20 [Water] Sampled 11/03/2014 15:15 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-03 MW-7 [Water] Sampled 11/03/2014 13:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
1411002-04 MW-14 [Water] Sampled 11/03/2014 15:40 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Batched**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-05 MW-8 [Water] Sampled 11/03/2014 13:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:50	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
1411002-06 TB-1 [Water] Sampled 11/03/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 00:00	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-07 MW-18 [Water] Sampled 11/04/2014 10:28 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 10:28	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-08 MW-3 [Water] Sampled 11/04/2014 12:55 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:55	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-09 MW-16 [Water] Sampled 11/04/2014 14:20 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:20	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-10 MW-17 [Water] Sampled 11/04/2014 16:35 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-11 MW-4 [Water] Sampled 11/04/2014 09:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 09:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-12 MW-19 [Water] Sampled 11/04/2014 11:35 Eastern					
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 11:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-13 MW-11 [Water] Sampled 11/04/2014 12:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:50	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Prepared**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-14 MW-2 [Water] Sampled 11/04/2014 14:40 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-15 DUP-1 [Water] Sampled 11/04/2014 00:00 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-16 MW-15 [Water] Sampled 11/04/2014 16:05 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:05	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-17 TB-2 [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-18 TB-2A [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK*ASSOC. WITH MW-11 ONLY**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-19 MW-5 [Water] Sampled 11/05/2014 14:00 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 14:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
1411002-20 MW-13 [Water] Sampled 11/05/2014 13:20 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/04/2015 13:20	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-21 MW-1 [Water] Sampled 11/05/2014 11:00 Eastern					
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 11:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411002

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: WATER **Instrument:** Buret

Analyte	MDL	RL	Units	Method
Sulfide, total	0.45	1.00	mg/L	SM4500S-2-F

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411002

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: WATER **Instrument:** LACHATC2

Analyte	MDL	RL	Units	Method
Alkalinity	0.926	10.0	mg/L	EPA 310.2

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411002

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: WATER **Instrument:** Omnion Prime

Analyte	MDL	RL	Units	Method
Nitrate as N	0.00518	0.0500	mg/L	EPA 300.0
Sulfate as SO4	0.109	1.00	mg/L	EPA 300.0

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411002

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: WATER **Instrument:** Shimadzu TOC

Analyte	MDL	RL	Units	Method
Total Organic Carbon	0.224	1.00	mg/L	SM5310B

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411002

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: WATER **Instrument:** Spec 21D

Analyte	MDL	RL	Units	Method
Ferrous Iron	0.0266	0.400	mg/L	SM3500-FE-B

LCS / LCS DUPLICATE SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110404-BS1 Matrix: Water Client ID: WLCSYI Batch: 4110404

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Ferrous Iron	1.200	1.23	103		90 - 110

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LCS / LCS DUPLICATE SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110404-BSD1 Matrix: Water Client ID: WLCSDYI Batch: 4110404

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Ferrous Iron	1.200	1.23	103	0.00	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110405-BS1 Matrix: Water Client ID: WLCSYJ Batch: 4110405

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Nitrate as N	2.500	2.51	100		90 - 110
Sulfate as SO4	60.00	62.0	103		90 - 110

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LCS / LCS DUPLICATE SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110405-BSD1 Matrix: Water Client ID: WLCSDYJ Batch: 4110405

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Nitrate as N	2.500	2.51	100	0.06	20		90 - 110
Sulfate as SO4	60.00	62.1	103	0.09	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110504-BS1 Matrix: Water Client ID: WLCSYN Batch: 4110504

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Ferrous Iron	1.200	1.27	106		90 - 110

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LCS / LCS DUPLICATE SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110504-BSD1 Matrix: Water Client ID: WLCSDYN Batch: 4110504

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Ferrous Iron	1.200	1.27	106	0.00	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110505-BS1 Matrix: Water Client ID: WLCSYO Batch: 4110505

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Nitrate as N	2.500	2.43	97		90 - 110
Sulfate as SO4	60.00	59.7	99		90 - 110

LCS / LCS DUPLICATE SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110505-BSD1 Matrix: Water Client ID: WLCSDYO Batch: 4110505

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Nitrate as N	2.500	2.43	97	0.3	20		90 - 110
Sulfate as SO4	60.00	59.6	99	0.06	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110601-BS1 Matrix: Water Client ID: WLCSYQ Batch: 4110601

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Ferrous Iron	1.200	1.19	99.2		90 - 110

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LCS / LCS DUPLICATE SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110601-BSD1 Matrix: Water Client ID: WLCSDYQ Batch: 4110601

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Ferrous Iron	1.200	1.20	100	0.837	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

SM5310B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110609-BS1 Matrix: Water Client ID: WLCSRU Batch: 4110609

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Total Organic Carbon	75.00	69.7	92.9		90 - 110

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LCS / LCS DUPLICATE SUMMARY

SM5310B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110609-BSD1 Matrix: Water Client ID: WLCSDRU Batch: 4110609

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Total Organic Carbon	75.00	71.5	95.3	2.51	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

SM4500S-2-F

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110714-BS1 Matrix: Water Client ID: WLCSYR Batch: 4110714

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Sulfide, total	10.00	9.00	90.0		90 - 110

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LCS / LCS DUPLICATE SUMMARY

SM4500S-2-F

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110714-BSD1 Matrix: Water Client ID: WLCSDYR Batch: 4110714

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Sulfide, total	10.00	9.20	92.0	2.20	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110718-BS1 Matrix: Water Client ID: WLCSYT Batch: 4110718

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Nitrate as N	2.500	2.43	97		90 - 110
Sulfate as SO4	60.00	59.5	99		90 - 110

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LCS / LCS DUPLICATE SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110718-BSD1 Matrix: Water Client ID: WLCSDYT Batch: 4110718

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Nitrate as N	2.500	2.43	97	0.06	20		90 - 110
Sulfate as SO4	60.00	59.6	99	0.2	20		90 - 110

LCS / LCS DUPLICATE SUMMARY

EPA 310.2

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111702-BS1 Matrix: Water Client ID: WLCSZI Batch: 4111702

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Alkalinity	35.00	35.0	100		90 - 110

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PREPARATION BATCH SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110404 Matrix: Water Preparation: SM 3500-FE-B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/04/14 10:45	25.0	25.0
MW-20	1411002-02RE1	11/04/14 10:45	25.0	25.0
MW-7	1411002-03	11/04/14 10:45	25.0	25.0
MW-14	1411002-04	11/04/14 10:45	25.0	25.0
MW-8	1411002-05RE1	11/04/14 10:45	25.0	25.0
PBYI	4110404-BLK1	11/04/14 10:45	25.0	25.0
WLCSYI	4110404-BS1	11/04/14 10:45	25.0	25.0
WLCSDYI	4110404-BSD1	11/04/14 10:45	25.0	25.0

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PREPARATION BATCH SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110405 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/04/14 09:59	10.0	10.0
MW-20	1411002-02	11/04/14 09:59	10.0	10.0
MW-20	1411002-02RE1	11/04/14 09:59	10.0	10.0
MW-7	1411002-03	11/04/14 09:59	10.0	10.0
MW-14	1411002-04	11/04/14 09:59	10.0	10.0
MW-8	1411002-05	11/04/14 09:59	10.0	10.0
PBYJ	4110405-BLK1	11/04/14 09:59	10.0	10.0
WLCSYJ	4110405-BS1	11/04/14 09:59	10.0	10.0
WLCSDYJ	4110405-BSD1	11/04/14 09:59	10.0	10.0

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PREPARATION BATCH SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110504 Matrix: Water Preparation: SM 3500-FE-B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-18	1411002-07	11/05/14 10:40	25.0	25.0
MW-3	1411002-08RE1	11/05/14 10:40	25.0	25.0
MW-16	1411002-09RE1	11/05/14 10:40	25.0	25.0
MW-17	1411002-10RE1	11/05/14 10:40	25.0	25.0
MW-4	1411002-11	11/05/14 10:40	25.0	25.0
MW-19	1411002-12RE1	11/05/14 10:40	25.0	25.0
MW-11	1411002-13RE1	11/05/14 10:40	25.0	25.0
MW-2	1411002-14RE1	11/05/14 10:40	25.0	25.0
MW-15	1411002-16RE1	11/05/14 10:40	25.0	25.0
PBYN	4110504-BLK1	11/05/14 10:40	25.0	25.0
WLCSYN	4110504-BS1	11/05/14 10:40	25.0	25.0
WLCSDYN	4110504-BSD1	11/05/14 10:40	25.0	25.0

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PREPARATION BATCH SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110505 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-18	1411002-07	11/06/14 09:36	10.0	10.0
MW-3	1411002-08	11/06/14 09:36	10.0	10.0
MW-16	1411002-09	11/06/14 09:36	10.0	10.0
MW-17	1411002-10	11/06/14 09:36	10.0	10.0
MW-4	1411002-11RE1	11/06/14 09:36	10.0	10.0
MW-19	1411002-12	11/06/14 09:36	10.0	10.0
MW-11	1411002-13	11/06/14 09:36	10.0	10.0
MW-2	1411002-14	11/06/14 09:36	10.0	10.0
MW-15	1411002-16	11/06/14 09:36	10.0	10.0
MW-5	1411002-19RE1	11/06/14 09:36	10.0	10.0
MW-13	1411002-20	11/06/14 09:36	10.0	10.0
MW-1	1411002-21	11/06/14 09:36	10.0	10.0
PBYO	4110505-BLK1	11/06/14 09:36	10.0	10.0
WLCSYO	4110505-BS1	11/06/14 09:36	10.0	10.0
WLCSDYO	4110505-BSD1	11/06/14 09:36	10.0	10.0

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PREPARATION BATCH SUMMARY

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110601 Matrix: Water Preparation: SM 3500-FE-B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-5	1411002-19	11/06/14 10:00	25.0	25.0
MW-13	1411002-20	11/06/14 10:00	25.0	25.0
MW-1	1411002-21	11/06/14 10:00	25.0	25.0
PBYQ	4110601-BLK1	11/06/14 10:00	25.0	25.0
WLCSYQ	4110601-BS1	11/06/14 10:00	25.0	25.0
WLCSDYQ	4110601-BSD1	11/06/14 10:00	25.0	25.0

PREPARATION BATCH SUMMARY

SM5310B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110609 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/07/14 10:18	40.0	40.0
MW-20	1411002-02	11/07/14 10:18	40.0	40.0
MW-7	1411002-03	11/07/14 10:18	40.0	40.0
MW-14	1411002-04	11/07/14 10:18	40.0	40.0
MW-8	1411002-05	11/07/14 10:18	40.0	40.0
MW-18	1411002-07	11/07/14 10:18	40.0	40.0
MW-3	1411002-08	11/07/14 10:18	40.0	40.0
MW-16	1411002-09	11/07/14 10:18	40.0	40.0
MW-17	1411002-10	11/07/14 10:18	40.0	40.0
MW-4	1411002-11	11/07/14 10:18	40.0	40.0
MW-19	1411002-12	11/07/14 10:18	40.0	40.0
MW-11	1411002-13	11/07/14 10:18	40.0	40.0
MW-2	1411002-14	11/07/14 10:18	40.0	40.0
MW-15	1411002-16	11/07/14 10:18	40.0	40.0
MW-5	1411002-19	11/07/14 10:18	40.0	40.0
MW-13	1411002-20	11/07/14 10:18	40.0	40.0
MW-1	1411002-21	11/07/14 10:18	40.0	40.0
PBRU	4110609-BLK1	11/07/14 10:18	40.0	40.0
WLCSRU	4110609-BS1	11/07/14 10:18	40.0	40.0
WLCSDRU	4110609-BSD1	11/07/14 10:18	40.0	40.0

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PREPARATION BATCH SUMMARY

SM4500S-2-F

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110714 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/07/14 11:00	200	200
MW-20	1411002-02	11/07/14 11:00	200	200
MW-7	1411002-03	11/07/14 11:00	200	200
MW-14	1411002-04	11/07/14 11:00	200	200
MW-8	1411002-05	11/07/14 11:00	200	200
MW-18	1411002-07	11/07/14 11:00	200	200
MW-3	1411002-08	11/07/14 11:00	200	200
MW-16	1411002-09	11/07/14 11:00	200	200
MW-17	1411002-10	11/07/14 11:00	200	200
MW-4	1411002-11	11/07/14 11:00	200	200
MW-19	1411002-12	11/07/14 11:00	200	200
MW-11	1411002-13	11/07/14 11:00	200	200
MW-2	1411002-14	11/07/14 11:00	200	200
MW-15	1411002-16	11/07/14 11:00	200	200
MW-5	1411002-19	11/07/14 11:00	200	200
MW-13	1411002-20	11/07/14 11:00	200	200
MW-1	1411002-21	11/07/14 11:00	200	200
PBYR	4110714-BLK1	11/07/14 11:00	200	200
WLCSYR	4110714-BS1	11/07/14 11:00	200	200
WLCSDYR	4110714-BSD1	11/07/14 11:00	200	200

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PREPARATION BATCH SUMMARY

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110718 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-18	1411002-07RE1	11/07/14 13:30	10.0	10.0
MW-3	1411002-08RE1	11/07/14 13:30	10.0	10.0
MW-4	1411002-11RE2	11/07/14 13:30	10.0	10.0
MW-19	1411002-12RE1	11/07/14 13:30	10.0	10.0
MW-5	1411002-19RE2	11/07/14 13:30	10.0	10.0
PBYT	4110718-BLK1	11/07/14 13:30	10.0	10.0
WLCSYT	4110718-BS1	11/07/14 13:30	10.0	10.0
WLCSDYT	4110718-BSD1	11/07/14 13:30	10.0	10.0

PREPARATION BATCH SUMMARY

EPA 310.2

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4111702 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/17/14 14:35	10.0	10.0
MW-20	1411002-02RE1	11/17/14 14:35	10.0	10.0
MW-7	1411002-03	11/17/14 14:35	10.0	10.0
MW-14	1411002-04RE1	11/17/14 14:35	10.0	10.0
MW-8	1411002-05RE1	11/17/14 14:35	10.0	10.0
MW-18	1411002-07	11/17/14 14:35	10.0	10.0
MW-3	1411002-08	11/17/14 14:35	10.0	10.0
MW-16	1411002-09RE2	11/17/14 14:35	10.0	10.0
MW-17	1411002-10RE1	11/17/14 14:35	10.0	10.0
MW-4	1411002-11	11/17/14 14:35	10.0	10.0
MW-19	1411002-12	11/17/14 14:35	10.0	10.0
MW-11	1411002-13	11/17/14 14:35	10.0	10.0
MW-2	1411002-14RE2	11/17/14 14:35	10.0	10.0
MW-15	1411002-16RE1	11/17/14 14:35	10.0	10.0
MW-5	1411002-19	11/17/14 14:35	10.0	10.0
MW-13	1411002-20	11/17/14 14:35	10.0	10.0
MW-1	1411002-21	11/17/14 14:35	10.0	10.0
PBZI	4111702-BLK1	11/17/14 14:35	10.0	10.0
WLCSZI	4111702-BS1	11/17/14 14:35	10.0	10.0

ANALYSIS DATA SHEET

MW-9

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-01 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	12.1	0.926	10.0		1		EPA 310.2	4K17009	11/17/14 14:50
FEFERROUS	Ferrous Iron	0.200	0.0266	0.400		1	J	SM3500-FE-B	4K04009	11/4/14 11:25
14797-55-8	Nitrate as N	0.133	0.00518	0.0500	10	1		EPA 300.0	4K05001	11/4/14 14:25
14808-79-8	Sulfate as SO4	24.7	0.109	1.00	250	1		EPA 300.0	4K05001	11/4/14 14:25
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:25
TOC	Total Organic Carbon	0.277	0.224	1.00		1	J	SM5310B	4K07010	11/7/14 12:53

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-20

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-02 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	104	2.78	30.0		3	D	EPA 310.2	4K17009	11/17/14 15:37
FEFERROUS	Ferrous Iron	34.8	0.532	8.00		20	D	SM3500-FE-B	4K04009	11/4/14 11:35
14797-55-8	Nitrate as N	0.0671	0.00518	0.0500	10	1		EPA 300.0	4K05001	11/4/14 14:42
14808-79-8	Sulfate as SO4	445	1.09	10.0	250	10	D	EPA 300.0	4K05001	11/4/14 16:55
18496-25-8	Sulfide, total	8.60	0.450	1.00		1		SM4500S-2-F	4K07007	11/7/14 11:26
TOC	Total Organic Carbon	51.3	0.224	1.00		1		SM5310B	4K07010	11/7/14 13:02

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-7

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-03 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	8.98	0.926	10.0		1	J	EPA 310.2	4K17009	11/17/14 14:52
FEFERROUS	Ferrous Iron		0.0266	0.400		1	U	SM3500-FE-B	4K04009	11/4/14 11:27
14797-55-8	Nitrate as N	1.63	0.00518	0.0500	10	1		EPA 300.0	4K05001	11/4/14 14:59
14808-79-8	Sulfate as SO4	63.1	0.109	1.00	250	1		EPA 300.0	4K05001	11/4/14 14:59
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:28
TOC	Total Organic Carbon	0.403	0.224	1.00		1	J	SM5310B	4K07010	11/7/14 13:33

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-14

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-04 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	241	9.26	100		10	D	EPA 310.2	4K17009	11/17/14 15:38
FEFERROUS	Ferrous Iron	0.420	0.0266	0.400		1		SM3500-FE-B	4K04009	11/4/14 11:28
14797-55-8	Nitrate as N	0.00600	0.00518	0.0500	10	1	J	EPA 300.0	4K05001	11/4/14 15:15
14808-79-8	Sulfate as SO4	11.1	0.109	1.00	250	1		EPA 300.0	4K05001	11/4/14 15:15
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:29
TOC	Total Organic Carbon	2.33	0.224	1.00		1		SM5310B	4K07010	11/7/14 13:42

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-8

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-05 % Solid: Matrix: Water Sampled: 11/03/14 Received: 11/04/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	421	9.26	100		10	D	EPA 310.2	4K17009	11/17/14 15:39
FEFERROUS	Ferrous Iron	131	2.13	32.0		80	D	SM3500-FE-B	4K04009	11/4/14 11:36
14797-55-8	Nitrate as N	0.0170	0.00518	0.0500	10	1	J	EPA 300.0	4K05001	11/4/14 15:32
14808-79-8	Sulfate as SO4	0.369	0.109	1.00	250	1	J	EPA 300.0	4K05001	11/4/14 15:32
18496-25-8	Sulfide, total	0.600	0.450	1.00		1	J	SM4500S-2-F	4K07007	11/7/14 11:30
TOC	Total Organic Carbon	329	1.12	5.00		5	D	SM5310B	4K07010	11/7/14 13:52

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-18

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-07 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity		0.926	10.0		1	U	EPA 310.2	4K17009	11/17/14 14:55
FEFERROUS	Ferrous Iron	0.110	0.0266	0.400		1	J	SM3500-FE-B	4K05008	11/5/14 11:16
14797-55-8	Nitrate as N	4.78	0.00518	0.0500	10	1		EPA 300.0	4K07001	11/6/14 13:29
14808-79-8	Sulfate as SO4	1620	4.36	40.0	250	40	D	EPA 300.0	4K10001	11/7/14 17:56
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:31
TOC	Total Organic Carbon	10.2	0.224	1.00		1		SM5310B	4K07010	11/7/14 14:00

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-3

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-08 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity		0.926	10.0		1	U	EPA 310.2	4K17009	11/17/14 14:56
FEFERROUS	Ferrous Iron	51.7	1.33	20.0		50	D	SM3500-FE-B	4K05008	11/5/14 11:27
14797-55-8	Nitrate as N	0.693	0.00518	0.0500	10	1		EPA 300.0	4K07001	11/6/14 14:19
14808-79-8	Sulfate as SO4	2090	3.27	30.0	250	30	D	EPA 300.0	4K10001	11/7/14 18:13
18496-25-8	Sulfide, total	14.8	0.450	1.00		1		SM4500S-2-F	4K07007	11/7/14 11:32
TOC	Total Organic Carbon	40.1	0.224	1.00		1		SM5310B	4K07010	11/7/14 14:09

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-16

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-09 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	587	18.5	200		20	D	EPA 310.2	4K17009	11/17/14 16:00
FEFERROUS	Ferrous Iron	188	2.66	40.0		100	D	SM3500-FE-B	4K05008	11/5/14 11:45
14797-55-8	Nitrate as N	0.0113	0.00518	0.0500	10	1	J	EPA 300.0	4K07001	11/6/14 14:35
14808-79-8	Sulfate as SO4	3.84	0.109	1.00	250	1		EPA 300.0	4K07001	11/6/14 14:35
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:34
TOC	Total Organic Carbon	365	1.12	5.00		5	D	SM5310B	4K07010	11/7/14 14:19

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-17

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-10 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	558	9.26	100		10	D	EPA 310.2	4K17009	11/17/14 15:44
FEFERROUS	Ferrous Iron	262	5.32	80.0		200	D	SM3500-FE-B	4K05008	11/5/14 11:46
14797-55-8	Nitrate as N	0.0607	0.00518	0.0500	10	1		EPA 300.0	4K07001	11/6/14 15:25
14808-79-8	Sulfate as SO4	5.22	0.109	1.00	250	1		EPA 300.0	4K07001	11/6/14 15:25
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:35
TOC	Total Organic Carbon	290	1.12	5.00		5	D	SM5310B	4K07010	11/7/14 14:29

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-4

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-11 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity		0.926	10.0		1	U	EPA 310.2	4K17009	11/17/14 15:01
FEFERROUS	Ferrous Iron	0.140	0.0266	0.400		1	J	SM3500-FE-B	4K05008	11/5/14 11:20
14797-55-8	Nitrate as N	18.0	0.0259	0.250	10	5	D	EPA 300.0	4K07001	11/6/14 18:45
14808-79-8	Sulfate as SO4	3240	5.45	50.0	250	50	D	EPA 300.0	4K10001	11/7/14 18:29
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:37
TOC	Total Organic Carbon	11.9	0.224	1.00		1		SM5310B	4K07010	11/7/14 14:37

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-19

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-12 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity		0.926	10.0		1	U	EPA 310.2	4K17009	11/17/14 15:02
FEFERROUS	Ferrous Iron	61.7	1.33	20.0		50	D	SM3500-FE-B	4K05008	11/5/14 11:55
14797-55-8	Nitrate as N	0.139	0.00518	0.0500	10	1		EPA 300.0	4K07001	11/6/14 13:46
14808-79-8	Sulfate as SO4	1820	2.73	25.0	250	25	D	EPA 300.0	4K10001	11/7/14 18:46
18496-25-8	Sulfide, total	7.20	0.450	1.00		1		SM4500S-2-F	4K07007	11/7/14 11:38
TOC	Total Organic Carbon	35.2	0.224	1.00		1		SM5310B	4K07010	11/7/14 14:46

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-11

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-13 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	41.3	0.926	10.0		1		EPA 310.2	4K17009	11/17/14 15:03
FEFERROUS	Ferrous Iron	2.38	0.0532	0.800		2	D	SM3500-FE-B	4K05008	11/5/14 11:48
14797-55-8	Nitrate as N	0.00670	0.00518	0.0500	10	1	J	EPA 300.0	4K07001	11/6/14 14:02
14808-79-8	Sulfate as SO4	4.41	0.109	1.00	250	1		EPA 300.0	4K07001	11/6/14 14:02
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:40
TOC	Total Organic Carbon	0.396	0.224	1.00		1	J	SM5310B	4K07010	11/7/14 14:54

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-2

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-14 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	633	18.5	200		20	D	EPA 310.2	4K17009	11/17/14 16:01
FEFERROUS	Ferrous Iron	221	5.32	80.0		200	D	SM3500-FE-B	4K05008	11/5/14 11:50
14797-55-8	Nitrate as N	0.00900	0.00518	0.0500	10	1	J	EPA 300.0	4K07001	11/6/14 14:52
14808-79-8	Sulfate as SO4	3.12	0.109	1.00	250	1		EPA 300.0	4K07001	11/6/14 14:52
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:41
TOC	Total Organic Carbon	599	2.24	10.0		10	D	SM5310B	4K07010	11/7/14 15:25

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-15

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-16 % Solid: Matrix: Water Sampled: 11/04/14 Received: 11/05/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	124	4.63	50.0		5	D	EPA 310.2	4K17009	11/17/14 15:50
FEFERROUS	Ferrous Iron	1.54	0.0532	0.800		2	D	SM3500-FE-B	4K05008	11/5/14 11:49
14797-55-8	Nitrate as N	0.0341	0.00518	0.0500	10	1	J	EPA 300.0	4K07001	11/6/14 15:09
14808-79-8	Sulfate as SO4	3.20	0.109	1.00	250	1		EPA 300.0	4K07001	11/6/14 15:09
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:42
TOC	Total Organic Carbon	0.569	0.224	1.00		1	J	SM5310B	4K07010	11/7/14 15:33

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-5

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-19 % Solid: Matrix: Water Sampled: 11/05/14 Received: 11/06/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity		0.926	10.0		1	U	EPA 310.2	4K17009	11/17/14 15:06
FEFERROUS	Ferrous Iron	0.120	0.0266	0.400		1	J	SM3500-FE-B	4K06004	11/6/14 10:21
14797-55-8	Nitrate as N	21.9	0.0518	0.500	10	10	D	EPA 300.0	4K07001	11/6/14 19:01
14808-79-8	Sulfate as SO4	2480	4.36	40.0	250	40	D	EPA 300.0	4K10001	11/7/14 19:03
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:43
TOC	Total Organic Carbon	6.12	0.224	1.00		1		SM5310B	4K07010	11/7/14 15:42

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-13

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-20 % Solid: Matrix: Water Sampled: 11/05/14 Received: 11/06/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	12.5	0.926	10.0		1		EPA 310.2	4K17009	11/17/14 15:07
FEFERROUS	Ferrous Iron	0.0600	0.0266	0.400		1	J	SM3500-FE-B	4K06004	11/6/14 10:22
14797-55-8	Nitrate as N	0.510	0.00518	0.0500	10	1		EPA 300.0	4K07001	11/6/14 17:22
14808-79-8	Sulfate as SO4	3.34	0.109	1.00	250	1		EPA 300.0	4K07001	11/6/14 17:22
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:44
TOC	Total Organic Carbon	0.645	0.224	1.00		1	J	SM5310B	4K07010	11/7/14 15:50

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

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ANALYSIS DATA SHEET

MW-1

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 1411002-21 % Solid: Matrix: Water Sampled: 11/05/14 Received: 11/06/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	9.76	0.926	10.0		1	J	EPA 310.2	4K17009	11/17/14 15:08
FEFERROUS	Ferrous Iron		0.0266	0.400		1	U	SM3500-FE-B	4K06004	11/6/14 10:23
14797-55-8	Nitrate as N	0.352	0.00518	0.0500	10	1		EPA 300.0	4K07001	11/6/14 17:38
14808-79-8	Sulfate as SO4	0.388	0.109	1.00	250	1	J	EPA 300.0	4K07001	11/6/14 17:38
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K07007	11/7/14 11:45
TOC	Total Organic Carbon	0.443	0.224	1.00		1	J	SM5310B	4K07010	11/7/14 15:59

Note: The analyzed data and time for TOC is actually the date and time of the first of the quadruplicate analyses.

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

PBYI

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110404-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron		0.0266	0.400	1	U	SM3500-FE-B	4K04009	11/4/14 11:22

ANALYSIS DATA SHEET

WLCSYI

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110404-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron	1.23	0.0266	0.400	1		SM3500-FE-B	4K04009	11/4/14 11:23

ANALYSIS DATA SHEET

WLCSDYI

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110404-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron	1.23	0.0266	0.400	1		SM3500-FE-B	4K04009	11/4/14 11:24

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ANALYSIS DATA SHEET

PBYJ

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110405-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	0.00640	0.00518	0.0500	1	J	EPA 300.0	4K05001	11/4/14 13:36
14808-79-8	Sulfate as SO4	0.249	0.109	1.00	1	J	EPA 300.0	4K05001	11/4/14 13:36

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ANALYSIS DATA SHEET

WLCSYJ

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110405-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	2.51	0.00518	0.0500	1		EPA 300.0	4K05001	11/4/14 13:52
14808-79-8	Sulfate as SO4	62.0	0.109	1.00	1		EPA 300.0	4K05001	11/4/14 13:52

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ANALYSIS DATA SHEET

WLCSDYJ

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110405-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	2.51	0.00518	0.0500	1		EPA 300.0	4K05001	11/4/14 14:09
14808-79-8	Sulfate as SO4	62.1	0.109	1.00	1		EPA 300.0	4K05001	11/4/14 14:09

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ANALYSIS DATA SHEET

PBYN

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110504-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron		0.0266	0.400	1	U	SM3500-FE-B	4K05008	11/5/14 11:13

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ANALYSIS DATA SHEET

WLCSYN

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110504-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron	1.27	0.0266	0.400	1		SM3500-FE-B	4K05008	11/5/14 11:14

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ANALYSIS DATA SHEET

WLCSDYN

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110504-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron	1.27	0.0266	0.400	1		SM3500-FE-B	4K05008	11/5/14 11:15

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ANALYSIS DATA SHEET

PBYO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110505-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	0.00590	0.00518	0.0500	1	J	EPA 300.0	4K07001	11/6/14 15:42
14808-79-8	Sulfate as SO4	0.359	0.109	1.00	1	J	EPA 300.0	4K07001	11/6/14 15:42

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ANALYSIS DATA SHEET

WLCSYO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110505-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	2.43	0.00518	0.0500	1		EPA 300.0	4K07001	11/6/14 16:32
14808-79-8	Sulfate as SO4	59.7	0.109	1.00	1		EPA 300.0	4K07001	11/6/14 16:32

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ANALYSIS DATA SHEET

WLCSDYO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110505-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	2.43	0.00518	0.0500	1		EPA 300.0	4K07001	11/6/14 16:48
14808-79-8	Sulfate as SO4	59.6	0.109	1.00	1		EPA 300.0	4K07001	11/6/14 16:48

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ANALYSIS DATA SHEET

PBYQ

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110601-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron		0.0266	0.400	1	U	SM3500-FE-B	4K06004	11/6/14 10:18

ANALYSIS DATA SHEET

WLCSYQ

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110601-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron	1.19	0.0266	0.400	1		SM3500-FE-B	4K06004	11/6/14 10:19

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ANALYSIS DATA SHEET

WLCSDYQ

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110601-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
FEFERROUS	Ferrous Iron	1.20	0.0266	0.400	1		SM3500-FE-B	4K06004	11/6/14 10:20

ANALYSIS DATA SHEET

PBRU

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110609-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
TOC	Total Organic Carbon		0.224	1.00	1	U	SM5310B	4K07010	11/7/14 11:51

ANALYSIS DATA SHEET

WLCSRU

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110609-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
TOC	Total Organic Carbon	69.7	0.224	1.00	1		SM5310B	4K07010	11/7/14 12:00

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ANALYSIS DATA SHEET

WLCSDRU

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110609-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
TOC	Total Organic Carbon	71.5	0.224	1.00	1		SM5310B	4K07010	11/7/14 12:06

ANALYSIS DATA SHEET

PBYR

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110714-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total		0.450	1.00	1	U	SM4500S-2-F	4K07007	11/7/14 11:20

ANALYSIS DATA SHEET

WLCSYR

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110714-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total	9.00	0.450	1.00	1		SM4500S-2-F	4K07007	11/7/14 11:22

ANALYSIS DATA SHEET

WLCSDYR

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110714-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total	9.20	0.450	1.00	1		SM4500S-2-F	4K07007	11/7/14 11:24

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ANALYSIS DATA SHEET

PBYT

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110718-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	0.00650	0.00518	0.0500	1	J	EPA 300.0	4K10001	11/7/14 17:06
14808-79-8	Sulfate as SO4	0.255	0.109	1.00	1	J	EPA 300.0	4K10001	11/7/14 17:06

ANALYSIS DATA SHEET

WLCSYT

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110718-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	2.43	0.00518	0.0500	1		EPA 300.0	4K10001	11/7/14 17:23
14808-79-8	Sulfate as SO4	59.5	0.109	1.00	1		EPA 300.0	4K10001	11/7/14 17:23

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ANALYSIS DATA SHEET

WLCSDYT

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110718-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
14797-55-8	Nitrate as N	2.43	0.00518	0.0500	1		EPA 300.0	4K10001	11/7/14 17:39
14808-79-8	Sulfate as SO4	59.6	0.109	1.00	1		EPA 300.0	4K10001	11/7/14 17:39

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ANALYSIS DATA SHEET

PBZI

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111702-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	2.11	0.926	10.0	1	J	EPA 310.2	4K17009	11/17/14 14:47

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

WLCSZI

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111702-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
ALK	Alkalinity	35.0	0.926	10.0	1		EPA 310.2	4K17009	11/17/14 14:48

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BLANKS

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K04009 Instrument ID: Spec 21D

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K04009-ICB1	Ferrous Iron	0.00	0.0266	0.400	mg/L	*U*	SM3500-FE-B
PBYI	4110404-BLK1	Ferrous Iron		0.0266	0.400	mg/L	*U*	SM3500-FE-B
CCB	4K04009-CCB1	Ferrous Iron	0.00	0.0266	0.400	mg/L	*U*	SM3500-FE-B

BLANKS

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K05001 Instrument ID: Omnion Prime

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K05001-ICB1	Nitrate as N	0.00670	0.00518	0.0500	mg/L	*J*	EPA 300.0
ICB	4K05001-ICB1	Sulfate as SO4	0.250	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K05001-CCB1	Nitrate as N	0.00730	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K05001-CCB1	Sulfate as SO4	0.252	0.109	1.00	mg/L	*J*	EPA 300.0
PBYJ	4110405-BLK1	Nitrate as N	0.00640	0.00518	0.0500	mg/L	*J*	EPA 300.0
PBYJ	4110405-BLK1	Sulfate as SO4	0.249	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K05001-CCB2	Nitrate as N	0.00600	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K05001-CCB2	Sulfate as SO4	0.241	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K05001-CCB3	Nitrate as N	0.00600	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K05001-CCB3	Sulfate as SO4	0.250	0.109	1.00	mg/L	*J*	EPA 300.0

BLANKS

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K05008 Instrument ID: Spec 21D

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K05008-ICB1	Ferrous Iron	-0.0200	0.0266	0.400	mg/L	*U*	SM3500-FE-B
PBYN	4110504-BLK1	Ferrous Iron		0.0266	0.400	mg/L	*U*	SM3500-FE-B
CCB	4K05008-CCB1	Ferrous Iron	-0.0100	0.0266	0.400	mg/L	*U*	SM3500-FE-B
CCB	4K05008-CCB2	Ferrous Iron	-0.0200	0.0266	0.400	mg/L	*U*	SM3500-FE-B

BLANKS

SM3500-FE-B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K06004 Instrument ID: Spec 21D

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K06004-ICB1	Ferrous Iron	-0.0300	0.0266	0.400	mg/L	*J*	SM3500-FE-B
PBYQ	4110601-BLK1	Ferrous Iron	-0.0300	0.0266	0.400	mg/L	*J*	SM3500-FE-B
CCB	4K06004-CCB1	Ferrous Iron	-0.0200	0.0266	0.400	mg/L	*U*	SM3500-FE-B

BLANKS

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K07001 Instrument ID: Omnion Prime

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K07001-ICB1	Nitrate as N	0.00650	0.00518	0.0500	mg/L	*J*	EPA 300.0
ICB	4K07001-ICB1	Sulfate as SO4	0.296	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K07001-CCB1	Nitrate as N	0.0299	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K07001-CCB1	Sulfate as SO4	0.303	0.109	1.00	mg/L	*J*	EPA 300.0
PBYO	4110505-BLK1	Nitrate as N	0.00590	0.00518	0.0500	mg/L	*J*	EPA 300.0
PBYO	4110505-BLK1	Sulfate as SO4	0.359	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K07001-CCB2	Nitrate as N	0.00570	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K07001-CCB2	Sulfate as SO4	0.355	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K07001-CCB3	Nitrate as N	0.00440	0.00518	0.0500	mg/L	*U*	EPA 300.0
CCB	4K07001-CCB3	Sulfate as SO4	0.374	0.109	1.00	mg/L	*J*	EPA 300.0

BLANKS

SM5310B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K07010 Instrument ID: Shimadzu TOC

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K07010-ICB1	Total Organic (	0.00	0.224	1.00	mg/L	*U*	SM5310B
CCB	4K07010-CCB1	Total Organic (	0.174	0.224	1.00	mg/L	*U*	SM5310B
PBRU	4110609-BLK1	Total Organic (		0.224	1.00	mg/L	*U*	SM5310B
CCB	4K07010-CCB2	Total Organic (	0.182	0.224	1.00	mg/L	*U*	SM5310B
CCB	4K07010-CCB3	Total Organic (	0.208	0.224	1.00	mg/L	*U*	SM5310B
CCB	4K07010-CCB4	Total Organic (	0.152	0.224	1.00	mg/L	*U*	SM5310B

BLANKS

EPA 300.0

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K10001 Instrument ID: Omnion Prime

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K10001-ICB1	Nitrate as N	0.00700	0.00518	0.0500	mg/L	*J*	EPA 300.0
ICB	4K10001-ICB1	Sulfate as SO4	0.250	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K10001-CCB1	Nitrate as N	0.00650	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K10001-CCB1	Sulfate as SO4	0.258	0.109	1.00	mg/L	*J*	EPA 300.0
PBYT	4110718-BLK1	Nitrate as N	0.00650	0.00518	0.0500	mg/L	*J*	EPA 300.0
PBYT	4110718-BLK1	Sulfate as SO4	0.255	0.109	1.00	mg/L	*J*	EPA 300.0
CCB	4K10001-CCB2	Nitrate as N	0.00690	0.00518	0.0500	mg/L	*J*	EPA 300.0
CCB	4K10001-CCB2	Sulfate as SO4	0.264	0.109	1.00	mg/L	*J*	EPA 300.0

BLANKS

EPA 310.2

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Sequence: 4K17009 Instrument ID: LACHATC2

Client ID	Lab Sample ID	Analyte	Found	MDL	RL	Units	Q	Method
ICB	4K17009-ICB1	Alkalinity	1.94	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB1	Alkalinity	1.91	0.926	10.0	mg/L	*J*	EPA 310.2
PBZI	4111702-BLK1	Alkalinity	2.11	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB2	Alkalinity	2.54	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB3	Alkalinity	3.51	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB4	Alkalinity	2.25	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB5	Alkalinity	2.62	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB6	Alkalinity	3.38	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB7	Alkalinity	3.46	0.926	10.0	mg/L	*J*	EPA 310.2
CCB	4K17009-CCB8	Alkalinity	2.21	0.926	10.0	mg/L	*J*	EPA 310.2

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11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411002

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411002
Sdg: 1411002

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411002-01	MW-9	Water	11/03/2014 16:15	11/04/2014 09:00
1411002-02	MW-20	Water	11/03/2014 15:15	11/04/2014 09:00
1411002-03	MW-7	Water	11/03/2014 13:40	11/04/2014 09:00
1411002-04	MW-14	Water	11/03/2014 15:40	11/04/2014 09:00
1411002-05	MW-8	Water	11/03/2014 13:50	11/04/2014 09:00
1411002-06	TB-1	Water	11/03/2014 00:00	11/04/2014 09:00
1411002-07	MW-18	Water	11/04/2014 10:28	11/05/2014 09:00
1411002-08	MW-3	Water	11/04/2014 12:55	11/05/2014 09:00
1411002-09	MW-16	Water	11/04/2014 14:20	11/05/2014 09:00
1411002-10	MW-17	Water	11/04/2014 16:35	11/05/2014 09:00
1411002-11	MW-4	Water	11/04/2014 09:40	11/05/2014 09:00
1411002-12	MW-19	Water	11/04/2014 11:35	11/05/2014 09:00
1411002-13	MW-11	Water	11/04/2014 12:50	11/05/2014 09:00
1411002-14	MW-2	Water	11/04/2014 14:40	11/05/2014 09:00
1411002-15	DUP-1	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-16	MW-15	Water	11/04/2014 16:05	11/05/2014 09:00
1411002-17	TB-2	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-18	TB-2A	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-19	MW-5	Water	11/05/2014 14:00	11/06/2014 08:30
1411002-20	MW-13	Water	11/05/2014 13:20	11/06/2014 08:30
1411002-21	MW-1	Water	11/05/2014 11:00	11/06/2014 08:30

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411002

Client Sample Id:	Analysis:	Lab Sample Id:
MW-9	RSK 175	1411002-01
MW-20	RSK 175	1411002-02
MW-7	RSK 175	1411002-03
MW-14	RSK 175	1411002-04
MW-8	RSK 175	1411002-05
MW-8	RSK 175	1411002-05RE1
MW-18	RSK 175	1411002-07
MW-3	RSK 175	1411002-08
MW-16	RSK 175	1411002-09
MW-16	RSK 175	1411002-09RE1
MW-17	RSK 175	1411002-10
MW-4	RSK 175	1411002-11
MW-19	RSK 175	1411002-12
MW-11	RSK 175	1411002-13
MW-2	RSK 175	1411002-14
MW-2	RSK 175	1411002-14RE1
MW-15	RSK 175	1411002-16
MW-5	RSK 175	1411002-19
MW-13	RSK 175	1411002-20
MW-1	RSK 175	1411002-21

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Ken Grzybowski

Date: 11/19/2014 Title: President

CompuChem
A Division Of
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501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem

A division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1411002
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: MW-9, MW-20, MW-7, MW-14, MW-8, MW-18, MW-3, MW-16, MW-17, MW-4, MW-19, MW-11, MW-2, MW-15, MW-5, MW-13 and MW-1

The 17 aqueous samples listed above were received intact, properly refrigerated between 0.3°C to 2.4°C, with proper documentation, in sealed shipping containers, on November 4, 5 and 6, 2014. The samples were scheduled for the requested analysis by Method RSK-175. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1411002 included in the sample data sections.

The samples were prepped and analyzed within the method holding time.

Methane was present above the reporting limits in 14 of the samples.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The method blanks associated with the samples met all quality control criteria.

The Laboratory Control Samples (LCS/LCSD) that were prepared and analyzed with the samples met recovery criteria.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Kenneth Grzybowski
President
November 19, 2014

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
DRO/ORO	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
√	Restek	clpest	0.32	0.5	30
√	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
RSK	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
GRO	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
√	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
√	Restek	RTX-5Sil MS	0.32	0.25	30
	HPLC Laboratory				
PAH	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
PAH	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
EXP	Restek	Pinnacle Cyano	4.6	5.0	25 cm
EXP	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
√	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 30

This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semivolatiles, pesticides, and Aroclors by the requested analytical methods. Please see the SDG Narrative(s) for the specific fraction(s) relative to this SDG.
Note: This table also contains HPLC columns.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC/HPLC chemists. An Extracted Ion Current Profile (EICP) or a GC/HPLC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC/HPLC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak. The most common reasons for performing manual integrations/editing are: the compound was not found by the automatic integration routine, the compound was incorrectly integrated by the automatic integration routine, and the co-eluting compounds were incorrectly integrated by the automatic integration routine.

H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

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L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

ORGANIC DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on the appropriate reporting form for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 μg/L, but a concentration of 3 μg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85%), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The <u>lower</u> of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the <u>lower</u> of the two values is reported and flagged with a P on the reporting form. When the RPD is equal to or less than 40%, our policy is to also report the <u>lower</u> of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the <u>higher</u> of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on the appropriate reporting form for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the appropriate reporting form for the more diluted sample, and **all** reported concentrations on that form are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate reporting forms are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single reporting form.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an “S” flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor. The “S” flag is not utilized for non CLP analyses.

* This flag is applied to a target analyte when any QC acceptance criterion has not been met for that analyte. The flag appears on the reporting form of the associated QC analysis.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

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Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28716
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene BSK 175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use): T. Fe & Mg	TOC	sulfide		
1411002-01	MW-9	11/3/14	1615	GW	11	X		X	X		2A acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9		
-02	MW-20	↓	1515	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-03	MW-7	↓	1340	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-04	MW-14	↓	1540	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-05	MW-8	↓	1350	↓	↓	↓		↓	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9		
-06	TB-1	/	/	DI	3							X														

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Clay Fussell	Date/Time: 11/4/14 730	Received by: CompuChem	Date/Time: 11/4/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.4, 1.0 °C

VOA in this cooler

direct delivery from client

IR GUN: SN0010

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

28409

Page 1 of 2

CHAIN OF CUSTODY

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Environmental Testing Laboratories

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S2			pH / Sample Info (Lab Use): T Fe & Mg	TOC	Sulfide
141100207	MW-18	11/4/14	1028	GW	11	X		X	X		Zn acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-08	MW-3		1255																			<2	<2	>9
-09	MW-16		1420																			<2	<2	>9
-10	MW-17		1635																			<2	<2	>9
-11	MW-4		940																			<2	<2	7
-12	MW-19		1135																			<2	<2	7
-13	MW-11		1250																			<2	<2	>9
-14	MW-2		1440																			<2	<2	8
-15	Dup-1		—		3							X										—	—	—
-16	MW-15		1605		11							X	X	X	X	X	X	X	X			<2	<2	>9

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By: [signature]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Dup-1: VOCs - unpreserved

Sample Custody

Relinquished by: CL Fussell	Date/Time: 11/5/14 @ 0900	Received by: R. Eaton CompuChem	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3, 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

direct delivery from client

IR GUN: SN0010

CompuChem
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Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

27599
Page 2 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - KES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC 300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use)
1411002-17	TB-2	/	/	DI	3							X										
1411002-18	TB-2A	assoc. w/ only MW-11 from cooler (all other VOAs were in cooler w/ "TB-2") spoke w/ Jody concerning TB's																				

11/05/14

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/5/14 0900	Received by: COMPUCHEM	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

direct delivery from client

White & Yellow copy to lab • Pink copy for customer

ID	pH
MW-4	7
MW-19	7
MW-2	8

CompuChem
A Division Of
Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # see chart
Case # _____
Type of Analysis Sulfide
Receipt Date 11/5/14

The pH reading for the sample above was see chart: the required pH level is <2.

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓ per Jody Overmyer @ 11/5/14

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 11/5/14

Preservation Type Zn Acetate/6N NaOH Preservative Lot Number 3L16031/4C27024

Preserved By [signature] Date 11/5/14

QAN-R-2
100319

QAN-R-2:031910:jad

CompuChem
A Division Of
Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28410
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK 175	TOC SM 5310 B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use): T. Nitrate	TOC	sulfide
1411002-19	MW-5	11/5/14	1400	GW	11	X		X	X		2ml acetic NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-20	MW-13	11/5/14	1320	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
-21	MW-1	11/5/14	1100	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
—	TB-3 *	/	/	DI	3							X	* trip blank not included in cooler w/ samples											

11/6/14

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/6/14 0820	Received by:	Date/Time: 11/6/14 0830
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 1.2 °C

Samples stored 60 days after date report mailed at no extra charge.

Direct delivery from client

White & Yellow copy to lab • Pink copy for customer

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-01 MW-9 [Water] Sampled 11/03/2014 16:15 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 16:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
1411002-02 MW-20 [Water] Sampled 11/03/2014 15:15 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-03 MW-7 [Water] Sampled 11/03/2014 13:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
1411002-04 MW-14 [Water] Sampled 11/03/2014 15:40 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Batched**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-05 MW-8 [Water] Sampled 11/03/2014 13:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:50	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
1411002-06 TB-1 [Water] Sampled 11/03/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 00:00	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-07 MW-18 [Water] Sampled 11/04/2014 10:28 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 10:28	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-08 MW-3 [Water] Sampled 11/04/2014 12:55 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:55	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-09 MW-16 [Water] Sampled 11/04/2014 14:20 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:20	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-10 MW-17 [Water] Sampled 11/04/2014 16:35 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-11 MW-4 [Water] Sampled 11/04/2014 09:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 09:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-12 MW-19 [Water] Sampled 11/04/2014 11:35 Eastern					
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 11:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-13 MW-11 [Water] Sampled 11/04/2014 12:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:50	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Prepared**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-14 MW-2 [Water] Sampled 11/04/2014 14:40 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-15 DUP-1 [Water] Sampled 11/04/2014 00:00 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-16 MW-15 [Water] Sampled 11/04/2014 16:05 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:05	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-17 TB-2 [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-18 TB-2A [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK*ASSOC. WITH MW-11 ONLY**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-19 MW-5 [Water] Sampled 11/05/2014 14:00 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 14:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
1411002-20 MW-13 [Water] Sampled 11/05/2014 13:20 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/04/2015 13:20	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-21 MW-1 [Water] Sampled 11/05/2014 11:00 Eastern					
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 11:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

LCS / LCS DUPLICATE SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110502-BS1 Matrix: Water Client ID: PLCSAB Batch: 4110502

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetylene	9.323	7.111	76		50 - 150
Ethane	10.74	12.12	113		61 - 134
Ethene	10.02	11.10	111		58 - 129
Methane	5.730	6.013 B	105		58 - 120

LCS / LCS DUPLICATE SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110502-BSD1 Matrix: Water Client ID: PLCSDAB Batch: 4110502

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetylene	9.323	6.705	72	6	20		50 - 150
Ethane	10.74	13.01	121	7	20		61 - 134
Ethene	10.02	11.80	118	6	20		58 - 129
Methane	5.730	6.432 B	112	7	20		58 - 120

LCS / LCS DUPLICATE SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111803-BS1 Matrix: Water Client ID: PLCSSL Batch: 4111803

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetylene	9.323	7.369	79		50 - 150
Ethane	10.74	12.19	114		61 - 134
Ethene	10.02	11.21	112		58 - 129
Methane	5.730	6.076	106		58 - 120

LCS / LCS DUPLICATE SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111803-BSD1 Matrix: Water Client ID: PLCSDSL Batch: 4111803

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetylene	9.323	6.847	73	7	20		50 - 150
Ethane	10.74	12.12	113	0.6	20		61 - 134
Ethene	10.02	11.06	110	1	20		58 - 129
Methane	5.730	6.040	105	0.6	20		58 - 120

PREPARATION BATCH SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110502 Matrix: Water Preparation: GC-RSK

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/05/14 09:51	1.00	1.00
MW-20	1411002-02	11/05/14 09:51	1.00	1.00
MW-7	1411002-03	11/05/14 09:51	1.00	1.00
MW-14	1411002-04	11/05/14 09:51	1.00	1.00
MW-8	1411002-05	11/05/14 09:51	1.00	1.00
MW-8DL	1411002-05RE1	11/05/14 09:51	1.00	1.00
PBLKAB	4110502-BLK1	11/05/14 09:51	1.00	1.00
PLCSAB	4110502-BS1	11/05/14 09:51	1.00	1.00
PLCSDAB	4110502-BSD1	11/05/14 09:51	1.00	1.00

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PREPARATION BATCH SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4111803 Matrix: Water Preparation: GC-RSK

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-18	1411002-07	11/18/14 09:21	1.00	1.00
MW-3	1411002-08	11/18/14 09:21	1.00	1.00
MW-16	1411002-09	11/18/14 09:21	1.00	1.00
MW-16DL	1411002-09RE1	11/18/14 09:21	1.00	1.00
MW-17	1411002-10	11/18/14 09:21	1.00	1.00
MW-4	1411002-11	11/18/14 09:21	1.00	1.00
MW-19	1411002-12	11/18/14 09:21	1.00	1.00
MW-11	1411002-13	11/18/14 09:21	1.00	1.00
MW-2	1411002-14	11/18/14 09:21	1.00	1.00
MW-2DL	1411002-14RE1	11/18/14 09:21	1.00	1.00
MW-15	1411002-16	11/18/14 09:21	1.00	1.00
MW-5	1411002-19	11/18/14 09:21	1.00	1.00
MW-13	1411002-20	11/18/14 09:21	1.00	1.00
MW-1	1411002-21	11/18/14 09:21	1.00	1.00
PBLKSL	4111803-BLK1	11/18/14 09:21	1.00	1.00
PLCSSL	4111803-BS1	11/18/14 09:21	1.00	1.00
PLCSDSL	4111803-BSD1	11/18/14 09:21	1.00	1.00

ANALYSIS DATA SHEET

RSK 175

MW-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 240x1411002-21.d Sampled: 11/05/14 11:00

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-21 Received: 11/06/14 08:30

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:53

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	9.0	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-11

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 235x1411002-13.d Sampled: 11/04/14 12:50

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-13 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:15

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	0.64	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-13

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 239x1411002-20.d Sampled: 11/05/14 13:20

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-20 Received: 11/06/14 08:30

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:46

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	0.54	0.048	0.58		*J*

DL2 - 15A NCAC 02L .0202

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RSK 175

MW-14

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 197x1411002-04.d Sampled: 11/03/14 15:40

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-04 Received: 11/04/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 11:35

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	1.5	0.048	0.58		*B*

DL2 - 15A NCAC 02L .0202

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RSK 175

MW-15

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 237x1411002-16.d Sampled: 11/04/14 16:05

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-16 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:30

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	9.8	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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RSK 175

MW-16

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 231x1411002-09.d Sampled: 11/04/14 14:20

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-09 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 10:44

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-16DL

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 245x1411002-09.d Sampled: 11/04/14 14:20

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-09RE1 Received: 11/05/14 09:00

Dilution: 20 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 13:18

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	390	0.96	12		*D*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

MW-17

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 232x1411002-10.d Sampled: 11/04/14 16:35

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-10 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 10:52

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	14	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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RSK 175

MW-18

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 229x1411002-07.d Sampled: 11/04/14 10:28

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-07 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 10:30

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	1.6	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-19

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 234x1411002-12.d Sampled: 11/04/14 11:35

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-12 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:07

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane	0.28	0.14	1.1		*J*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	2.5	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 236x1411002-14.d Sampled: 11/04/14 14:40

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-14 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:23

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene	0.82	0.15	1.0		*J*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

MW-20

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 195x1411002-02.d Sampled: 11/03/14 15:15

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-02 Received: 11/04/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 11:20

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	5.7	0.048	0.58		*B*

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-2DL

Client:	SOLUTIONS-IES, INC.	SDG	1411002	Project:	EATON SELMA-2013.0014/4		
Matrix:	Water	Extraction:	GC-RSK	File ID:	246x1411002-14.d	Sampled:	11/04/14 14:40
Initial/Final:	1mL / 1mL	Sulfur Cleanup:	N	Lab ID:	1411002-14RE1	Received:	11/05/14 09:00
Dilution:	100	pH:		Florisil Cleanup:	N	Prepared:	11/18/14 09:21
% Moisture:	NA	GPC Cleanup:	N	GPC Cleanup Factor:	N	Analyzed:	11/18/14 13:24
Batch:	4111803	Sequence:	4K18002	Calibration:	4081204	Instrument:	varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	700	4.8	58		*D*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

MW-3

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 230x1411002-08.d Sampled: 11/04/14 12:55

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-08 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 10:36

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	6.5	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-4

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 233x1411002-11.d Sampled: 11/04/14 09:40

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-11 Received: 11/05/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 10:59

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	3.4	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-5

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 238x1411002-19.d Sampled: 11/05/14 14:00

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-19 Received: 11/06/14 08:30

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 11:38

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	5.3	0.048	0.58		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-7

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 196x1411002-03.d Sampled: 11/03/14 13:40

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-03 Received: 11/04/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 11:27

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	0.54	0.048	0.58		*JB*

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-8

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 198x1411002-05.d Sampled: 11/03/14 13:50

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-05 Received: 11/04/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 11:43

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

MW-8DL

Client:	SOLUTIONS-IES, INC.	SDG	1411002	Project:	EATON SELMA-2013.0014/4		
Matrix:	Water	Extraction:	GC-RSK	File ID:	219x1411002-05.d	Sampled:	11/03/14 13:50
Initial/Final:	1mL / 1mL	Sulfur Cleanup:	N	Lab ID:	1411002-05RE1	Received:	11/04/14 09:00
Dilution:	20	pH:		Florisil Cleanup:	N	Prepared:	11/05/14 09:51
% Moisture:	NA	GPC Cleanup:	N	GPC Cleanup Factor:	N	Analyzed:	11/05/14 15:50
Batch:	4110502	Sequence:	4K05004	Calibration:	4081204	Instrument:	varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	690	0.96	12		*BD*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

MW-9

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 194x1411002-01.d Sampled: 11/03/14 16:15

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411002-01 Received: 11/04/14 09:00

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 11:14

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*
74-82-8	Methane	0.41	0.048	0.58		*JB*

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

PBLKAB

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 191x4110502-BLK1.d QC Type: Blank

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4110502-BLK1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 10:25

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene		1.0	1.0	U
74-84-0	Ethane		0.14	1.1	U
74-85-1	Ethene		0.15	1.0	U
74-82-8	Methane	0.31	0.048	0.58	J

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ANALYSIS DATA SHEET

RSK 175

PBLKSL

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 226x4111803-BLK1.d QC Type: Blank

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4111803-BLK1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 09:45

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene		1.0	1.0	U
74-84-0	Ethane		0.14	1.1	U
74-85-1	Ethene		0.15	1.0	U
74-82-8	Methane		0.048	0.58	U

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ANALYSIS DATA SHEET

RSK 175

PLCSAB

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 192x4110502-BS1.d QC Type: LCS

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4110502-BS1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 10:31

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene	7.111	1.0	1.0	
74-84-0	Ethane	12.12	0.14	1.1	
74-85-1	Ethene	11.10	0.15	1.0	
74-82-8	Methane	6.013	0.048	0.58	B

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RSK 175

PLCSDAB

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 193x4110502-BSD1.d QC Type: LCS Dup

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4110502-BSD1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/05/14 09:51

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/05/14 10:39

Batch: 4110502 Sequence: 4K05004 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene	6.705	1.0	1.0	
74-84-0	Ethane	13.01	0.14	1.1	
74-85-1	Ethene	11.80	0.15	1.0	
74-82-8	Methane	6.432	0.048	0.58	B

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ANALYSIS DATA SHEET

RSK 175

PLCSSL

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 227x4111803-BS1.d QC Type: LCS

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4111803-BS1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 09:51

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene	7.369	1.0	1.0	
74-84-0	Ethane	12.19	0.14	1.1	
74-85-1	Ethene	11.21	0.15	1.0	
74-82-8	Methane	6.076	0.048	0.58	

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RSK 175

PLCSDSL

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 228x4111803-BSD1.d QC Type: LCS Dup

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4111803-BSD1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 09:59

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene	6.847	1.0	1.0	
74-84-0	Ethane	12.12	0.14	1.1	
74-85-1	Ethene	11.06	0.15	1.0	
74-82-8	Methane	6.040	0.048	0.58	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CompuChem

A Division Of

Liberty Analytical Corp.

11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411002

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411002
Sdg: 1411002

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411002-01	MW-9	Water	11/03/2014 16:15	11/04/2014 09:00
1411002-02	MW-20	Water	11/03/2014 15:15	11/04/2014 09:00
1411002-03	MW-7	Water	11/03/2014 13:40	11/04/2014 09:00
1411002-04	MW-14	Water	11/03/2014 15:40	11/04/2014 09:00
1411002-05	MW-8	Water	11/03/2014 13:50	11/04/2014 09:00
1411002-06	TB-1	Water	11/03/2014 00:00	11/04/2014 09:00
1411002-07	MW-18	Water	11/04/2014 10:28	11/05/2014 09:00
1411002-08	MW-3	Water	11/04/2014 12:55	11/05/2014 09:00
1411002-09	MW-16	Water	11/04/2014 14:20	11/05/2014 09:00
1411002-10	MW-17	Water	11/04/2014 16:35	11/05/2014 09:00
1411002-11	MW-4	Water	11/04/2014 09:40	11/05/2014 09:00
1411002-12	MW-19	Water	11/04/2014 11:35	11/05/2014 09:00
1411002-13	MW-11	Water	11/04/2014 12:50	11/05/2014 09:00
1411002-14	MW-2	Water	11/04/2014 14:40	11/05/2014 09:00
1411002-15	DUP-1	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-16	MW-15	Water	11/04/2014 16:05	11/05/2014 09:00
1411002-17	TB-2	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-18	TB-2A	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-19	MW-5	Water	11/05/2014 14:00	11/06/2014 08:30
1411002-20	MW-13	Water	11/05/2014 13:20	11/06/2014 08:30
1411002-21	MW-1	Water	11/05/2014 11:00	11/06/2014 08:30

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411002

Client Sample Id:	Analysis:	Lab Sample Id:
MW-9	SW 8260B	1411002-01
MW-20	SW 8260B	1411002-02
MW-7	SW 8260B	1411002-03
MW-14	SW 8260B	1411002-04
MW-14	SW 8260B	1411002-04RE1
MW-8	SW 8260B	1411002-05
TB-1	SW 8260B	1411002-06
MW-18	SW 8260B	1411002-07
MW-3	SW 8260B	1411002-08
MW-16	SW 8260B	1411002-09
MW-17	SW 8260B	1411002-10
MW-4	SW 8260B	1411002-11
MW-19	SW 8260B	1411002-12
MW-11	SW 8260B	1411002-13
MW-2	SW 8260B	1411002-14
DUP-1	SW 8260B	1411002-15
MW-15	SW 8260B	1411002-16
TB-2	SW 8260B	1411002-17
TB-2A	SW 8260B	1411002-18
MW-5	SW 8260B	1411002-19
MW-13	SW 8260B	1411002-20
MW-1	SW 8260B	1411002-21

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Chip Cray1

Date: 11/20/2014 Title: Database Administrator

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501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem
A division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1411002
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS:

			MW-9	MW-20	MW-7	MW-14
MW-8	TB-1	MW-3	MW-16	MW-18	MW-17	MW-4
MW-19	MW-11	MW-2	DUP-1	MW-15	TB-2	TB-2A
MW-5	MW-13	MW-1				

The 21 aqueous samples listed above were received intact, refrigerated at 0.3°C and 2.4°C, with proper documentation, in sealed shipping containers, November 4, 5 and 6, 2014. The samples listed above were scheduled for the requested analysis of the volatile fraction only. SW-846, 3rd Edition, Update 3, 8260B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices are included in the sample data sections.

VOLATILES

Analysis holding time requirements were met for all of the samples with the following exception. The reanalysis of sample MW-14 was analyzed 2.5 hours outside of analysis holding time. The pH values of these samples ranged from 2 to 9.

Volatile Project/Target Compound List (TCL) analytes were identified above the Contract Required Quantitation Limit (CRQL) in these samples. Samples MW-9, MW-20, MW-7, MW-8, MW-3, MW-16, MW-18, MW-17, MW-4, MW-19, MW-2, DUP-1, MW-5, MW-13 and MW-1 were originally analyzed at a dilution due to the results of a Screen.

Manual integrations were performed in this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of the samples with the following exceptions. In the analysis of sample MW-14, the recovery of the surrogate, Dibromofluoromethane, was biased low. Sample MW-14 was reanalyzed 2.5 hours outside of analysis holding time. We have reported both analyses of sample MW-14. All of the internal standards met response and retention time criteria in the analyses of the samples.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG.

All QC criteria were met for all initial, second-source and continuing calibration standards associated to this SDG.

The associated method blanks met all quality control criteria.

Duplicate matrix spikes were not requested with this SDG. The associated duplicate matrix spikes met most of the advisory accuracy and precision criteria. The associated Laboratory Control Samples (LCS/LCSD) met all quality control criteria.

I certify that this data package complies with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Quentisha Forrester
Chemist III
November 17, 2014

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
DRO/ORO	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
√	Restek	clpest	0.32	0.5	30
√	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
RSK	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
GRO	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
√	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
√	Restek	RTX-5Sil MS	0.32	0.25	30
	HPLC Laboratory				
PAH	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
PAH	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
EXP	Restek	Pinnacle Cyano	4.6	5.0	25 cm
EXP	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
√	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 30

This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semivolatiles, pesticides, and Aroclors by the requested analytical methods. Please see the SDG Narrative(s) for the specific fraction(s) relative to this SDG.
Note: This table also contains HPLC columns.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC/HPLC chemists. An Extracted Ion Current Profile (EICP) or a GC/HPLC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC/HPLC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak. The most common reasons for performing manual integrations/editing are: the compound was not found by the automatic integration routine, the compound was incorrectly integrated by the automatic integration routine, and the co-eluting compounds were incorrectly integrated by the automatic integration routine.

H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

ORGANIC DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on the appropriate reporting form for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 μg/L, but a concentration of 3 μg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85%), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The <u>lower</u> of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the <u>lower</u> of the two values is reported and flagged with a P on the reporting form. When the RPD is equal to or less than 40%, our policy is to also report the <u>lower</u> of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the <u>higher</u> of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on the appropriate reporting form for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the appropriate reporting form for the more diluted sample, and **all** reported concentrations on that form are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate reporting forms are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single reporting form.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an “S” flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor. The “S” flag is not utilized for non CLP analyses.

* This flag is applied to a target analyte when any QC acceptance criterion has not been met for that analyte. The flag appears on the reporting form of the associated QC analysis.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28716
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene BSK 175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use): T. Fe & Mg	TOC	sulfide		
1411002-01	MW-9	11/3/14	1615	GW	11	X		X	X		2A acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9		
-02	MW-20		1515																			<2	<2	>9		
-03	MW-7		1340																			<2	<2	>9		
-04	MW-14		1540																			<2	<2	>9		
-05	MW-8		1350																			<2	<2	>9		
-06	TB-1			DI	3							X														

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Clay Fussell	Date/Time: 11/4/14 730	Received by: CompuChem	Date/Time: 11/4/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice? Y or N

Cooler Temp: 2.4, 1.0 °C
VOA in this cooler
direct delivery from client
IR GUN: SN0010

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

28409

Page 1 of 2

CHAIN OF CUSTODY

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Environmental Testing Laboratories

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S2			pH / Sample Info (Lab Use): T Fe & Mg	TOC	Sulfide
141100207	MW-18	11/4/14	1028	GW	11	X		X	X		Zn acetate NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-08	MW-3		1255																			<2	<2	>9
-09	MW-16		1420																			<2	<2	>9
-10	MW-17		1635																			<2	<2	>9
-11	MW-4		940																			<2	<2	7
-12	MW-19		1135																			<2	<2	7
-13	MW-11		1250																			<2	<2	>9
-14	MW-2		1440																			<2	<2	8
-15	Dup-1		—		3							X										—	—	—
-16	MW-15		1605		11							X	X	X	X	X	X	X	X			<2	<2	>9

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By: [signature]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments: Dup-1: VOCs - unpreserved

Sample Custody

Relinquished by: CL Fussell	Date/Time: 11/5/14 @ 0900	Received by: R. Eaton CompuChem	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3, 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

direct delivery from client

IR GUN: SN0010

CompuChem
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Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

27599
Page 2 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions - KES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma 2013.0014
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC 300	Fe+2 SM3500-Fe B	Fe total, Mg total 6010	Methane, Ethane, Ethene, acetylene RSK175	TOC 5310B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use)
1411002-17	TB-2	/	/	DI	3							X										
1411002-18	TB-2A	assoc. w/ only MW-11 from cooler (all other VOAs were in cooler w/ "TB-2") spoke w/ Jody concerning TB's 11/05/14																				

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/5/14 0900	Received by: COMPUCHEM	Date/Time: 11/5/14 0900
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

direct delivery from client

White & Yellow copy to lab • Pink copy for customer

ID	pH
MW-4	7
MW-19	7
MW-2	8

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Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # see chart
Case # _____
Type of Analysis Sulfide
Receipt Date 11/5/14

The pH reading for the sample above was see chart: the required pH level is <2.

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓ per Jody Overmyer @ 11/5/14

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 11/5/14

Preservation Type Zn Acetate/6N NaOH Preservative Lot Number 3L16031/4C27024

Preserved By [signature] Date 11/5/14

QAN-R-2
100319

QAN-R-2:031910:jad

CompuChem
A Division Of
Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28410
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: Std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Nitrate, Sulfate IC300	Fe+2 SM3500-Fe B	Fe total Mg total 6010	Methane, Ethane, acetylene RSK 175	TOC SM 5310 B	Alkalinity 310.2	Sulfide SM4500-S F			pH / Sample Info (Lab Use): T. Nitrite	TOC	sulfide
1411002-19	MW-5	11/5/14	1400	GW	11	X		X	X		2N acetic NaOH	X	X	X	X	X	X	X	X			<2	<2	>9
-20	MW-13	11/5/14	1320	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
-21	MW-1	11/5/14	1100	GW	11	X		X	X		↓	↓	↓	↓	↓	↓	↓	↓	↓			<2	<2	>9
—	TB-3 *	/	/	DI	3							X	* trip blank not included in cooler w/ samples											

CD 11/6/14

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:
Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/6/14 0820	Received by: ~~0900~~	Date/Time: 11/6/14 0830
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 1.2 °C

Samples stored 60 days after date report mailed at no extra charge.

Direct delivery from client

White & Yellow copy to lab • Pink copy for customer

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-01 MW-9 [Water] Sampled 11/03/2014 16:15 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 16:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 16:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
1411002-02 MW-20 [Water] Sampled 11/03/2014 15:15 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:15	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:15	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-03 MW-7 [Water] Sampled 11/03/2014 13:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
1411002-04 MW-14 [Water] Sampled 11/03/2014 15:40 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/02/2015 15:40	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 15:40	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08

WORK ORDER

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1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Batched**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-05 MW-8 [Water] Sampled 11/03/2014 13:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/17/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/10/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/01/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/27/2014 13:50	11/04/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/02/2015 13:50	11/04/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
1411002-06 TB-1 [Water] Sampled 11/03/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/19/2014 16:00	13	11/10/2014 00:00	11/04/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-07 MW-18 [Water] Sampled 11/04/2014 10:28 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 10:28	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 10:28	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-08 MW-3 [Water] Sampled 11/04/2014 12:55 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:55	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:55	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-09 MW-16 [Water] Sampled 11/04/2014 14:20 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:20	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:20	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Analyzed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-10 MW-17 [Water] Sampled 11/04/2014 16:35 Eastern					
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-11 MW-4 [Water] Sampled 11/04/2014 09:40 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 09:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 09:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-12 MW-19 [Water] Sampled 11/04/2014 11:35 Eastern					
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/03/2015 11:35	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 11:35	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-13 MW-11 [Water] Sampled 11/04/2014 12:50 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 12:50	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 12:50	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Prepared**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-14 MW-2 [Water] Sampled 11/04/2014 14:40 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 14:40	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 14:40	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
1411002-15 DUP-1 [Water] Sampled 11/04/2014 00:00 Eastern					
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-16 MW-15 [Water] Sampled 11/04/2014 16:05 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
IC 300 Anions	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/03/2015 16:05	11/05/2014 09:00	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/28/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -FERROUS IRON (08
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/02/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
ALKALINITY 310.2	11/19/2014 16:00	13	11/18/2014 16:05	11/05/2014 09:00	SubList(NCAC 2L)=WC -ALK (08-14-14)
1411002-17 TB-2 [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411002-18 TB-2A [Water] Sampled 11/04/2014 00:00 Eastern					**TRIP BLK*ASSOC. WITH MW-11 ONLY**
VOA-8260B 25ML	11/19/2014 16:00	13	11/11/2014 00:00	11/05/2014 09:00	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Received**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-19 MW-5 [Water] Sampled 11/05/2014 14:00 Eastern					
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 14:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 14:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
1411002-20 MW-13 [Water] Sampled 11/05/2014 13:20 Eastern					
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 13:20	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
6010C METALS	11/19/2014 16:00	13	05/04/2015 13:20	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05

WORK ORDER

Printed: 11/8/2014 4:39:30PM

1411002

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411002** **CASE:**	**Status:**	**Reviewed**

Date Due:	11/19/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/06/2014 08:30
Logged In By:	Cathy Dover	Date Logged In:	11/04/2014 09:47

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC (WAITING ON MS/MSD)*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*6010C=Fe&Mg ONLY*IC 300=NO3/SO4*ALK*SULFIDE*TOC*FERROUS IRON-TAKE pH @ analyis time and record on bench sheet

Analysis	Due	TAT	Expires	Received	Comments
1411002-21 MW-1 [Water] Sampled 11/05/2014 11:00 Eastern					
FERROUS IRON 3500-FE B WATER	11/19/2014 16:00	13	11/29/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -FERROUS IRON (08
GC-RSK-175	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
VOA-8260B 25ML	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=VOC- SOL (08-05-14)
IC 300 Anions	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=IC -NO3-SO4 (08-14-14)
6010C METALS	11/19/2014 16:00	13	05/04/2015 11:00	11/06/2014 08:30	SubList(NCAC 2L)=MTL-SOL-SELMA (08-05
TTL ORGNC CRBN (TOC) SM5310B	11/19/2014 16:00	13	12/03/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -TOC SM5310B (08-1
ALKALINITY 310.2	11/19/2014 16:00	13	11/19/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -ALK (08-14-14)
SULFIDE SM4500S-2-F WATER	11/19/2014 16:00	13	11/12/2014 11:00	11/06/2014 08:30	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K07005 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
Blank (4110721-BLK1) ug/L				
Lab File ID: 4110721-BLK1R91.d	Analyzed: 11/07/14 19:20			
Dibromofluoromethane	5.000	99	65 - 150	
1,2-Dichloroethane-d4	5.000	100	59 - 150	
Toluene-d8	5.000	92	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
LCS (4110721-BS1) ug/L				
Lab File ID: 4110721-BS191.d	Analyzed: 11/07/14 20:02			
Dibromofluoromethane	5.000	95	65 - 150	
1,2-Dichloroethane-d4	5.000	95	59 - 150	
Toluene-d8	5.000	93	61 - 145	
Bromofluorobenzene	5.000	97	63 - 143	
LCS Dup (4110721-BSD1) ug/L				
Lab File ID: 4110721-BSD191.d	Analyzed: 11/07/14 20:31			
Dibromofluoromethane	5.000	96	65 - 150	
1,2-Dichloroethane-d4	5.000	94	59 - 150	
Toluene-d8	5.000	96	61 - 145	
Bromofluorobenzene	5.000	97	63 - 143	
MW-9 (1411002-01) ug/L				
Lab File ID: 1411002-0191.d	Analyzed: 11/07/14 21:39			
Dibromofluoromethane	5.000	100	65 - 150	
1,2-Dichloroethane-d4	5.000	98	59 - 150	
Toluene-d8	5.000	91	61 - 145	
Bromofluorobenzene	5.000	93	63 - 143	
MW-20 (1411002-02) ug/L				
Lab File ID: 1411002-0291.d	Analyzed: 11/07/14 22:08			
Dibromofluoromethane	5.000	102	65 - 150	
1,2-Dichloroethane-d4	5.000	102	59 - 150	
Toluene-d8	5.000	90	61 - 145	
Bromofluorobenzene	5.000	93	63 - 143	

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K07005 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
MW-7 (1411002-03) ug/L				
Lab File ID: 1411002-0391.d	Analyzed: 11/07/14 22:37			
Dibromofluoromethane	5.000	102	65 - 150	
1,2-Dichloroethane-d4	5.000	101	59 - 150	
Toluene-d8	5.000	90	61 - 145	
Bromofluorobenzene	5.000	92	63 - 143	
MW-14 (1411002-04) ug/L				
Lab File ID: 1411002-0491.d	Analyzed: 11/07/14 23:06			
Dibromofluoromethane	5.000	65	65 - 150	
1,2-Dichloroethane-d4	5.000	104	59 - 150	
Toluene-d8	5.000	91	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
MW-8 (1411002-05) ug/L				
Lab File ID: 1411002-0591.d	Analyzed: 11/07/14 23:36			
Dibromofluoromethane	5.000	102	65 - 150	
1,2-Dichloroethane-d4	5.000	102	59 - 150	
Toluene-d8	5.000	92	61 - 145	
Bromofluorobenzene	5.000	95	63 - 143	
TB-1 (1411002-06) ug/L				
Lab File ID: 1411002-0691.d	Analyzed: 11/08/14 00:05			
Dibromofluoromethane	5.000	101	65 - 150	
1,2-Dichloroethane-d4	5.000	103	59 - 150	
Toluene-d8	5.000	91	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
MW-3 (1411002-08) ug/L				
Lab File ID: 1411002-0891.d	Analyzed: 11/08/14 00:34			
Dibromofluoromethane	5.000	102	65 - 150	
1,2-Dichloroethane-d4	5.000	101	59 - 150	
Toluene-d8	5.000	94	61 - 145	
Bromofluorobenzene	5.000	95	63 - 143	

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K07005 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
MW-16 (1411002-09) ug/L				
Lab File ID: 1411002-0991.d	Analyzed: 11/08/14 01:02			
Dibromofluoromethane	5.000	101	65 - 150	
1,2-Dichloroethane-d4	5.000	100	59 - 150	
Toluene-d8	5.000	92	61 - 145	
Bromofluorobenzene	5.000	93	63 - 143	

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K10004 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
Blank (4111020-BLK1) ug/L				
Lab File ID: 4111020-BLK1R91.d	Analyzed: 11/10/14 15:14			
Dibromofluoromethane	5.000	98	65 - 150	
1,2-Dichloroethane-d4	5.000	97	59 - 150	
Toluene-d8	5.000	93	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
LCS (4111020-BS1) ug/L				
Lab File ID: 4111020-BS191.d	Analyzed: 11/10/14 15:53			
Dibromofluoromethane	5.000	97	65 - 150	
1,2-Dichloroethane-d4	5.000	97	59 - 150	
Toluene-d8	5.000	94	61 - 145	
Bromofluorobenzene	5.000	99	63 - 143	
LCS Dup (4111020-BSD1) ug/L				
Lab File ID: 4111020-BSD191.d	Analyzed: 11/10/14 16:23			
Dibromofluoromethane	5.000	96	65 - 150	
1,2-Dichloroethane-d4	5.000	98	59 - 150	
Toluene-d8	5.000	93	61 - 145	
Bromofluorobenzene	5.000	98	63 - 143	
MW-14 (1411002-04RE1) ug/L				
Lab File ID: 1411002-04R91.d	Analyzed: 11/10/14 17:32			
Dibromofluoromethane	5.000	80	65 - 150	
1,2-Dichloroethane-d4	5.000	108	59 - 150	
Toluene-d8	5.000	90	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
MW-18 (1411002-07) ug/L				
Lab File ID: 1411002-07D91.d	Analyzed: 11/10/14 18:02			
Dibromofluoromethane	5.000	102	65 - 150	
1,2-Dichloroethane-d4	5.000	102	59 - 150	
Toluene-d8	5.000	86	61 - 145	
Bromofluorobenzene	5.000	90	63 - 143	

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K10004 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
MW-17 (1411002-10) ug/L				
Lab File ID: 1411002-1091.d	Analyzed: 11/10/14 18:32			
Dibromofluoromethane	5.000	106	65 - 150	
1,2-Dichloroethane-d4	5.000	105	59 - 150	
Toluene-d8	5.000	89	61 - 145	
Bromofluorobenzene	5.000	93	63 - 143	
MW-4 (1411002-11) ug/L				
Lab File ID: 1411002-1191.d	Analyzed: 11/10/14 19:01			
Dibromofluoromethane	5.000	105	65 - 150	
1,2-Dichloroethane-d4	5.000	106	59 - 150	
Toluene-d8	5.000	87	61 - 145	
Bromofluorobenzene	5.000	92	63 - 143	
MW-19 (1411002-12) ug/L				
Lab File ID: 1411002-1291.d	Analyzed: 11/10/14 19:31			
Dibromofluoromethane	5.000	107	65 - 150	
1,2-Dichloroethane-d4	5.000	105	59 - 150	
Toluene-d8	5.000	90	61 - 145	
Bromofluorobenzene	5.000	93	63 - 143	
MW-11 (1411002-13) ug/L				
Lab File ID: 1411002-1391.d	Analyzed: 11/10/14 20:01			
Dibromofluoromethane	5.000	111	65 - 150	
1,2-Dichloroethane-d4	5.000	111	59 - 150	
Toluene-d8	5.000	88	61 - 145	
Bromofluorobenzene	5.000	91	63 - 143	
MW-2 (1411002-14) ug/L				
Lab File ID: 1411002-1491.d	Analyzed: 11/10/14 20:30			
Dibromofluoromethane	5.000	109	65 - 150	
1,2-Dichloroethane-d4	5.000	109	59 - 150	
Toluene-d8	5.000	85	61 - 145	
Bromofluorobenzene	5.000	89	63 - 143	

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K10004 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
DUP-1 (1411002-15) ug/L				
Lab File ID: 1411002-1591.d	Analyzed: 11/10/14 21:00			
Dibromofluoromethane	5.000	111	65 - 150	
1,2-Dichloroethane-d4	5.000	111	59 - 150	
Toluene-d8	5.000	87	61 - 145	
Bromofluorobenzene	5.000	91	63 - 143	
MW-15 (1411002-16) ug/L				
Lab File ID: 1411002-1691.d	Analyzed: 11/10/14 21:30			
Dibromofluoromethane	5.000	112	65 - 150	
1,2-Dichloroethane-d4	5.000	113	59 - 150	
Toluene-d8	5.000	87	61 - 145	
Bromofluorobenzene	5.000	92	63 - 143	
TB-2 (1411002-17) ug/L				
Lab File ID: 1411002-1791.d	Analyzed: 11/10/14 21:59			
Dibromofluoromethane	5.000	113	65 - 150	
1,2-Dichloroethane-d4	5.000	115	59 - 150	
Toluene-d8	5.000	85	61 - 145	
Bromofluorobenzene	5.000	91	63 - 143	
MW-5 (1411002-19) ug/L				
Lab File ID: 1411002-1991.d	Analyzed: 11/10/14 22:29			
Dibromofluoromethane	5.000	111	65 - 150	
1,2-Dichloroethane-d4	5.000	112	59 - 150	
Toluene-d8	5.000	85	61 - 145	
Bromofluorobenzene	5.000	91	63 - 143	
MW-13 (1411002-20) ug/L				
Lab File ID: 1411002-2091.d	Analyzed: 11/10/14 22:58			
Dibromofluoromethane	5.000	114	65 - 150	
1,2-Dichloroethane-d4	5.000	115	59 - 150	
Toluene-d8	5.000	86	61 - 145	
Bromofluorobenzene	5.000	93	63 - 143	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411002 Instrument: 5975hpms91

Sequence: 4K10004 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
MW-1 (1411002-21) ug/L				
Lab File ID: 1411002-2191.d	Analyzed: 11/10/14 23:28			
Dibromofluoromethane	5.000	112	65 - 150	
1,2-Dichloroethane-d4	5.000	111	59 - 150	
Toluene-d8	5.000	84	61 - 145	
Bromofluorobenzene	5.000	91	63 - 143	
TB-2A (1411002-18) ug/L				
Lab File ID: 1411002-1891.d	Analyzed: 11/10/14 23:57			
Dibromofluoromethane	5.000	114	65 - 150	
1,2-Dichloroethane-d4	5.000	115	59 - 150	
Toluene-d8	5.000	85	61 - 145	
Bromofluorobenzene	5.000	90	63 - 143	

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110721-BS1 Matrix: Water Client ID: VLCSIO Batch: 4110721

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	5.000	4.755	95		50 - 150
1,1,1-Trichloroethane	5.000	4.909	98		71 - 137
1,1,2,2-Tetrachloroethane	5.000	4.830	97		63 - 122
1,1,2-Trichloroethane	5.000	4.781	96		68 - 130
1,1-Dichloroethane	5.000	4.954	99		59 - 138
1,1-Dichloroethene	5.000	4.979	100		74 - 143
1,1-Dichloropropene	5.000	5.188	104		50 - 150
1,2,3-Trichlorobenzene	5.000	4.818	96		50 - 150
1,2,3-Trichloropropane	5.000	4.776	96		50 - 150
1,2,4-Trichlorobenzene	5.000	4.884	98		52 - 147
1,2,4-Trimethylbenzene	5.000	4.811	96		50 - 150
1,2-Dibromo-3-chloropropane	5.000	4.636	93		71 - 128
1,2-Dibromoethane	5.000	4.743	95		73 - 128
1,2-Dichlorobenzene	5.000	4.877	98		71 - 127
1,2-Dichloroethane	5.000	5.020	100		61 - 150
1,2-Dichloropropane	5.000	4.995	100		67 - 137
1,3,5-Trimethylbenzene	5.000	4.798	96		50 - 150
1,3-Dichlorobenzene	5.000	4.880	98		64 - 136
1,3-Dichloropropane	5.000	4.783	96		50 - 150
1,4-Dichlorobenzene	5.000	4.837	97		69 - 125
2,2-Dichloropropane	5.000	4.493	90		50 - 150
2-Butanone	25.00	22.53	90		65 - 134
2-Chloroethylvinyl ether	10.00	8.507	85		50 - 150
2-Chlorotoluene	5.000	4.796	96		50 - 150
2-Hexanone	25.00	22.57	90		53 - 140
4-Chlorotoluene	5.000	4.852	97		50 - 150
4-Methyl-2-pentanone	25.00	22.99	92		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110721-BS1 Matrix: Water Client ID: VLCSIO Batch: 4110721

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetone	25.00	27.53	110		50 - 150
Acrolein	50.00	48.53	97		50 - 150
Acrylonitrile	50.00	48.01	96		50 - 150
Benzene	5.000	4.968	99		68 - 138
Bromobenzene	5.000	4.726	95		50 - 150
Bromochloromethane	5.000	5.078	102		50 - 150
Bromodichloromethane	5.000	4.979	100		73 - 142
Bromoform	5.000	4.467	89		62 - 138
Bromomethane	5.000	5.338	107		50 - 150
Carbon disulfide	5.000	4.916	98		50 - 150
Carbon tetrachloride	5.000	4.838	97		68 - 145
Chlorobenzene	5.000	4.877	98		68 - 129
Chloroethane	5.000	5.083	102		54 - 150
Chloroform	5.000	5.070	101		67 - 147
Chloromethane	5.000	4.984	100		50 - 150
cis-1,2-Dichloroethene	5.000	4.980	100		69 - 140
cis-1,3-Dichloropropene	5.000	4.688	94		74 - 134
Dibromochloromethane	5.000	4.700	94		68 - 137
Dibromomethane	5.000	4.997	100		50 - 150
Dichlorodifluoromethane	5.000	5.200	104		50 - 150
Ethylbenzene	5.000	4.702	94		67 - 127
Hexachlorobutadiene	5.000	4.912	98		50 - 150
Isopropyl Ether	5.000	4.818	96		50 - 150
Isopropylbenzene	5.000	4.735	95		56 - 143
m,p-Xylene	10.00	9.467	95		60 - 140
Methyl tert-butyl ether	5.000	4.684	94		68 - 134
Methylene chloride	5.000	5.009 B	100		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110721-BS1 Matrix: Water Client ID: VLCSIO Batch: 4110721

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Naphthalene	5.000	4.571	91		50 - 150
n-Butylbenzene	5.000	4.849	97		50 - 150
n-Propylbenzene	5.000	4.828	97		50 - 150
o-Xylene	5.000	4.716	94		60 - 140
p-Isopropyltoluene	5.000	4.780	96		50 - 150
sec-Butylbenzene	5.000	4.775	96		50 - 150
Styrene	5.000	4.522	90		66 - 139
tert-Butylbenzene	5.000	4.779	96		50 - 150
Tetrachloroethene	5.000	4.762	95		65 - 137
Toluene	5.000	4.837	97		60 - 142
trans-1,2-Dichloroethene	5.000	4.946	99		50 - 137
trans-1,3-Dichloropropene	5.000	4.870	97		66 - 130
Trichloroethene	5.000	4.742	95		55 - 150
Trichlorofluoromethane	5.000	5.244	105		56 - 150
Vinyl acetate	5.000	4.800	96		50 - 150
Vinyl chloride	5.000	5.123	102		61 - 150

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110721-BSD1 Matrix: Water Client ID: VLCSDIO Batch: 4110721

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
1,1,1,2-Tetrachloroethane	5.000	4.705	94	1	25		50 - 150
1,1,1-Trichloroethane	5.000	4.887	98	0.5	25		71 - 137
1,1,2,2-Tetrachloroethane	5.000	4.676	94	3	25		63 - 122
1,1,2-Trichloroethane	5.000	4.593	92	4	25		68 - 130
1,1-Dichloroethane	5.000	4.931	99	0.5	25		59 - 138
1,1-Dichloroethene	5.000	4.931	99	1	14		74 - 143
1,1-Dichloropropene	5.000	5.167	103	0.4	25		50 - 150
1,2,3-Trichlorobenzene	5.000	4.837	97	0.4	25		50 - 150
1,2,3-Trichloropropane	5.000	4.659	93	2	25		50 - 150
1,2,4-Trichlorobenzene	5.000	4.976	100	2	25		52 - 147
1,2,4-Trimethylbenzene	5.000	4.867	97	1	25		50 - 150
1,2-Dibromo-3-chloropropane	5.000	4.370	87	6	25		71 - 128
1,2-Dibromoethane	5.000	4.588	92	3	25		73 - 128
1,2-Dichlorobenzene	5.000	4.842	97	0.7	25		71 - 127
1,2-Dichloroethane	5.000	4.876	98	3	25		61 - 150
1,2-Dichloropropane	5.000	4.944	99	1	25		67 - 137
1,3,5-Trimethylbenzene	5.000	4.842	97	0.9	25		50 - 150
1,3-Dichlorobenzene	5.000	4.903	98	0.5	25		64 - 136
1,3-Dichloropropane	5.000	4.769	95	0.3	25		50 - 150
1,4-Dichlorobenzene	5.000	4.963	99	3	25		69 - 125
2,2-Dichloropropane	5.000	4.481	90	0.3	25		50 - 150
2-Butanone	25.00	22.11	88	2	25		65 - 134
2-Chloroethylvinyl ether	10.00	8.114	81	5	25		50 - 150
2-Chlorotoluene	5.000	4.878	98	2	25		50 - 150
2-Hexanone	25.00	22.04	88	2	25		53 - 140
4-Chlorotoluene	5.000	4.933	99	2	25		50 - 150
4-Methyl-2-pentanone	25.00	22.14	89	4	25		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110721-BSD1 Matrix: Water Client ID: VLCSDIO Batch: 4110721

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetone	25.00	25.77	103	7	25		50 - 150
Acrolein	50.00	45.60	91	6	25		50 - 150
Acrylonitrile	50.00	47.48	95	1	25		50 - 150
Benzene	5.000	4.943	99	0.5	11		68 - 138
Bromobenzene	5.000	4.857	97	3	25		50 - 150
Bromochloromethane	5.000	4.993	100	2	25		50 - 150
Bromodichloromethane	5.000	4.920	98	1	25		73 - 142
Bromoform	5.000	4.367	87	2	25		62 - 138
Bromomethane	5.000	5.361	107	0.4	25		50 - 150
Carbon disulfide	5.000	4.876	98	0.8	25		50 - 150
Carbon tetrachloride	5.000	4.806	96	0.7	25		68 - 145
Chlorobenzene	5.000	4.904	98	0.5	13		68 - 129
Chloroethane	5.000	5.110	102	0.5	25		54 - 150
Chloroform	5.000	5.011	100	1	25		67 - 147
Chloromethane	5.000	4.916	98	1	25		50 - 150
cis-1,2-Dichloroethene	5.000	4.834	97	3	25		69 - 140
cis-1,3-Dichloropropene	5.000	4.617	92	2	25		74 - 134
Dibromochloromethane	5.000	4.678	94	0.5	25		68 - 137
Dibromomethane	5.000	4.786	96	4	25		50 - 150
Dichlorodifluoromethane	5.000	5.108	102	2	25		50 - 150
Ethylbenzene	5.000	4.748	95	1	25		67 - 127
Hexachlorobutadiene	5.000	4.924	98	0.2	25		50 - 150
Isopropyl Ether	5.000	4.808	96	0.2	25		50 - 150
Isopropylbenzene	5.000	4.808	96	2	25		56 - 143
m,p-Xylene	10.00	9.586	96	1	25		60 - 140
Methyl tert-butyl ether	5.000	4.557	91	3	25		68 - 134
Methylene chloride	5.000	4.964 B	99	0.9	25		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4110721-BSD1 Matrix: Water Client ID: VLCSDIO Batch: 4110721

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Naphthalene	5.000	4.608	92	0.8	25		50 - 150
n-Butylbenzene	5.000	4.946	99	2	25		50 - 150
n-Propylbenzene	5.000	4.871	97	0.9	25		50 - 150
o-Xylene	5.000	4.825	97	2	25		60 - 140
p-Isopropyltoluene	5.000	4.887	98	2	25		50 - 150
sec-Butylbenzene	5.000	4.829	97	1	25		50 - 150
Styrene	5.000	4.628	93	2	25		66 - 139
tert-Butylbenzene	5.000	4.775	96	0.07	25		50 - 150
Tetrachloroethene	5.000	4.854	97	2	25		65 - 137
Toluene	5.000	4.890	98	1	13		60 - 142
trans-1,2-Dichloroethene	5.000	4.942	99	0.08	25		50 - 137
trans-1,3-Dichloropropene	5.000	4.767	95	2	25		66 - 130
Trichloroethene	5.000	4.792	96	1	14		55 - 150
Trichlorofluoromethane	5.000	5.123	102	2	25		56 - 150
Vinyl acetate	5.000	4.721	94	2	25		50 - 150
Vinyl chloride	5.000	5.031	101	2	25		61 - 150

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BS1 Matrix: Water Client ID: VLCSIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	5.000	4.666	93		50 - 150
1,1,1-Trichloroethane	5.000	5.059	101		71 - 137
1,1,2,2-Tetrachloroethane	5.000	4.841	97		63 - 122
1,1,2-Trichloroethane	5.000	4.755	95		68 - 130
1,1-Dichloroethane	5.000	4.984	100		59 - 138
1,1-Dichloroethene	5.000	4.925	99		74 - 143
1,1-Dichloropropene	5.000	5.261	105		50 - 150
1,2,3-Trichlorobenzene	5.000	4.907	98		50 - 150
1,2,3-Trichloropropane	5.000	4.695	94		50 - 150
1,2,4-Trichlorobenzene	5.000	4.946	99		52 - 147
1,2,4-Trimethylbenzene	5.000	4.886	98		50 - 150
1,2-Dibromo-3-chloropropane	5.000	4.535	91		71 - 128
1,2-Dibromoethane	5.000	4.697	94		73 - 128
1,2-Dichlorobenzene	5.000	4.904	98		71 - 127
1,2-Dichloroethane	5.000	4.953	99		61 - 150
1,2-Dichloropropane	5.000	4.940	99		67 - 137
1,3,5-Trimethylbenzene	5.000	4.875	97		50 - 150
1,3-Dichlorobenzene	5.000	4.913	98		64 - 136
1,3-Dichloropropane	5.000	4.739	95		50 - 150
1,4-Dichlorobenzene	5.000	4.889	98		69 - 125
2,2-Dichloropropane	5.000	4.970	99		50 - 150
2-Butanone	25.00	24.11	96		65 - 134
2-Chloroethylvinyl ether	10.00	9.019	90		50 - 150
2-Chlorotoluene	5.000	4.841	97		50 - 150
2-Hexanone	25.00	23.29	93		53 - 140
4-Chlorotoluene	5.000	4.871	97		50 - 150
4-Methyl-2-pentanone	25.00	23.63	95		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BS1 Matrix: Water Client ID: VLCSIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetone	25.00	25.20	101		50 - 150
Acrolein	50.00	41.87	84		50 - 150
Acrylonitrile	50.00	49.55	99		50 - 150
Benzene	5.000	5.029	101		68 - 138
Bromobenzene	5.000	4.767	95		50 - 150
Bromochloromethane	5.000	5.106	102		50 - 150
Bromodichloromethane	5.000	5.001	100		73 - 142
Bromoform	5.000	4.659	93		62 - 138
Bromomethane	5.000	4.892	98		50 - 150
Carbon disulfide	5.000	5.105 B	102		50 - 150
Carbon tetrachloride	5.000	4.947	99		68 - 145
Chlorobenzene	5.000	4.783	96		68 - 129
Chloroethane	5.000	5.023	100		54 - 150
Chloroform	5.000	5.097	102		67 - 147
Chloromethane	5.000	4.930	99		50 - 150
cis-1,2-Dichloroethene	5.000	5.026	101		69 - 140
cis-1,3-Dichloropropene	5.000	4.854	97		74 - 134
Dibromochloromethane	5.000	4.749	95		68 - 137
Dibromomethane	5.000	4.971	99		50 - 150
Dichlorodifluoromethane	5.000	5.397	108		50 - 150
Ethylbenzene	5.000	4.690	94		67 - 127
Hexachlorobutadiene	5.000	5.056	101		50 - 150
Isopropyl Ether	5.000	4.751	95		50 - 150
Isopropylbenzene	5.000	4.788	96		56 - 143
m,p-Xylene	10.00	9.422	94		60 - 140
Methyl tert-butyl ether	5.000	4.683	94		68 - 134
Methylene chloride	5.000	4.775	95		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BS1 Matrix: Water Client ID: VLCSIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Naphthalene	5.000	4.582	92		50 - 150
n-Butylbenzene	5.000	4.983	100		50 - 150
n-Propylbenzene	5.000	4.929	99		50 - 150
o-Xylene	5.000	4.717	94		60 - 140
p-Isopropyltoluene	5.000	4.888	98		50 - 150
sec-Butylbenzene	5.000	4.918	98		50 - 150
Styrene	5.000	4.575	92		66 - 139
tert-Butylbenzene	5.000	4.777	96		50 - 150
Tetrachloroethene	5.000	4.870	97		65 - 137
Toluene	5.000	4.785	96		60 - 142
trans-1,2-Dichloroethene	5.000	5.077	102		50 - 137
trans-1,3-Dichloropropene	5.000	4.853	97		66 - 130
Trichloroethene	5.000	4.834	97		55 - 150
Trichlorofluoromethane	5.000	5.258	105		56 - 150
Vinyl acetate	5.000	4.708	94		50 - 150
Vinyl chloride	5.000	4.870	97		61 - 150

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BSD1 Matrix: Water Client ID: VLCSDIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
1,1,1,2-Tetrachloroethane	5.000	4.739	95	2	25		50 - 150
1,1,1-Trichloroethane	5.000	5.114	102	1	25		71 - 137
1,1,2,2-Tetrachloroethane	5.000	5.116	102	6	25		63 - 122
1,1,2-Trichloroethane	5.000	4.979	100	5	25		68 - 130
1,1-Dichloroethane	5.000	5.000	100	0.3	25		59 - 138
1,1-Dichloroethene	5.000	5.042	101	2	14		74 - 143
1,1-Dichloropropene	5.000	5.297	106	0.7	25		50 - 150
1,2,3-Trichlorobenzene	5.000	5.107	102	4	25		50 - 150
1,2,3-Trichloropropane	5.000	5.011	100	7	25		50 - 150
1,2,4-Trichlorobenzene	5.000	5.033	101	2	25		52 - 147
1,2,4-Trimethylbenzene	5.000	4.856	97	0.6	25		50 - 150
1,2-Dibromo-3-chloropropane	5.000	5.061	101	11	25		71 - 128
1,2-Dibromoethane	5.000	4.960	99	5	25		73 - 128
1,2-Dichlorobenzene	5.000	5.002	100	2	25		71 - 127
1,2-Dichloroethane	5.000	5.097	102	3	25		61 - 150
1,2-Dichloropropane	5.000	5.034	101	2	25		67 - 137
1,3,5-Trimethylbenzene	5.000	4.839	97	0.7	25		50 - 150
1,3-Dichlorobenzene	5.000	4.920	98	0.1	25		64 - 136
1,3-Dichloropropane	5.000	4.936	99	4	25		50 - 150
1,4-Dichlorobenzene	5.000	5.046	101	3	25		69 - 125
2,2-Dichloropropane	5.000	4.878	98	2	25		50 - 150
2-Butanone	25.00	26.02	104	8	25		65 - 134
2-Chloroethylvinyl ether	10.00	9.367	94	4	25		50 - 150
2-Chlorotoluene	5.000	4.835	97	0.1	25		50 - 150
2-Hexanone	25.00	24.93	100	7	25		53 - 140
4-Chlorotoluene	5.000	4.939	99	1	25		50 - 150
4-Methyl-2-pentanone	25.00	25.13	101	6	25		66 - 127

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BSD1 Matrix: Water Client ID: VLCSDIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetone	25.00	28.34	113	12	25		50 - 150
Acrolein	50.00	45.16	90	8	25		50 - 150
Acrylonitrile	50.00	53.23	106	7	25		50 - 150
Benzene	5.000	5.049	101	0.4	11		68 - 138
Bromobenzene	5.000	4.896	98	3	25		50 - 150
Bromochloromethane	5.000	5.085	102	0.4	25		50 - 150
Bromodichloromethane	5.000	5.058	101	1	25		73 - 142
Bromoform	5.000	4.787	96	3	25		62 - 138
Bromomethane	5.000	4.747	95	3	25		50 - 150
Carbon disulfide	5.000	5.146 B	103	0.8	25		50 - 150
Carbon tetrachloride	5.000	4.925	98	0.4	25		68 - 145
Chlorobenzene	5.000	4.877	98	2	13		68 - 129
Chloroethane	5.000	4.995	100	0.6	25		54 - 150
Chloroform	5.000	5.143	103	0.9	25		67 - 147
Chloromethane	5.000	4.736	95	4	25		50 - 150
cis-1,2-Dichloroethene	5.000	5.080	102	1	25		69 - 140
cis-1,3-Dichloropropene	5.000	4.816	96	0.8	25		74 - 134
Dibromochloromethane	5.000	4.934	99	4	25		68 - 137
Dibromomethane	5.000	5.096	102	2	25		50 - 150
Dichlorodifluoromethane	5.000	5.355	107	0.8	25		50 - 150
Ethylbenzene	5.000	4.726	95	0.8	25		67 - 127
Hexachlorobutadiene	5.000	4.868	97	4	25		50 - 150
Isopropyl Ether	5.000	4.771	95	0.4	25		50 - 150
Isopropylbenzene	5.000	4.791	96	0.06	25		56 - 143
m,p-Xylene	10.00	9.527	95	1	25		60 - 140
Methyl tert-butyl ether	5.000	4.819	96	3	25		68 - 134
Methylene chloride	5.000	4.881	98	2	25		50 - 139

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BSD1 Matrix: Water Client ID: VLCSDIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Naphthalene	5.000	4.903	98	7	25		50 - 150
n-Butylbenzene	5.000	4.799	96	4	25		50 - 150
n-Propylbenzene	5.000	4.856	97	2	25		50 - 150
o-Xylene	5.000	4.762	95	0.9	25		60 - 140
p-Isopropyltoluene	5.000	4.772	95	2	25		50 - 150
sec-Butylbenzene	5.000	4.794	96	3	25		50 - 150
Styrene	5.000	4.648	93	2	25		66 - 139
tert-Butylbenzene	5.000	4.737	95	0.8	25		50 - 150
Tetrachloroethene	5.000	4.878	98	0.2	25		65 - 137
Toluene	5.000	4.877	98	2	13		60 - 142
trans-1,2-Dichloroethene	5.000	5.157	103	2	25		50 - 137
trans-1,3-Dichloropropene	5.000	5.091	102	5	25		66 - 130
Trichloroethene	5.000	4.889	98	1	14		55 - 150
Trichlorofluoromethane	5.000	5.208	104	1	25		56 - 150
Vinyl acetate	5.000	4.852	97	3	25		50 - 150
Vinyl chloride	5.000	4.989	100	2	25		61 - 150

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PREPARATION BATCH SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4110721 Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-9	1411002-01	11/07/14 19:20	25.0	25.0
MW-20	1411002-02	11/07/14 19:20	25.0	25.0
MW-7	1411002-03	11/07/14 19:20	25.0	25.0
MW-14	1411002-04	11/07/14 19:20	25.0	25.0
MW-8	1411002-05	11/07/14 19:20	25.0	25.0
TB-1	1411002-06	11/07/14 19:20	25.0	25.0
MW-3	1411002-08	11/07/14 19:20	25.0	25.0
MW-16	1411002-09	11/07/14 19:20	25.0	25.0
VBLKIO	4110721-BLK1	11/07/14 19:20	25.0	25.0
VLCSIO	4110721-BS1	11/07/14 19:20	25.0	25.0
VLCSDIO	4110721-BSD1	11/07/14 19:20	25.0	25.0

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PREPARATION BATCH SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Batch: 4111020 Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
MW-14RE	1411002-04RE1	11/10/14 15:14	25.0	25.0
MW-18	1411002-07	11/10/14 15:14	25.0	25.0
MW-17	1411002-10	11/10/14 15:14	25.0	25.0
MW-4	1411002-11	11/10/14 15:14	25.0	25.0
MW-19	1411002-12	11/10/14 15:14	25.0	25.0
MW-11	1411002-13	11/10/14 15:14	25.0	25.0
MW-2	1411002-14	11/10/14 15:14	25.0	25.0
DUP-1	1411002-15	11/10/14 15:14	25.0	25.0
MW-15	1411002-16	11/10/14 15:14	25.0	25.0
TB-2	1411002-17	11/10/14 15:14	25.0	25.0
TB-2A	1411002-18	11/10/14 15:14	25.0	25.0
MW-5	1411002-19	11/10/14 15:14	25.0	25.0
MW-13	1411002-20	11/10/14 15:14	25.0	25.0
MW-1	1411002-21	11/10/14 15:14	25.0	25.0
VBLKIP	4111020-BLK1	11/10/14 15:14	25.0	25.0
VLCSIP	4111020-BS1	11/10/14 15:14	25.0	25.0
VLCSDIP	4111020-BSD1	11/10/14 15:14	25.0	25.0

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ANALYSIS DATA SHEET

SW 8260B

DUP-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1591.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-15 Received: 11/05/14 09:00

Dilution: 100 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:00

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		2.0	50		*U*
71-55-6	1,1,1-Trichloroethane		2.0	50	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		5.0	50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		4.0	50		*U*
75-34-3	1,1-Dichloroethane		2.0	50	6	*U*
75-35-4	1,1-Dichloroethene	400	4.0	50	3501	*D*
563-58-6	1,1-Dichloropropene		3.0	50		*U*
87-61-6	1,2,3-Trichlorobenzene		6.0	50		*U*
96-18-4	1,2,3-Trichloropropane		9.0	50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		6.0	50	70	*U*
95-63-6	1,2,4-Trimethylbenzene		2.0	50	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		25	50	0.04	*U*
106-93-4	1,2-Dibromoethane		4.0	50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		3.0	50	20	*U*
107-06-2	1,2-Dichloroethane		3.0	50	0.4	*U*
78-87-5	1,2-Dichloropropane		12	50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		3.0	50	400	*U*
541-73-1	1,3-Dichlorobenzene		4.0	50	200	*U*
142-28-9	1,3-Dichloropropane		3.0	50		*U*
106-46-7	1,4-Dichlorobenzene		3.0	50	6	*U*
594-20-7	2,2-Dichloropropane		3.0	50		*U*
78-93-3	2-Butanone		28	250	4000	*U*
110-75-8	2-Chloroethylvinyl ether		19	100		*U*
95-49-8	2-Chlorotoluene		4.0	50	100	*U*
591-78-6	2-Hexanone		51	250		*U*
106-43-4	4-Chlorotoluene		4.0	50		*U*
108-10-1	4-Methyl-2-pentanone		42	250		*U*
67-64-1	Acetone	240	44	250		*JD*
107-02-8	Acrolein		100	500		*U*
107-13-1	Acrylonitrile		36	500		*U*
71-43-2	Benzene		3.0	50	1	*U*
108-86-1	Bromobenzene		4.0	50		*U*
74-97-5	Bromochloromethane		4.0	50		*U*
75-27-4	Bromodichloromethane		3.0	50	0.6	*U*

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ANALYSIS DATA SHEET

SW 8260B

DUP-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1591.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-15 Received: 11/05/14 09:00

Dilution: 100 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:00

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		3.0	50	4	*U*
74-83-9	Bromomethane		11	50		*U*
75-15-0	Carbon disulfide	8.9	2.0	50	700	*JBD*
56-23-5	Carbon tetrachloride		3.0	50	0.3	*U*
108-90-7	Chlorobenzene		2.0	50	50	*U*
75-00-3	Chloroethane		20	50	3000	*U*
67-66-3	Chloroform		3.0	50	70	*U*
74-87-3	Chloromethane		11	50	3	*U*
156-59-2	cis-1,2-Dichloroethene	2700	3.0	50	70	*D*
10061-01-5	cis-1,3-Dichloropropene		4.0	50	0.4	*U*
124-48-1	Dibromochloromethane		4.0	50	0.4	*U*
74-95-3	Dibromomethane		3.0	50		*U*
75-71-8	Dichlorodifluoromethane		3.0	50	1000	*U*
100-41-4	Ethylbenzene		4.0	50	600	*U*
87-68-3	Hexachlorobutadiene		3.0	50	0.4	*U*
108-20-3	Isopropyl Ether		4.0	50	70	*U*
98-82-8	Isopropylbenzene		5.0	50	70	*U*
179601-23-1	m,p-Xylene		8.0	100		*U*
1634-04-4	Methyl tert-butyl ether		3.0	50	20	*U*
75-09-2	Methylene chloride		2.0	50		*U*
91-20-3	Naphthalene		15	50	6	*U*
104-51-8	n-Butylbenzene		2.0	50	70	*U*
103-65-1	n-Propylbenzene		3.0	50	70	*U*
95-47-6	o-Xylene		3.0	50		*U*
99-87-6	p-Isopropyltoluene		3.0	50		*U*
135-98-8	sec-Butylbenzene		2.0	50	70	*U*
100-42-5	Styrene		2.0	50	70	*U*
98-06-6	tert-Butylbenzene		3.0	50	70	*U*
127-18-4	Tetrachloroethene	7.8	6.0	50	0.7	*JD*
108-88-3	Toluene		3.0	50	600	*U*
156-60-5	trans-1,2-Dichloroethene		5.0	50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		5.0	50		*U*
79-01-6	Trichloroethene	12	3.0	50	3	*JD*
75-69-4	Trichlorofluoromethane		6.0	50	2000	*U*

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ANALYSIS DATA SHEET

SW 8260B

DUP-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1591.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-15 Received: 11/05/14 09:00

Dilution: 100 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:00

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		6.0	50		*U*
75-01-4	Vinyl chloride		7.0	50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.570	111	65 - 150	
1,2-Dichloroethane-d4	5.000	5.534	111	59 - 150	
Toluene-d8	5.000	4.369	87	61 - 145	
Bromofluorobenzene	5.000	4.549	91	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-2191.d Sampled: 11/05/14 11:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-21 Received: 11/06/14 08:30

Dilution: 125 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 23:28

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		2.5	63		*U*
71-55-6	1,1,1-Trichloroethane	47	2.5	63	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		6.3	63	0.2	*U*
79-00-5	1,1,2-Trichloroethane		5.0	63		*U*
75-34-3	1,1-Dichloroethane	17	2.5	63	6	*JD*
75-35-4	1,1-Dichloroethene	510	5.0	63	3501	*D*
563-58-6	1,1-Dichloropropene		3.8	63		*U*
87-61-6	1,2,3-Trichlorobenzene		7.5	63		*U*
96-18-4	1,2,3-Trichloropropane		11	63	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		7.5	63	70	*U*
95-63-6	1,2,4-Trimethylbenzene		2.5	63	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		31	63	0.04	*U*
106-93-4	1,2-Dibromoethane		5.0	63	0.02	*U*
95-50-1	1,2-Dichlorobenzene		3.8	63	20	*U*
107-06-2	1,2-Dichloroethane		3.8	63	0.4	*U*
78-87-5	1,2-Dichloropropane		15	63	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		3.8	63	400	*U*
541-73-1	1,3-Dichlorobenzene		5.0	63	200	*U*
142-28-9	1,3-Dichloropropane		3.8	63		*U*
106-46-7	1,4-Dichlorobenzene		3.8	63	6	*U*
594-20-7	2,2-Dichloropropane		3.8	63		*U*
78-93-3	2-Butanone		35	310	4000	*U*
110-75-8	2-Chloroethylvinyl ether		24	130		*U*
95-49-8	2-Chlorotoluene		5.0	63	100	*U*
591-78-6	2-Hexanone		64	310		*U*
106-43-4	4-Chlorotoluene		5.0	63		*U*
108-10-1	4-Methyl-2-pentanone		53	310		*U*
67-64-1	Acetone	160	55	310		*JD*
107-02-8	Acrolein		130	630		*U*
107-13-1	Acrylonitrile		45	630		*U*
71-43-2	Benzene		3.8	63	1	*U*
108-86-1	Bromobenzene		5.0	63		*U*
74-97-5	Bromochloromethane		5.0	63		*U*
75-27-4	Bromodichloromethane		3.8	63	0.6	*U*

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ANALYSIS DATA SHEET

SW 8260B

MW-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-2191.d Sampled: 11/05/14 11:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-21 Received: 11/06/14 08:30

Dilution: 125 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 23:28

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		3.8	63	4	*U*
74-83-9	Bromomethane		14	63		*U*
75-15-0	Carbon disulfide	3.7	2.5	63	700	*JBD*
56-23-5	Carbon tetrachloride		3.8	63	0.3	*U*
108-90-7	Chlorobenzene		2.5	63	50	*U*
75-00-3	Chloroethane		25	63	3000	*U*
67-66-3	Chloroform		3.8	63	70	*U*
74-87-3	Chloromethane		14	63	3	*U*
156-59-2	cis-1,2-Dichloroethene	81	3.8	63	70	*D*
10061-01-5	cis-1,3-Dichloropropene		5.0	63	0.4	*U*
124-48-1	Dibromochloromethane		5.0	63	0.4	*U*
74-95-3	Dibromomethane		3.8	63		*U*
75-71-8	Dichlorodifluoromethane		3.8	63	1000	*U*
100-41-4	Ethylbenzene		5.0	63	600	*U*
87-68-3	Hexachlorobutadiene		3.8	63	0.4	*U*
108-20-3	Isopropyl Ether		5.0	63	70	*U*
98-82-8	Isopropylbenzene		6.3	63	70	*U*
179601-23-1	m,p-Xylene		10	130		*U*
1634-04-4	Methyl tert-butyl ether		3.8	63	20	*U*
75-09-2	Methylene chloride		2.5	63		*U*
91-20-3	Naphthalene		19	63	6	*U*
104-51-8	n-Butylbenzene		2.5	63	70	*U*
103-65-1	n-Propylbenzene		3.8	63	70	*U*
95-47-6	o-Xylene		3.8	63		*U*
99-87-6	p-Isopropyltoluene		3.8	63		*U*
135-98-8	sec-Butylbenzene		2.5	63	70	*U*
100-42-5	Styrene		2.5	63	70	*U*
98-06-6	tert-Butylbenzene		3.8	63	70	*U*
127-18-4	Tetrachloroethene	3700	7.5	63	0.7	*D*
108-88-3	Toluene		3.8	63	600	*U*
156-60-5	trans-1,2-Dichloroethene		6.3	63	100	*U*
10061-02-6	trans-1,3-Dichloropropene		6.3	63		*U*
79-01-6	Trichloroethene	190	3.8	63	3	*D*
75-69-4	Trichlorofluoromethane	38	7.5	63	2000	*JD*

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SW 8260B

MW-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-2191.d Sampled: 11/05/14 11:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-21 Received: 11/06/14 08:30

Dilution: 125 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 23:28

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		7.5	63		*U*
75-01-4	Vinyl chloride		8.8	63	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.592	112	65 - 150	
1,2-Dichloroethane-d4	5.000	5.538	111	59 - 150	
Toluene-d8	5.000	4.212	84	61 - 145	
Bromofluorobenzene	5.000	4.558	91	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-11

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1391.d Sampled: 11/04/14 12:50

Initial/Final: 25mL / 25mL Lab ID: 1411002-13 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 20:01

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		*U*
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.040	0.50		*U*
75-34-3	1,1-Dichloroethane		0.020	0.50	6	*U*
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	*U*
563-58-6	1,1-Dichloropropene		0.030	0.50		*U*
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		*U*
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	*U*
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	*U*
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	*U*
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	*U*
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	*U*
142-28-9	1,3-Dichloropropane		0.030	0.50		*U*
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	*U*
594-20-7	2,2-Dichloropropane		0.030	0.50		*U*
78-93-3	2-Butanone		0.28	2.5	4000	*U*
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		*U*
95-49-8	2-Chlorotoluene		0.040	0.50	100	*U*
591-78-6	2-Hexanone		0.51	2.5		*U*
106-43-4	4-Chlorotoluene		0.040	0.50		*U*
108-10-1	4-Methyl-2-pentanone		0.42	2.5		*U*
67-64-1	Acetone	2.3	0.44	2.5		*J*
107-02-8	Acrolein		1.0	5.0		*U*
107-13-1	Acrylonitrile		0.36	5.0		*U*
71-43-2	Benzene		0.030	0.50	1	*U*
108-86-1	Bromobenzene		0.040	0.50		*U*
74-97-5	Bromochloromethane		0.040	0.50		*U*
75-27-4	Bromodichloromethane		0.030	0.50	0.6	*U*

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SW 8260B

MW-11

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1391.d Sampled: 11/04/14 12:50

Initial/Final: 25mL / 25mL Lab ID: 1411002-13 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 20:01

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	0.27	0.020	0.50	700	*JB*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane		0.11	0.50	3	*U*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether		0.030	0.50	20	*U*
75-09-2	Methylene chloride		0.020	0.50		*U*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene	0.33	0.060	0.50	0.7	*J*
108-88-3	Toluene		0.030	0.50	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

MW-11

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1391.d Sampled: 11/04/14 12:50

Initial/Final: 25mL / 25mL Lab ID: 1411002-13 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 20:01

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.572	111	65 - 150	
1,2-Dichloroethane-d4	5.000	5.569	111	59 - 150	
Toluene-d8	5.000	4.386	88	61 - 145	
Bromofluorobenzene	5.000	4.570	91	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-13

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-2091.d Sampled: 11/05/14 13:20

Initial/Final: 25mL / 25mL Lab ID: 1411002-20 Received: 11/06/14 08:30

Dilution: 1.56 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 22:58

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.031	0.78		*U*
71-55-6	1,1,1-Trichloroethane	1.4	0.031	0.78	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		0.078	0.78	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.062	0.78		*U*
75-34-3	1,1-Dichloroethane	0.38	0.031	0.78	6	*JD*
75-35-4	1,1-Dichloroethene	48	0.062	0.78	3501	*D*
563-58-6	1,1-Dichloropropene		0.047	0.78		*U*
87-61-6	1,2,3-Trichlorobenzene		0.094	0.78		*U*
96-18-4	1,2,3-Trichloropropane		0.14	0.78	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.094	0.78	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.031	0.78	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		0.39	0.78	0.04	*U*
106-93-4	1,2-Dibromoethane		0.062	0.78	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.047	0.78	20	*U*
107-06-2	1,2-Dichloroethane		0.047	0.78	0.4	*U*
78-87-5	1,2-Dichloropropane		0.19	0.78	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.047	0.78	400	*U*
541-73-1	1,3-Dichlorobenzene		0.062	0.78	200	*U*
142-28-9	1,3-Dichloropropane		0.047	0.78		*U*
106-46-7	1,4-Dichlorobenzene		0.047	0.78	6	*U*
594-20-7	2,2-Dichloropropane		0.047	0.78		*U*
78-93-3	2-Butanone		0.44	3.9	4000	*U*
110-75-8	2-Chloroethylvinyl ether		0.30	1.6		*U*
95-49-8	2-Chlorotoluene		0.062	0.78	100	*U*
591-78-6	2-Hexanone		0.80	3.9		*U*
106-43-4	4-Chlorotoluene		0.062	0.78		*U*
108-10-1	4-Methyl-2-pentanone		0.66	3.9		*U*
67-64-1	Acetone		0.69	3.9		*U*
107-02-8	Acrolein		1.6	7.8		*U*
107-13-1	Acrylonitrile		0.56	7.8		*U*
71-43-2	Benzene		0.047	0.78	1	*U*
108-86-1	Bromobenzene		0.062	0.78		*U*
74-97-5	Bromochloromethane		0.062	0.78		*U*
75-27-4	Bromodichloromethane		0.047	0.78	0.6	*U*

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SW 8260B

MW-13

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-2091.d Sampled: 11/05/14 13:20

Initial/Final: 25mL / 25mL Lab ID: 1411002-20 Received: 11/06/14 08:30

Dilution: 1.56 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 22:58

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.047	0.78	4	*U*
74-83-9	Bromomethane		0.17	0.78		*U*
75-15-0	Carbon disulfide	0.063	0.031	0.78	700	*JBD*
56-23-5	Carbon tetrachloride	0.12	0.047	0.78	0.3	*JD*
108-90-7	Chlorobenzene		0.031	0.78	50	*U*
75-00-3	Chloroethane		0.31	0.78	3000	*U*
67-66-3	Chloroform	0.086	0.047	0.78	70	*JD*
74-87-3	Chloromethane		0.17	0.78	3	*U*
156-59-2	cis-1,2-Dichloroethene	0.30	0.047	0.78	70	*JD*
10061-01-5	cis-1,3-Dichloropropene		0.062	0.78	0.4	*U*
124-48-1	Dibromochloromethane		0.062	0.78	0.4	*U*
74-95-3	Dibromomethane		0.047	0.78		*U*
75-71-8	Dichlorodifluoromethane		0.047	0.78	1000	*U*
100-41-4	Ethylbenzene		0.062	0.78	600	*U*
87-68-3	Hexachlorobutadiene		0.047	0.78	0.4	*U*
108-20-3	Isopropyl Ether		0.062	0.78	70	*U*
98-82-8	Isopropylbenzene		0.078	0.78	70	*U*
179601-23-1	m,p-Xylene		0.12	1.6		*U*
1634-04-4	Methyl tert-butyl ether		0.047	0.78	20	*U*
75-09-2	Methylene chloride	0.23	0.031	0.78		*JD*
91-20-3	Naphthalene		0.23	0.78	6	*U*
104-51-8	n-Butylbenzene		0.031	0.78	70	*U*
103-65-1	n-Propylbenzene		0.047	0.78	70	*U*
95-47-6	o-Xylene		0.047	0.78		*U*
99-87-6	p-Isopropyltoluene		0.047	0.78		*U*
135-98-8	sec-Butylbenzene		0.031	0.78	70	*U*
100-42-5	Styrene		0.031	0.78	70	*U*
98-06-6	tert-Butylbenzene		0.047	0.78	70	*U*
127-18-4	Tetrachloroethene	56	0.094	0.78	0.7	*D*
108-88-3	Toluene	0.056	0.047	0.78	600	*JD*
156-60-5	trans-1,2-Dichloroethene		0.078	0.78	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.078	0.78		*U*
79-01-6	Trichloroethene	25	0.047	0.78	3	*D*
75-69-4	Trichlorofluoromethane	1.4	0.094	0.78	2000	*D*

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SW 8260B

MW-13

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-2091.d Sampled: 11/05/14 13:20

Initial/Final: 25mL / 25mL Lab ID: 1411002-20 Received: 11/06/14 08:30

Dilution: 1.56 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 22:58

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.094	0.78		*U*
75-01-4	Vinyl chloride		0.11	0.78	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.718	114	65 - 150	
1,2-Dichloroethane-d4	5.000	5.731	115	59 - 150	
Toluene-d8	5.000	4.278	86	61 - 145	
Bromofluorobenzene	5.000	4.627	93	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-14

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0491.d Sampled: 11/03/14 15:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-04 Received: 11/04/14 09:00

Dilution: 1 pH: 9 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 23:06

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50		U
75-34-3	1,1-Dichloroethane		0.020	0.50	6	U
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	U
563-58-6	1,1-Dichloropropene		0.030	0.50		U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	U
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	U
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	U
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	U
142-28-9	1,3-Dichloropropane		0.030	0.50		U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	U
594-20-7	2,2-Dichloropropane		0.030	0.50		U
78-93-3	2-Butanone		0.28	2.5	4000	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		U
95-49-8	2-Chlorotoluene		0.040	0.50	100	U
591-78-6	2-Hexanone		0.51	2.5		U
106-43-4	4-Chlorotoluene		0.040	0.50		U
108-10-1	4-Methyl-2-pentanone		0.42	2.5		U
67-64-1	Acetone	6.7	0.44	2.5		
107-02-8	Acrolein		1.0	5.0		U
107-13-1	Acrylonitrile		0.36	5.0		U
71-43-2	Benzene		0.030	0.50	1	U
108-86-1	Bromobenzene		0.040	0.50		U
74-97-5	Bromochloromethane		0.040	0.50		U
75-27-4	Bromodichloromethane		0.030	0.50	0.6	U

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SW 8260B

MW-14

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0491.d Sampled: 11/03/14 15:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-04 Received: 11/04/14 09:00

Dilution: 1 pH: 9 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 23:06

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	0.050	0.020	0.50	700	*J*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform	0.047	0.030	0.50	70	*J*
74-87-3	Chloromethane	0.22	0.11	0.50	3	*J*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether	0.73	0.030	0.50	20	
75-09-2	Methylene chloride	0.072	0.020	0.50		*JB*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene	0.11	0.060	0.50	0.7	*J*
108-88-3	Toluene	0.045	0.030	0.50	600	*J*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

MW-14

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0491.d Sampled: 11/03/14 15:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-04 Received: 11/04/14 09:00

Dilution: 1 pH: 9 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 23:06

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	3.232	65	65 - 150	
1,2-Dichloroethane-d4	5.000	5.192	104	59 - 150	
Toluene-d8	5.000	4.566	91	61 - 145	
Bromofluorobenzene	5.000	4.705	94	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-14RE

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-04R91.d Sampled: 11/03/14 15:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-04RE1 Received: 11/04/14 09:00

Dilution: 1 pH: 9 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 17:32

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50		U
75-34-3	1,1-Dichloroethane		0.020	0.50	6	U
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	U
563-58-6	1,1-Dichloropropene		0.030	0.50		U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	U
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	U
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	U
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	U
142-28-9	1,3-Dichloropropane		0.030	0.50		U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	U
594-20-7	2,2-Dichloropropane		0.030	0.50		U
78-93-3	2-Butanone		0.28	2.5	4000	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		U
95-49-8	2-Chlorotoluene		0.040	0.50	100	U
591-78-6	2-Hexanone		0.51	2.5		U
106-43-4	4-Chlorotoluene		0.040	0.50		U
108-10-1	4-Methyl-2-pentanone		0.42	2.5		U
67-64-1	Acetone	8.0	0.44	2.5		
107-02-8	Acrolein		1.0	5.0		U
107-13-1	Acrylonitrile		0.36	5.0		U
71-43-2	Benzene		0.030	0.50	1	U
108-86-1	Bromobenzene		0.040	0.50		U
74-97-5	Bromochloromethane		0.040	0.50		U
75-27-4	Bromodichloromethane		0.030	0.50	0.6	U

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SW 8260B

MW-14RE

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-04R91.d Sampled: 11/03/14 15:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-04RE1 Received: 11/04/14 09:00

Dilution: 1 pH: 9 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 17:32

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	0.047	0.020	0.50	700	*JB*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane	0.19	0.11	0.50	3	*J*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether	0.73	0.030	0.50	20	
75-09-2	Methylene chloride		0.020	0.50		*U*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene	0.096	0.060	0.50	0.7	*J*
108-88-3	Toluene	0.044	0.030	0.50	600	*J*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

MW-14RE

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-04R91.d Sampled: 11/03/14 15:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-04RE1 Received: 11/04/14 09:00

Dilution: 1 pH: 9 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 17:32

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	3.982	80	65 - 150	
1,2-Dichloroethane-d4	5.000	5.404	108	59 - 150	
Toluene-d8	5.000	4.524	90	61 - 145	
Bromofluorobenzene	5.000	4.724	94	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-15

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1691.d Sampled: 11/04/14 16:05

Initial/Final: 25mL / 25mL Lab ID: 1411002-16 Received: 11/05/14 09:00

Dilution: 1 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:30

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50		U
75-34-3	1,1-Dichloroethane		0.020	0.50	6	U
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	U
563-58-6	1,1-Dichloropropene		0.030	0.50		U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	U
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	U
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	U
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	U
142-28-9	1,3-Dichloropropane		0.030	0.50		U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	U
594-20-7	2,2-Dichloropropane		0.030	0.50		U
78-93-3	2-Butanone		0.28	2.5	4000	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		U
95-49-8	2-Chlorotoluene		0.040	0.50	100	U
591-78-6	2-Hexanone		0.51	2.5		U
106-43-4	4-Chlorotoluene		0.040	0.50		U
108-10-1	4-Methyl-2-pentanone		0.42	2.5		U
67-64-1	Acetone		0.44	2.5		U
107-02-8	Acrolein		1.0	5.0		U
107-13-1	Acrylonitrile		0.36	5.0		U
71-43-2	Benzene		0.030	0.50	1	U
108-86-1	Bromobenzene		0.040	0.50		U
74-97-5	Bromochloromethane		0.040	0.50		U
75-27-4	Bromodichloromethane		0.030	0.50	0.6	U

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SW 8260B

MW-15

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1691.d Sampled: 11/04/14 16:05

Initial/Final: 25mL / 25mL Lab ID: 1411002-16 Received: 11/05/14 09:00

Dilution: 1 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:30

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	0.089	0.020	0.50	700	*JB*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane		0.11	0.50	3	*U*
156-59-2	cis-1,2-Dichloroethene	0.078	0.030	0.50	70	*J*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether		0.030	0.50	20	*U*
75-09-2	Methylene chloride	0.33	0.020	0.50		*J*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene	0.10	0.060	0.50	0.7	*J*
108-88-3	Toluene	0.053	0.030	0.50	600	*J*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

MW-15

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1691.d Sampled: 11/04/14 16:05

Initial/Final: 25mL / 25mL Lab ID: 1411002-16 Received: 11/05/14 09:00

Dilution: 1 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:30

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.597	112	65 - 150	
1,2-Dichloroethane-d4	5.000	5.632	113	59 - 150	
Toluene-d8	5.000	4.340	87	61 - 145	
Bromofluorobenzene	5.000	4.597	92	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-16

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0991.d Sampled: 11/04/14 14:20

Initial/Final: 25mL / 25mL Lab ID: 1411002-09 Received: 11/05/14 09:00

Dilution: 100 pH: 7 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 01:02

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		2.0	50		*U*
71-55-6	1,1,1-Trichloroethane	9.4	2.0	50	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		5.0	50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		4.0	50		*U*
75-34-3	1,1-Dichloroethane	29	2.0	50	6	*JD*
75-35-4	1,1-Dichloroethene	560	4.0	50	3501	*D*
563-58-6	1,1-Dichloropropene		3.0	50		*U*
87-61-6	1,2,3-Trichlorobenzene		6.0	50		*U*
96-18-4	1,2,3-Trichloropropane		9.0	50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		6.0	50	70	*U*
95-63-6	1,2,4-Trimethylbenzene		2.0	50	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		25	50	0.04	*U*
106-93-4	1,2-Dibromoethane		4.0	50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		3.0	50	20	*U*
107-06-2	1,2-Dichloroethane		3.0	50	0.4	*U*
78-87-5	1,2-Dichloropropane		12	50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		3.0	50	400	*U*
541-73-1	1,3-Dichlorobenzene		4.0	50	200	*U*
142-28-9	1,3-Dichloropropane		3.0	50		*U*
106-46-7	1,4-Dichlorobenzene		3.0	50	6	*U*
594-20-7	2,2-Dichloropropane		3.0	50		*U*
78-93-3	2-Butanone		28	250	4000	*U*
110-75-8	2-Chloroethylvinyl ether		19	100		*U*
95-49-8	2-Chlorotoluene		4.0	50	100	*U*
591-78-6	2-Hexanone		51	250		*U*
106-43-4	4-Chlorotoluene		4.0	50		*U*
108-10-1	4-Methyl-2-pentanone		42	250		*U*
67-64-1	Acetone	240	44	250		*JD*
107-02-8	Acrolein		100	500		*U*
107-13-1	Acrylonitrile		36	500		*U*
71-43-2	Benzene		3.0	50	1	*U*
108-86-1	Bromobenzene		4.0	50		*U*
74-97-5	Bromochloromethane		4.0	50		*U*
75-27-4	Bromodichloromethane		3.0	50	0.6	*U*

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ANALYSIS DATA SHEET

SW 8260B

MW-16

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0991.d Sampled: 11/04/14 14:20

Initial/Final: 25mL / 25mL Lab ID: 1411002-09 Received: 11/05/14 09:00

Dilution: 100 pH: 7 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 01:02

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		3.0	50	4	*U*
74-83-9	Bromomethane		11	50		*U*
75-15-0	Carbon disulfide	22	2.0	50	700	*JD*
56-23-5	Carbon tetrachloride		3.0	50	0.3	*U*
108-90-7	Chlorobenzene		2.0	50	50	*U*
75-00-3	Chloroethane		20	50	3000	*U*
67-66-3	Chloroform		3.0	50	70	*U*
74-87-3	Chloromethane		11	50	3	*U*
156-59-2	cis-1,2-Dichloroethene	2900	3.0	50	70	*D*
10061-01-5	cis-1,3-Dichloropropene		4.0	50	0.4	*U*
124-48-1	Dibromochloromethane		4.0	50	0.4	*U*
74-95-3	Dibromomethane		3.0	50		*U*
75-71-8	Dichlorodifluoromethane		3.0	50	1000	*U*
100-41-4	Ethylbenzene		4.0	50	600	*U*
87-68-3	Hexachlorobutadiene		3.0	50	0.4	*U*
108-20-3	Isopropyl Ether		4.0	50	70	*U*
98-82-8	Isopropylbenzene		5.0	50	70	*U*
179601-23-1	m,p-Xylene		8.0	100		*U*
1634-04-4	Methyl tert-butyl ether		3.0	50	20	*U*
75-09-2	Methylene chloride	9.6	2.0	50		*JBD*
91-20-3	Naphthalene		15	50	6	*U*
104-51-8	n-Butylbenzene		2.0	50	70	*U*
103-65-1	n-Propylbenzene		3.0	50	70	*U*
95-47-6	o-Xylene		3.0	50		*U*
99-87-6	p-Isopropyltoluene		3.0	50		*U*
135-98-8	sec-Butylbenzene		2.0	50	70	*U*
100-42-5	Styrene		2.0	50	70	*U*
98-06-6	tert-Butylbenzene		3.0	50	70	*U*
127-18-4	Tetrachloroethene	7.0	6.0	50	0.7	*JD*
108-88-3	Toluene		3.0	50	600	*U*
156-60-5	trans-1,2-Dichloroethene	13	5.0	50	100	*JD*
10061-02-6	trans-1,3-Dichloropropene		5.0	50		*U*
79-01-6	Trichloroethene	13	3.0	50	3	*JD*
75-69-4	Trichlorofluoromethane		6.0	50	2000	*U*

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ANALYSIS DATA SHEET

SW 8260B

MW-16

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0991.d Sampled: 11/04/14 14:20

Initial/Final: 25mL / 25mL Lab ID: 1411002-09 Received: 11/05/14 09:00

Dilution: 100 pH: 7 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 01:02

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		6.0	50		*U*
75-01-4	Vinyl chloride	35	7.0	50	0.03	*JD*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.044	101	65 - 150	
1,2-Dichloroethane-d4	5.000	4.984	100	59 - 150	
Toluene-d8	5.000	4.576	92	61 - 145	
Bromofluorobenzene	5.000	4.671	93	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-17

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1091.d Sampled: 11/04/14 16:35

Initial/Final: 25mL / 25mL Lab ID: 1411002-10 Received: 11/05/14 09:00

Dilution: 83.33 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 18:32

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		1.7	42		*U*
71-55-6	1,1,1-Trichloroethane	25	1.7	42	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		4.2	42	0.2	*U*
79-00-5	1,1,2-Trichloroethane		3.3	42		*U*
75-34-3	1,1-Dichloroethane	35	1.7	42	6	*JD*
75-35-4	1,1-Dichloroethene	410	3.3	42	3501	*D*
563-58-6	1,1-Dichloropropene		2.5	42		*U*
87-61-6	1,2,3-Trichlorobenzene		5.0	42		*U*
96-18-4	1,2,3-Trichloropropane		7.5	42	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		5.0	42	70	*U*
95-63-6	1,2,4-Trimethylbenzene		1.7	42	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		21	42	0.04	*U*
106-93-4	1,2-Dibromoethane		3.3	42	0.02	*U*
95-50-1	1,2-Dichlorobenzene		2.5	42	20	*U*
107-06-2	1,2-Dichloroethane		2.5	42	0.4	*U*
78-87-5	1,2-Dichloropropane		10	42	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		2.5	42	400	*U*
541-73-1	1,3-Dichlorobenzene		3.3	42	200	*U*
142-28-9	1,3-Dichloropropane		2.5	42		*U*
106-46-7	1,4-Dichlorobenzene		2.5	42	6	*U*
594-20-7	2,2-Dichloropropane		2.5	42		*U*
78-93-3	2-Butanone		23	210	4000	*U*
110-75-8	2-Chloroethylvinyl ether		16	83		*U*
95-49-8	2-Chlorotoluene		3.3	42	100	*U*
591-78-6	2-Hexanone		42	210		*U*
106-43-4	4-Chlorotoluene		3.3	42		*U*
108-10-1	4-Methyl-2-pentanone		35	210		*U*
67-64-1	Acetone	360	37	210		*D*
107-02-8	Acrolein		86	420		*U*
107-13-1	Acrylonitrile		30	420		*U*
71-43-2	Benzene		2.5	42	1	*U*
108-86-1	Bromobenzene		3.3	42		*U*
74-97-5	Bromochloromethane		3.3	42		*U*
75-27-4	Bromodichloromethane		2.5	42	0.6	*U*

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SW 8260B

MW-17

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1091.d Sampled: 11/04/14 16:35

Initial/Final: 25mL / 25mL Lab ID: 1411002-10 Received: 11/05/14 09:00

Dilution: 83.33 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 18:32

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		2.5	42	4	*U*
74-83-9	Bromomethane		9.2	42		*U*
75-15-0	Carbon disulfide	1.7	1.7	42	700	*JBD*
56-23-5	Carbon tetrachloride		2.5	42	0.3	*U*
108-90-7	Chlorobenzene		1.7	42	50	*U*
75-00-3	Chloroethane		17	42	3000	*U*
67-66-3	Chloroform		2.5	42	70	*U*
74-87-3	Chloromethane		9.2	42	3	*U*
156-59-2	cis-1,2-Dichloroethene	2900	2.5	42	70	*D*
10061-01-5	cis-1,3-Dichloropropene		3.3	42	0.4	*U*
124-48-1	Dibromochloromethane		3.3	42	0.4	*U*
74-95-3	Dibromomethane		2.5	42		*U*
75-71-8	Dichlorodifluoromethane		2.5	42	1000	*U*
100-41-4	Ethylbenzene		3.3	42	600	*U*
87-68-3	Hexachlorobutadiene		2.5	42	0.4	*U*
108-20-3	Isopropyl Ether		3.3	42	70	*U*
98-82-8	Isopropylbenzene		4.2	42	70	*U*
179601-23-1	m,p-Xylene		6.7	83		*U*
1634-04-4	Methyl tert-butyl ether		2.5	42	20	*U*
75-09-2	Methylene chloride		1.7	42		*U*
91-20-3	Naphthalene		12	42	6	*U*
104-51-8	n-Butylbenzene		1.7	42	70	*U*
103-65-1	n-Propylbenzene		2.5	42	70	*U*
95-47-6	o-Xylene		2.5	42		*U*
99-87-6	p-Isopropyltoluene		2.5	42		*U*
135-98-8	sec-Butylbenzene		1.7	42	70	*U*
100-42-5	Styrene		1.7	42	70	*U*
98-06-6	tert-Butylbenzene		2.5	42	70	*U*
127-18-4	Tetrachloroethene	55	5.0	42	0.7	*D*
108-88-3	Toluene		2.5	42	600	*U*
156-60-5	trans-1,2-Dichloroethene		4.2	42	100	*U*
10061-02-6	trans-1,3-Dichloropropene		4.2	42		*U*
79-01-6	Trichloroethene	40	2.5	42	3	*JD*
75-69-4	Trichlorofluoromethane	11	5.0	42	2000	*JD*

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SW 8260B

MW-17

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1091.d Sampled: 11/04/14 16:35

Initial/Final: 25mL / 25mL Lab ID: 1411002-10 Received: 11/05/14 09:00

Dilution: 83.33 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 18:32

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		5.0	42		*U*
75-01-4	Vinyl chloride	15	5.8	42	0.03	*JD*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.323	106	65 - 150	
1,2-Dichloroethane-d4	5.000	5.243	105	59 - 150	
Toluene-d8	5.000	4.458	89	61 - 145	
Bromofluorobenzene	5.000	4.632	93	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-18

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-07D91.d Sampled: 11/04/14 10:28

Initial/Final: 25mL / 25mL Lab ID: 1411002-07 Received: 11/05/14 09:00

Dilution: 3125 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 18:02

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		63	1600		*U*
71-55-6	1,1,1-Trichloroethane	28000	63	1600	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		160	1600	0.2	*U*
79-00-5	1,1,2-Trichloroethane		130	1600		*U*
75-34-3	1,1-Dichloroethane		63	1600	6	*U*
75-35-4	1,1-Dichloroethene	23000	130	1600	3501	*D*
563-58-6	1,1-Dichloropropene		94	1600		*U*
87-61-6	1,2,3-Trichlorobenzene		190	1600		*U*
96-18-4	1,2,3-Trichloropropane		280	1600	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		190	1600	70	*U*
95-63-6	1,2,4-Trimethylbenzene		63	1600	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		780	1600	0.04	*U*
106-93-4	1,2-Dibromoethane		130	1600	0.02	*U*
95-50-1	1,2-Dichlorobenzene		94	1600	20	*U*
107-06-2	1,2-Dichloroethane		94	1600	0.4	*U*
78-87-5	1,2-Dichloropropane		380	1600	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		94	1600	400	*U*
541-73-1	1,3-Dichlorobenzene		130	1600	200	*U*
142-28-9	1,3-Dichloropropane		94	1600		*U*
106-46-7	1,4-Dichlorobenzene		94	1600	6	*U*
594-20-7	2,2-Dichloropropane		94	1600		*U*
78-93-3	2-Butanone		880	7800	4000	*U*
110-75-8	2-Chloroethylvinyl ether		590	3100		*U*
95-49-8	2-Chlorotoluene		130	1600	100	*U*
591-78-6	2-Hexanone		1600	7800		*U*
106-43-4	4-Chlorotoluene		130	1600		*U*
108-10-1	4-Methyl-2-pentanone		1300	7800		*U*
67-64-1	Acetone	3600	1400	7800		*JD*
107-02-8	Acrolein		3200	16000		*U*
107-13-1	Acrylonitrile		1100	16000		*U*
71-43-2	Benzene		94	1600	1	*U*
108-86-1	Bromobenzene		130	1600		*U*
74-97-5	Bromochloromethane		130	1600		*U*
75-27-4	Bromodichloromethane		94	1600	0.6	*U*

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SW 8260B

MW-18

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-07D91.d Sampled: 11/04/14 10:28

Initial/Final: 25mL / 25mL Lab ID: 1411002-07 Received: 11/05/14 09:00

Dilution: 3125 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 18:02

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		94	1600	4	*U*
74-83-9	Bromomethane		340	1600		*U*
75-15-0	Carbon disulfide		63	1600	700	*U*
56-23-5	Carbon tetrachloride		94	1600	0.3	*U*
108-90-7	Chlorobenzene		63	1600	50	*U*
75-00-3	Chloroethane		630	1600	3000	*U*
67-66-3	Chloroform		94	1600	70	*U*
74-87-3	Chloromethane		340	1600	3	*U*
156-59-2	cis-1,2-Dichloroethene		94	1600	70	*U*
10061-01-5	cis-1,3-Dichloropropene		130	1600	0.4	*U*
124-48-1	Dibromochloromethane		130	1600	0.4	*U*
74-95-3	Dibromomethane		94	1600		*U*
75-71-8	Dichlorodifluoromethane		94	1600	1000	*U*
100-41-4	Ethylbenzene	220	130	1600	600	*JD*
87-68-3	Hexachlorobutadiene		94	1600	0.4	*U*
108-20-3	Isopropyl Ether		130	1600	70	*U*
98-82-8	Isopropylbenzene		160	1600	70	*U*
179601-23-1	m,p-Xylene	690	250	3100		*JD*
1634-04-4	Methyl tert-butyl ether		94	1600	20	*U*
75-09-2	Methylene chloride		63	1600		*U*
91-20-3	Naphthalene		470	1600	6	*U*
104-51-8	n-Butylbenzene		63	1600	70	*U*
103-65-1	n-Propylbenzene		94	1600	70	*U*
95-47-6	o-Xylene	190	94	1600		*JD*
99-87-6	p-Isopropyltoluene		94	1600		*U*
135-98-8	sec-Butylbenzene		63	1600	70	*U*
100-42-5	Styrene		63	1600	70	*U*
98-06-6	tert-Butylbenzene		94	1600	70	*U*
127-18-4	Tetrachloroethene	88000	190	1600	0.7	*D*
108-88-3	Toluene	210	94	1600	600	*JD*
156-60-5	trans-1,2-Dichloroethene		160	1600	100	*U*
10061-02-6	trans-1,3-Dichloropropene		160	1600		*U*
79-01-6	Trichloroethene	20000	94	1600	3	*D*
75-69-4	Trichlorofluoromethane	1100	190	1600	2000	*JD*

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SW 8260B

MW-18

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-07D91.d Sampled: 11/04/14 10:28

Initial/Final: 25mL / 25mL Lab ID: 1411002-07 Received: 11/05/14 09:00

Dilution: 3125 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 18:02

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		190	1600		*U*
75-01-4	Vinyl chloride		220	1600	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.103	102	65 - 150	
1,2-Dichloroethane-d4	5.000	5.111	102	59 - 150	
Toluene-d8	5.000	4.312	86	61 - 145	
Bromofluorobenzene	5.000	4.511	90	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-19

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1291.d Sampled: 11/04/14 11:35

Initial/Final: 25mL / 25mL Lab ID: 1411002-12 Received: 11/05/14 09:00

Dilution: 4.17 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 19:31

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.083	2.1		*U*
71-55-6	1,1,1-Trichloroethane	13	0.083	2.1	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		0.21	2.1	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.17	2.1		*U*
75-34-3	1,1-Dichloroethane	0.76	0.083	2.1	6	*JD*
75-35-4	1,1-Dichloroethene	12	0.17	2.1	3501	*D*
563-58-6	1,1-Dichloropropene		0.13	2.1		*U*
87-61-6	1,2,3-Trichlorobenzene		0.25	2.1		*U*
96-18-4	1,2,3-Trichloropropane		0.38	2.1	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.25	2.1	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.083	2.1	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		1.0	2.1	0.04	*U*
106-93-4	1,2-Dibromoethane		0.17	2.1	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.13	2.1	20	*U*
107-06-2	1,2-Dichloroethane		0.13	2.1	0.4	*U*
78-87-5	1,2-Dichloropropane		0.50	2.1	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.13	2.1	400	*U*
541-73-1	1,3-Dichlorobenzene		0.17	2.1	200	*U*
142-28-9	1,3-Dichloropropane		0.13	2.1		*U*
106-46-7	1,4-Dichlorobenzene		0.13	2.1	6	*U*
594-20-7	2,2-Dichloropropane		0.13	2.1		*U*
78-93-3	2-Butanone	9.3	1.2	10	4000	*JD*
110-75-8	2-Chloroethylvinyl ether		0.79	4.2		*U*
95-49-8	2-Chlorotoluene		0.17	2.1	100	*U*
591-78-6	2-Hexanone		2.1	10		*U*
106-43-4	4-Chlorotoluene		0.17	2.1		*U*
108-10-1	4-Methyl-2-pentanone		1.8	10		*U*
67-64-1	Acetone	120	1.8	10		*D*
107-02-8	Acrolein		4.3	21		*U*
107-13-1	Acrylonitrile		1.5	21		*U*
71-43-2	Benzene	1.2	0.13	2.1	1	*JD*
108-86-1	Bromobenzene		0.17	2.1		*U*
74-97-5	Bromochloromethane		0.17	2.1		*U*
75-27-4	Bromodichloromethane		0.13	2.1	0.6	*U*

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SW 8260B

MW-19

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1291.d Sampled: 11/04/14 11:35

Initial/Final: 25mL / 25mL Lab ID: 1411002-12 Received: 11/05/14 09:00

Dilution: 4.17 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 19:31

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.13	2.1	4	*U*
74-83-9	Bromomethane		0.46	2.1		*U*
75-15-0	Carbon disulfide	23	0.083	2.1	700	*BD*
56-23-5	Carbon tetrachloride		0.13	2.1	0.3	*U*
108-90-7	Chlorobenzene		0.083	2.1	50	*U*
75-00-3	Chloroethane		0.83	2.1	3000	*U*
67-66-3	Chloroform	0.30	0.13	2.1	70	*JD*
74-87-3	Chloromethane		0.46	2.1	3	*U*
156-59-2	cis-1,2-Dichloroethene	0.24	0.13	2.1	70	*JD*
10061-01-5	cis-1,3-Dichloropropene		0.17	2.1	0.4	*U*
124-48-1	Dibromochloromethane		0.17	2.1	0.4	*U*
74-95-3	Dibromomethane		0.13	2.1		*U*
75-71-8	Dichlorodifluoromethane		0.13	2.1	1000	*U*
100-41-4	Ethylbenzene		0.17	2.1	600	*U*
87-68-3	Hexachlorobutadiene		0.13	2.1	0.4	*U*
108-20-3	Isopropyl Ether		0.17	2.1	70	*U*
98-82-8	Isopropylbenzene		0.21	2.1	70	*U*
179601-23-1	m,p-Xylene		0.33	4.2		*U*
1634-04-4	Methyl tert-butyl ether		0.13	2.1	20	*U*
75-09-2	Methylene chloride	0.14	0.083	2.1		*JD*
91-20-3	Naphthalene		0.63	2.1	6	*U*
104-51-8	n-Butylbenzene		0.083	2.1	70	*U*
103-65-1	n-Propylbenzene		0.13	2.1	70	*U*
95-47-6	o-Xylene		0.13	2.1		*U*
99-87-6	p-Isopropyltoluene		0.13	2.1		*U*
135-98-8	sec-Butylbenzene		0.083	2.1	70	*U*
100-42-5	Styrene		0.083	2.1	70	*U*
98-06-6	tert-Butylbenzene		0.13	2.1	70	*U*
127-18-4	Tetrachloroethene	100	0.25	2.1	0.7	*D*
108-88-3	Toluene	0.15	0.13	2.1	600	*JD*
156-60-5	trans-1,2-Dichloroethene		0.21	2.1	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.21	2.1		*U*
79-01-6	Trichloroethene	5.5	0.13	2.1	3	*D*
75-69-4	Trichlorofluoromethane		0.25	2.1	2000	*U*

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SW 8260B

MW-19

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1291.d Sampled: 11/04/14 11:35

Initial/Final: 25mL / 25mL Lab ID: 1411002-12 Received: 11/05/14 09:00

Dilution: 4.17 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 19:31

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.25	2.1		*U*
75-01-4	Vinyl chloride		0.29	2.1	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.349	107	65 - 150	
1,2-Dichloroethane-d4	5.000	5.273	105	59 - 150	
Toluene-d8	5.000	4.506	90	61 - 145	
Bromofluorobenzene	5.000	4.630	93	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1491.d Sampled: 11/04/14 14:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-14 Received: 11/05/14 09:00

Dilution: 100 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 20:30

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		2.0	50		*U*
71-55-6	1,1,1-Trichloroethane		2.0	50	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		5.0	50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		4.0	50		*U*
75-34-3	1,1-Dichloroethane		2.0	50	6	*U*
75-35-4	1,1-Dichloroethene	390	4.0	50	3501	*D*
563-58-6	1,1-Dichloropropene		3.0	50		*U*
87-61-6	1,2,3-Trichlorobenzene		6.0	50		*U*
96-18-4	1,2,3-Trichloropropane		9.0	50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		6.0	50	70	*U*
95-63-6	1,2,4-Trimethylbenzene		2.0	50	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		25	50	0.04	*U*
106-93-4	1,2-Dibromoethane		4.0	50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		3.0	50	20	*U*
107-06-2	1,2-Dichloroethane		3.0	50	0.4	*U*
78-87-5	1,2-Dichloropropane		12	50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		3.0	50	400	*U*
541-73-1	1,3-Dichlorobenzene		4.0	50	200	*U*
142-28-9	1,3-Dichloropropane		3.0	50		*U*
106-46-7	1,4-Dichlorobenzene		3.0	50	6	*U*
594-20-7	2,2-Dichloropropane		3.0	50		*U*
78-93-3	2-Butanone		28	250	4000	*U*
110-75-8	2-Chloroethylvinyl ether		19	100		*U*
95-49-8	2-Chlorotoluene		4.0	50	100	*U*
591-78-6	2-Hexanone		51	250		*U*
106-43-4	4-Chlorotoluene		4.0	50		*U*
108-10-1	4-Methyl-2-pentanone		42	250		*U*
67-64-1	Acetone	300	44	250		*D*
107-02-8	Acrolein		100	500		*U*
107-13-1	Acrylonitrile		36	500		*U*
71-43-2	Benzene		3.0	50	1	*U*
108-86-1	Bromobenzene		4.0	50		*U*
74-97-5	Bromochloromethane		4.0	50		*U*
75-27-4	Bromodichloromethane		3.0	50	0.6	*U*

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SW 8260B

MW-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1491.d Sampled: 11/04/14 14:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-14 Received: 11/05/14 09:00

Dilution: 100 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 20:30

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		3.0	50	4	*U*
74-83-9	Bromomethane		11	50		*U*
75-15-0	Carbon disulfide	17	2.0	50	700	*JBD*
56-23-5	Carbon tetrachloride		3.0	50	0.3	*U*
108-90-7	Chlorobenzene		2.0	50	50	*U*
75-00-3	Chloroethane		20	50	3000	*U*
67-66-3	Chloroform		3.0	50	70	*U*
74-87-3	Chloromethane		11	50	3	*U*
156-59-2	cis-1,2-Dichloroethene	2700	3.0	50	70	*D*
10061-01-5	cis-1,3-Dichloropropene		4.0	50	0.4	*U*
124-48-1	Dibromochloromethane		4.0	50	0.4	*U*
74-95-3	Dibromomethane		3.0	50		*U*
75-71-8	Dichlorodifluoromethane		3.0	50	1000	*U*
100-41-4	Ethylbenzene		4.0	50	600	*U*
87-68-3	Hexachlorobutadiene		3.0	50	0.4	*U*
108-20-3	Isopropyl Ether		4.0	50	70	*U*
98-82-8	Isopropylbenzene		5.0	50	70	*U*
179601-23-1	m,p-Xylene		8.0	100		*U*
1634-04-4	Methyl tert-butyl ether		3.0	50	20	*U*
75-09-2	Methylene chloride		2.0	50		*U*
91-20-3	Naphthalene		15	50	6	*U*
104-51-8	n-Butylbenzene		2.0	50	70	*U*
103-65-1	n-Propylbenzene		3.0	50	70	*U*
95-47-6	o-Xylene		3.0	50		*U*
99-87-6	p-Isopropyltoluene		3.0	50		*U*
135-98-8	sec-Butylbenzene		2.0	50	70	*U*
100-42-5	Styrene		2.0	50	70	*U*
98-06-6	tert-Butylbenzene		3.0	50	70	*U*
127-18-4	Tetrachloroethene	9.1	6.0	50	0.7	*JD*
108-88-3	Toluene		3.0	50	600	*U*
156-60-5	trans-1,2-Dichloroethene	5.6	5.0	50	100	*JD*
10061-02-6	trans-1,3-Dichloropropene		5.0	50		*U*
79-01-6	Trichloroethene	14	3.0	50	3	*JD*
75-69-4	Trichlorofluoromethane		6.0	50	2000	*U*

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SW 8260B

MW-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1491.d Sampled: 11/04/14 14:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-14 Received: 11/05/14 09:00

Dilution: 100 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 20:30

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		6.0	50		*U*
75-01-4	Vinyl chloride	58	7.0	50	0.03	*D*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.444	109	65 - 150	
1,2-Dichloroethane-d4	5.000	5.462	109	59 - 150	
Toluene-d8	5.000	4.227	85	61 - 145	
Bromofluorobenzene	5.000	4.449	89	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-20

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0291.d Sampled: 11/03/14 15:15

Initial/Final: 25mL / 25mL Lab ID: 1411002-02 Received: 11/04/14 09:00

Dilution: 35.71 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 22:08

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.71	18		*U*
71-55-6	1,1,1-Trichloroethane	28	0.71	18	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		1.8	18	0.2	*U*
79-00-5	1,1,2-Trichloroethane		1.4	18		*U*
75-34-3	1,1-Dichloroethane	12	0.71	18	6	*JD*
75-35-4	1,1-Dichloroethene	120	1.4	18	3501	*D*
563-58-6	1,1-Dichloropropene		1.1	18		*U*
87-61-6	1,2,3-Trichlorobenzene		2.1	18		*U*
96-18-4	1,2,3-Trichloropropane		3.2	18	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		2.1	18	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.71	18	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		8.9	18	0.04	*U*
106-93-4	1,2-Dibromoethane		1.4	18	0.02	*U*
95-50-1	1,2-Dichlorobenzene		1.1	18	20	*U*
107-06-2	1,2-Dichloroethane		1.1	18	0.4	*U*
78-87-5	1,2-Dichloropropane		4.3	18	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		1.1	18	400	*U*
541-73-1	1,3-Dichlorobenzene		1.4	18	200	*U*
142-28-9	1,3-Dichloropropane		1.1	18		*U*
106-46-7	1,4-Dichlorobenzene		1.1	18	6	*U*
594-20-7	2,2-Dichloropropane		1.1	18		*U*
78-93-3	2-Butanone	42	10	89	4000	*JD*
110-75-8	2-Chloroethylvinyl ether		6.8	36		*U*
95-49-8	2-Chlorotoluene		1.4	18	100	*U*
591-78-6	2-Hexanone		18	89		*U*
106-43-4	4-Chlorotoluene		1.4	18		*U*
108-10-1	4-Methyl-2-pentanone		15	89		*U*
67-64-1	Acetone	350	16	89		*D*
107-02-8	Acrolein		37	180		*U*
107-13-1	Acrylonitrile		13	180		*U*
71-43-2	Benzene		1.1	18	1	*U*
108-86-1	Bromobenzene		1.4	18		*U*
74-97-5	Bromochloromethane		1.4	18		*U*
75-27-4	Bromodichloromethane		1.1	18	0.6	*U*

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SW 8260B

MW-20

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0291.d Sampled: 11/03/14 15:15

Initial/Final: 25mL / 25mL Lab ID: 1411002-02 Received: 11/04/14 09:00

Dilution: 35.71 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 22:08

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		1.1	18	4	*U*
74-83-9	Bromomethane		3.9	18		*U*
75-15-0	Carbon disulfide	20	0.71	18	700	*D*
56-23-5	Carbon tetrachloride		1.1	18	0.3	*U*
108-90-7	Chlorobenzene		0.71	18	50	*U*
75-00-3	Chloroethane		7.1	18	3000	*U*
67-66-3	Chloroform		1.1	18	70	*U*
74-87-3	Chloromethane		3.9	18	3	*U*
156-59-2	cis-1,2-Dichloroethene	1.5	1.1	18	70	*JD*
10061-01-5	cis-1,3-Dichloropropene		1.4	18	0.4	*U*
124-48-1	Dibromochloromethane		1.4	18	0.4	*U*
74-95-3	Dibromomethane		1.1	18		*U*
75-71-8	Dichlorodifluoromethane		1.1	18	1000	*U*
100-41-4	Ethylbenzene		1.4	18	600	*U*
87-68-3	Hexachlorobutadiene		1.1	18	0.4	*U*
108-20-3	Isopropyl Ether		1.4	18	70	*U*
98-82-8	Isopropylbenzene		1.8	18	70	*U*
179601-23-1	m,p-Xylene		2.9	36		*U*
1634-04-4	Methyl tert-butyl ether		1.1	18	20	*U*
75-09-2	Methylene chloride	4.8	0.71	18		*JBD*
91-20-3	Naphthalene		5.4	18	6	*U*
104-51-8	n-Butylbenzene		0.71	18	70	*U*
103-65-1	n-Propylbenzene		1.1	18	70	*U*
95-47-6	o-Xylene		1.1	18		*U*
99-87-6	p-Isopropyltoluene		1.1	18		*U*
135-98-8	sec-Butylbenzene		0.71	18	70	*U*
100-42-5	Styrene		0.71	18	70	*U*
98-06-6	tert-Butylbenzene		1.1	18	70	*U*
127-18-4	Tetrachloroethene	1100	2.1	18	0.7	*D*
108-88-3	Toluene		1.1	18	600	*U*
156-60-5	trans-1,2-Dichloroethene		1.8	18	100	*U*
10061-02-6	trans-1,3-Dichloropropene		1.8	18		*U*
79-01-6	Trichloroethene	64	1.1	18	3	*D*
75-69-4	Trichlorofluoromethane		2.1	18	2000	*U*

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ANALYSIS DATA SHEET

SW 8260B

MW-20

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0291.d Sampled: 11/03/14 15:15

Initial/Final: 25mL / 25mL Lab ID: 1411002-02 Received: 11/04/14 09:00

Dilution: 35.71 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 22:08

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		2.1	18		*U*
75-01-4	Vinyl chloride		2.5	18	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.084	102	65 - 150	
1,2-Dichloroethane-d4	5.000	5.108	102	59 - 150	
Toluene-d8	5.000	4.515	90	61 - 145	
Bromofluorobenzene	5.000	4.655	93	63 - 143	

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

SW 8260B

MW-3

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0891.d Sampled: 11/04/14 12:55

Initial/Final: 25mL / 25mL Lab ID: 1411002-08 Received: 11/05/14 09:00

Dilution: 25 pH: 4 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 00:34

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.50	13		*U*
71-55-6	1,1,1-Trichloroethane	1.6	0.50	13	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		1.3	13	0.2	*U*
79-00-5	1,1,2-Trichloroethane		1.0	13		*U*
75-34-3	1,1-Dichloroethane		0.50	13	6	*U*
75-35-4	1,1-Dichloroethene		1.0	13	3501	*U*
563-58-6	1,1-Dichloropropene		0.75	13		*U*
87-61-6	1,2,3-Trichlorobenzene		1.5	13		*U*
96-18-4	1,2,3-Trichloropropane		2.3	13	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		1.5	13	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.50	13	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		6.3	13	0.04	*U*
106-93-4	1,2-Dibromoethane		1.0	13	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.75	13	20	*U*
107-06-2	1,2-Dichloroethane		0.75	13	0.4	*U*
78-87-5	1,2-Dichloropropane		3.0	13	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.75	13	400	*U*
541-73-1	1,3-Dichlorobenzene		1.0	13	200	*U*
142-28-9	1,3-Dichloropropane		0.75	13		*U*
106-46-7	1,4-Dichlorobenzene		0.75	13	6	*U*
594-20-7	2,2-Dichloropropane		0.75	13		*U*
78-93-3	2-Butanone	31	7.0	63	4000	*JD*
110-75-8	2-Chloroethylvinyl ether		4.8	25		*U*
95-49-8	2-Chlorotoluene		1.0	13	100	*U*
591-78-6	2-Hexanone		13	63		*U*
106-43-4	4-Chlorotoluene		1.0	13		*U*
108-10-1	4-Methyl-2-pentanone		11	63		*U*
67-64-1	Acetone	130	11	63		*D*
107-02-8	Acrolein		26	130		*U*
107-13-1	Acrylonitrile		9.0	130		*U*
71-43-2	Benzene		0.75	13	1	*U*
108-86-1	Bromobenzene		1.0	13		*U*
74-97-5	Bromochloromethane		1.0	13		*U*
75-27-4	Bromodichloromethane		0.75	13	0.6	*U*

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ANALYSIS DATA SHEET

SW 8260B

MW-3

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0891.d Sampled: 11/04/14 12:55

Initial/Final: 25mL / 25mL Lab ID: 1411002-08 Received: 11/05/14 09:00

Dilution: 25 pH: 4 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 00:34

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.75	13	4	*U*
74-83-9	Bromomethane		2.8	13		*U*
75-15-0	Carbon disulfide	14	0.50	13	700	*D*
56-23-5	Carbon tetrachloride		0.75	13	0.3	*U*
108-90-7	Chlorobenzene		0.50	13	50	*U*
75-00-3	Chloroethane		5.0	13	3000	*U*
67-66-3	Chloroform		0.75	13	70	*U*
74-87-3	Chloromethane		2.8	13	3	*U*
156-59-2	cis-1,2-Dichloroethene		0.75	13	70	*U*
10061-01-5	cis-1,3-Dichloropropene		1.0	13	0.4	*U*
124-48-1	Dibromochloromethane		1.0	13	0.4	*U*
74-95-3	Dibromomethane		0.75	13		*U*
75-71-8	Dichlorodifluoromethane		0.75	13	1000	*U*
100-41-4	Ethylbenzene		1.0	13	600	*U*
87-68-3	Hexachlorobutadiene		0.75	13	0.4	*U*
108-20-3	Isopropyl Ether		1.0	13	70	*U*
98-82-8	Isopropylbenzene		1.3	13	70	*U*
179601-23-1	m,p-Xylene		2.0	25		*U*
1634-04-4	Methyl tert-butyl ether		0.75	13	20	*U*
75-09-2	Methylene chloride	2.1	0.50	13		*JBD*
91-20-3	Naphthalene		3.8	13	6	*U*
104-51-8	n-Butylbenzene		0.50	13	70	*U*
103-65-1	n-Propylbenzene		0.75	13	70	*U*
95-47-6	o-Xylene		0.75	13		*U*
99-87-6	p-Isopropyltoluene		0.75	13		*U*
135-98-8	sec-Butylbenzene		0.50	13	70	*U*
100-42-5	Styrene		0.50	13	70	*U*
98-06-6	tert-Butylbenzene		0.75	13	70	*U*
127-18-4	Tetrachloroethene	770	1.5	13	0.7	*D*
108-88-3	Toluene	0.78	0.75	13	600	*JD*
156-60-5	trans-1,2-Dichloroethene		1.3	13	100	*U*
10061-02-6	trans-1,3-Dichloropropene		1.3	13		*U*
79-01-6	Trichloroethene		0.75	13	3	*U*
75-69-4	Trichlorofluoromethane		1.5	13	2000	*U*

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SW 8260B

MW-3

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0891.d Sampled: 11/04/14 12:55

Initial/Final: 25mL / 25mL Lab ID: 1411002-08 Received: 11/05/14 09:00

Dilution: 25 pH: 4 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 00:34

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		1.5	13		*U*
75-01-4	Vinyl chloride		1.8	13	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.109	102	65 - 150	
1,2-Dichloroethane-d4	5.000	5.066	101	59 - 150	
Toluene-d8	5.000	4.712	94	61 - 145	
Bromofluorobenzene	5.000	4.734	95	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-4

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1191.d Sampled: 11/04/14 09:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-11 Received: 11/05/14 09:00

Dilution: 714.29 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 19:01

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		14	360		*U*
71-55-6	1,1,1-Trichloroethane	8800	14	360	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		36	360	0.2	*U*
79-00-5	1,1,2-Trichloroethane		29	360		*U*
75-34-3	1,1-Dichloroethane		14	360	6	*U*
75-35-4	1,1-Dichloroethene	5100	29	360	3501	*D*
563-58-6	1,1-Dichloropropene		21	360		*U*
87-61-6	1,2,3-Trichlorobenzene		43	360		*U*
96-18-4	1,2,3-Trichloropropane		64	360	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		43	360	70	*U*
95-63-6	1,2,4-Trimethylbenzene		14	360	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		180	360	0.04	*U*
106-93-4	1,2-Dibromoethane		29	360	0.02	*U*
95-50-1	1,2-Dichlorobenzene		21	360	20	*U*
107-06-2	1,2-Dichloroethane		21	360	0.4	*U*
78-87-5	1,2-Dichloropropane		86	360	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		21	360	400	*U*
541-73-1	1,3-Dichlorobenzene		29	360	200	*U*
142-28-9	1,3-Dichloropropane		21	360		*U*
106-46-7	1,4-Dichlorobenzene		21	360	6	*U*
594-20-7	2,2-Dichloropropane		21	360		*U*
78-93-3	2-Butanone		200	1800	4000	*U*
110-75-8	2-Chloroethylvinyl ether		140	710		*U*
95-49-8	2-Chlorotoluene		29	360	100	*U*
591-78-6	2-Hexanone		360	1800		*U*
106-43-4	4-Chlorotoluene		29	360		*U*
108-10-1	4-Methyl-2-pentanone		300	1800		*U*
67-64-1	Acetone	1600	310	1800		*JD*
107-02-8	Acrolein		740	3600		*U*
107-13-1	Acrylonitrile		260	3600		*U*
71-43-2	Benzene		21	360	1	*U*
108-86-1	Bromobenzene		29	360		*U*
74-97-5	Bromochloromethane		29	360		*U*
75-27-4	Bromodichloromethane		21	360	0.6	*U*

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SW 8260B

MW-4

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1191.d Sampled: 11/04/14 09:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-11 Received: 11/05/14 09:00

Dilution: 714.29 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 19:01

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		21	360	4	*U*
74-83-9	Bromomethane		79	360		*U*
75-15-0	Carbon disulfide		14	360	700	*U*
56-23-5	Carbon tetrachloride		21	360	0.3	*U*
108-90-7	Chlorobenzene		14	360	50	*U*
75-00-3	Chloroethane		140	360	3000	*U*
67-66-3	Chloroform		21	360	70	*U*
74-87-3	Chloromethane		79	360	3	*U*
156-59-2	cis-1,2-Dichloroethene		21	360	70	*U*
10061-01-5	cis-1,3-Dichloropropene		29	360	0.4	*U*
124-48-1	Dibromochloromethane		29	360	0.4	*U*
74-95-3	Dibromomethane		21	360		*U*
75-71-8	Dichlorodifluoromethane		21	360	1000	*U*
100-41-4	Ethylbenzene	56	29	360	600	*JD*
87-68-3	Hexachlorobutadiene		21	360	0.4	*U*
108-20-3	Isopropyl Ether		29	360	70	*U*
98-82-8	Isopropylbenzene		36	360	70	*U*
179601-23-1	m,p-Xylene	180	57	710		*JD*
1634-04-4	Methyl tert-butyl ether		21	360	20	*U*
75-09-2	Methylene chloride		14	360		*U*
91-20-3	Naphthalene		110	360	6	*U*
104-51-8	n-Butylbenzene		14	360	70	*U*
103-65-1	n-Propylbenzene		21	360	70	*U*
95-47-6	o-Xylene	47	21	360		*JD*
99-87-6	p-Isopropyltoluene		21	360		*U*
135-98-8	sec-Butylbenzene		14	360	70	*U*
100-42-5	Styrene		14	360	70	*U*
98-06-6	tert-Butylbenzene		21	360	70	*U*
127-18-4	Tetrachloroethene	26000	43	360	0.7	*D*
108-88-3	Toluene	41	21	360	600	*JD*
156-60-5	trans-1,2-Dichloroethene		36	360	100	*U*
10061-02-6	trans-1,3-Dichloropropene		36	360		*U*
79-01-6	Trichloroethene	4800	21	360	3	*D*
75-69-4	Trichlorofluoromethane	200	43	360	2000	*JD*

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SW 8260B

MW-4

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1191.d Sampled: 11/04/14 09:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-11 Received: 11/05/14 09:00

Dilution: 714.29 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 19:01

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		43	360		*U*
75-01-4	Vinyl chloride		50	360	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.251	105	65 - 150	
1,2-Dichloroethane-d4	5.000	5.278	106	59 - 150	
Toluene-d8	5.000	4.365	87	61 - 145	
Bromofluorobenzene	5.000	4.615	92	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-5

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1991.d Sampled: 11/05/14 14:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-19 Received: 11/06/14 08:30

Dilution: 6.25 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 22:29

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.13	3.1		*U*
71-55-6	1,1,1-Trichloroethane	0.86	0.13	3.1	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		0.31	3.1	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.25	3.1		*U*
75-34-3	1,1-Dichloroethane		0.13	3.1	6	*U*
75-35-4	1,1-Dichloroethene	5.8	0.25	3.1	3501	*D*
563-58-6	1,1-Dichloropropene		0.19	3.1		*U*
87-61-6	1,2,3-Trichlorobenzene		0.38	3.1		*U*
96-18-4	1,2,3-Trichloropropane		0.56	3.1	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.38	3.1	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.13	3.1	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		1.6	3.1	0.04	*U*
106-93-4	1,2-Dibromoethane		0.25	3.1	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.19	3.1	20	*U*
107-06-2	1,2-Dichloroethane		0.19	3.1	0.4	*U*
78-87-5	1,2-Dichloropropane		0.75	3.1	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.19	3.1	400	*U*
541-73-1	1,3-Dichlorobenzene		0.25	3.1	200	*U*
142-28-9	1,3-Dichloropropane		0.19	3.1		*U*
106-46-7	1,4-Dichlorobenzene		0.19	3.1	6	*U*
594-20-7	2,2-Dichloropropane		0.19	3.1		*U*
78-93-3	2-Butanone		1.8	16	4000	*U*
110-75-8	2-Chloroethylvinyl ether		1.2	6.3		*U*
95-49-8	2-Chlorotoluene		0.25	3.1	100	*U*
591-78-6	2-Hexanone		3.2	16		*U*
106-43-4	4-Chlorotoluene		0.25	3.1		*U*
108-10-1	4-Methyl-2-pentanone		2.6	16		*U*
67-64-1	Acetone		2.8	16		*U*
107-02-8	Acrolein		6.4	31		*U*
107-13-1	Acrylonitrile		2.3	31		*U*
71-43-2	Benzene	2.1	0.19	3.1	1	*JD*
108-86-1	Bromobenzene		0.25	3.1		*U*
74-97-5	Bromochloromethane		0.25	3.1		*U*
75-27-4	Bromodichloromethane		0.19	3.1	0.6	*U*

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SW 8260B

MW-5

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1991.d Sampled: 11/05/14 14:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-19 Received: 11/06/14 08:30

Dilution: 6.25 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 22:29

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.19	3.1	4	*U*
74-83-9	Bromomethane		0.69	3.1		*U*
75-15-0	Carbon disulfide		0.13	3.1	700	*U*
56-23-5	Carbon tetrachloride		0.19	3.1	0.3	*U*
108-90-7	Chlorobenzene		0.13	3.1	50	*U*
75-00-3	Chloroethane		1.3	3.1	3000	*U*
67-66-3	Chloroform		0.19	3.1	70	*U*
74-87-3	Chloromethane		0.69	3.1	3	*U*
156-59-2	cis-1,2-Dichloroethene	0.49	0.19	3.1	70	*JD*
10061-01-5	cis-1,3-Dichloropropene		0.25	3.1	0.4	*U*
124-48-1	Dibromochloromethane		0.25	3.1	0.4	*U*
74-95-3	Dibromomethane		0.19	3.1		*U*
75-71-8	Dichlorodifluoromethane		0.19	3.1	1000	*U*
100-41-4	Ethylbenzene		0.25	3.1	600	*U*
87-68-3	Hexachlorobutadiene		0.19	3.1	0.4	*U*
108-20-3	Isopropyl Ether		0.25	3.1	70	*U*
98-82-8	Isopropylbenzene		0.31	3.1	70	*U*
179601-23-1	m,p-Xylene	0.63	0.50	6.3		*JD*
1634-04-4	Methyl tert-butyl ether		0.19	3.1	20	*U*
75-09-2	Methylene chloride		0.13	3.1		*U*
91-20-3	Naphthalene		0.94	3.1	6	*U*
104-51-8	n-Butylbenzene		0.13	3.1	70	*U*
103-65-1	n-Propylbenzene		0.19	3.1	70	*U*
95-47-6	o-Xylene	0.43	0.19	3.1		*JD*
99-87-6	p-Isopropyltoluene		0.19	3.1		*U*
135-98-8	sec-Butylbenzene		0.13	3.1	70	*U*
100-42-5	Styrene		0.13	3.1	70	*U*
98-06-6	tert-Butylbenzene		0.19	3.1	70	*U*
127-18-4	Tetrachloroethene	210	0.38	3.1	0.7	*D*
108-88-3	Toluene	0.43	0.19	3.1	600	*JD*
156-60-5	trans-1,2-Dichloroethene		0.31	3.1	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.31	3.1		*U*
79-01-6	Trichloroethene	0.43	0.19	3.1	3	*JD*
75-69-4	Trichlorofluoromethane		0.38	3.1	2000	*U*

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SW 8260B

MW-5

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1991.d Sampled: 11/05/14 14:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-19 Received: 11/06/14 08:30

Dilution: 6.25 pH: 2 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 22:29

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.38	3.1		*U*
75-01-4	Vinyl chloride		0.44	3.1	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.531	111	65 - 150	
1,2-Dichloroethane-d4	5.000	5.620	112	59 - 150	
Toluene-d8	5.000	4.258	85	61 - 145	
Bromofluorobenzene	5.000	4.530	91	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-7

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0391.d Sampled: 11/03/14 13:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-03 Received: 11/04/14 09:00

Dilution: 35.71 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 22:37

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.71	18		*U*
71-55-6	1,1,1-Trichloroethane	83	0.71	18	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		1.8	18	0.2	*U*
79-00-5	1,1,2-Trichloroethane		1.4	18		*U*
75-34-3	1,1-Dichloroethane	3.8	0.71	18	6	*JD*
75-35-4	1,1-Dichloroethene	380	1.4	18	3501	*D*
563-58-6	1,1-Dichloropropene		1.1	18		*U*
87-61-6	1,2,3-Trichlorobenzene		2.1	18		*U*
96-18-4	1,2,3-Trichloropropane		3.2	18	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		2.1	18	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.71	18	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		8.9	18	0.04	*U*
106-93-4	1,2-Dibromoethane		1.4	18	0.02	*U*
95-50-1	1,2-Dichlorobenzene		1.1	18	20	*U*
107-06-2	1,2-Dichloroethane		1.1	18	0.4	*U*
78-87-5	1,2-Dichloropropane		4.3	18	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		1.1	18	400	*U*
541-73-1	1,3-Dichlorobenzene		1.4	18	200	*U*
142-28-9	1,3-Dichloropropane		1.1	18		*U*
106-46-7	1,4-Dichlorobenzene		1.1	18	6	*U*
594-20-7	2,2-Dichloropropane		1.1	18		*U*
78-93-3	2-Butanone		10	89	4000	*U*
110-75-8	2-Chloroethylvinyl ether		6.8	36		*U*
95-49-8	2-Chlorotoluene		1.4	18	100	*U*
591-78-6	2-Hexanone		18	89		*U*
106-43-4	4-Chlorotoluene		1.4	18		*U*
108-10-1	4-Methyl-2-pentanone		15	89		*U*
67-64-1	Acetone	52	16	89		*JD*
107-02-8	Acrolein		37	180		*U*
107-13-1	Acrylonitrile		13	180		*U*
71-43-2	Benzene		1.1	18	1	*U*
108-86-1	Bromobenzene		1.4	18		*U*
74-97-5	Bromochloromethane		1.4	18		*U*
75-27-4	Bromodichloromethane		1.1	18	0.6	*U*

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SW 8260B

MW-7

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0391.d Sampled: 11/03/14 13:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-03 Received: 11/04/14 09:00

Dilution: 35.71 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 22:37

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		1.1	18	4	*U*
74-83-9	Bromomethane		3.9	18		*U*
75-15-0	Carbon disulfide	2.2	0.71	18	700	*JD*
56-23-5	Carbon tetrachloride		1.1	18	0.3	*U*
108-90-7	Chlorobenzene		0.71	18	50	*U*
75-00-3	Chloroethane		7.1	18	3000	*U*
67-66-3	Chloroform		1.1	18	70	*U*
74-87-3	Chloromethane		3.9	18	3	*U*
156-59-2	cis-1,2-Dichloroethene	5.1	1.1	18	70	*JD*
10061-01-5	cis-1,3-Dichloropropene		1.4	18	0.4	*U*
124-48-1	Dibromochloromethane		1.4	18	0.4	*U*
74-95-3	Dibromomethane		1.1	18		*U*
75-71-8	Dichlorodifluoromethane		1.1	18	1000	*U*
100-41-4	Ethylbenzene		1.4	18	600	*U*
87-68-3	Hexachlorobutadiene		1.1	18	0.4	*U*
108-20-3	Isopropyl Ether		1.4	18	70	*U*
98-82-8	Isopropylbenzene		1.8	18	70	*U*
179601-23-1	m,p-Xylene		2.9	36		*U*
1634-04-4	Methyl tert-butyl ether		1.1	18	20	*U*
75-09-2	Methylene chloride	5.0	0.71	18		*JBD*
91-20-3	Naphthalene		5.4	18	6	*U*
104-51-8	n-Butylbenzene		0.71	18	70	*U*
103-65-1	n-Propylbenzene		1.1	18	70	*U*
95-47-6	o-Xylene		1.1	18		*U*
99-87-6	p-Isopropyltoluene		1.1	18		*U*
135-98-8	sec-Butylbenzene		0.71	18	70	*U*
100-42-5	Styrene		0.71	18	70	*U*
98-06-6	tert-Butylbenzene		1.1	18	70	*U*
127-18-4	Tetrachloroethene	1300	2.1	18	0.7	*D*
108-88-3	Toluene		1.1	18	600	*U*
156-60-5	trans-1,2-Dichloroethene		1.8	18	100	*U*
10061-02-6	trans-1,3-Dichloropropene		1.8	18		*U*
79-01-6	Trichloroethene	120	1.1	18	3	*D*
75-69-4	Trichlorofluoromethane	8.0	2.1	18	2000	*JD*

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SW 8260B

MW-7

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0391.d Sampled: 11/03/14 13:40

Initial/Final: 25mL / 25mL Lab ID: 1411002-03 Received: 11/04/14 09:00

Dilution: 35.71 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 22:37

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		2.1	18		*U*
75-01-4	Vinyl chloride		2.5	18	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.086	102	65 - 150	
1,2-Dichloroethane-d4	5.000	5.056	101	59 - 150	
Toluene-d8	5.000	4.483	90	61 - 145	
Bromofluorobenzene	5.000	4.616	92	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-8

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0591.d Sampled: 11/03/14 13:50

Initial/Final: 25mL / 25mL Lab ID: 1411002-05 Received: 11/04/14 09:00

Dilution: 10 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 23:36

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.20	5.0		*U*
71-55-6	1,1,1-Trichloroethane	4.7	0.20	5.0	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		0.50	5.0	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.40	5.0		*U*
75-34-3	1,1-Dichloroethane	14	0.20	5.0	6	*D*
75-35-4	1,1-Dichloroethene	120	0.40	5.0	3501	*D*
563-58-6	1,1-Dichloropropene		0.30	5.0		*U*
87-61-6	1,2,3-Trichlorobenzene		0.60	5.0		*U*
96-18-4	1,2,3-Trichloropropane		0.90	5.0	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.60	5.0	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.20	5.0	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		2.5	5.0	0.04	*U*
106-93-4	1,2-Dibromoethane		0.40	5.0	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.30	5.0	20	*U*
107-06-2	1,2-Dichloroethane		0.30	5.0	0.4	*U*
78-87-5	1,2-Dichloropropane		1.2	5.0	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.30	5.0	400	*U*
541-73-1	1,3-Dichlorobenzene		0.40	5.0	200	*U*
142-28-9	1,3-Dichloropropane		0.30	5.0		*U*
106-46-7	1,4-Dichlorobenzene		0.30	5.0	6	*U*
594-20-7	2,2-Dichloropropane		0.30	5.0		*U*
78-93-3	2-Butanone		2.8	25	4000	*U*
110-75-8	2-Chloroethylvinyl ether		1.9	10		*U*
95-49-8	2-Chlorotoluene		0.40	5.0	100	*U*
591-78-6	2-Hexanone		5.1	25		*U*
106-43-4	4-Chlorotoluene		0.40	5.0		*U*
108-10-1	4-Methyl-2-pentanone		4.2	25		*U*
67-64-1	Acetone	49	4.4	25		*D*
107-02-8	Acrolein		10	50		*U*
107-13-1	Acrylonitrile		3.6	50		*U*
71-43-2	Benzene		0.30	5.0	1	*U*
108-86-1	Bromobenzene		0.40	5.0		*U*
74-97-5	Bromochloromethane		0.40	5.0		*U*
75-27-4	Bromodichloromethane		0.30	5.0	0.6	*U*

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SW 8260B

MW-8

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0591.d Sampled: 11/03/14 13:50

Initial/Final: 25mL / 25mL Lab ID: 1411002-05 Received: 11/04/14 09:00

Dilution: 10 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 23:36

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.30	5.0	4	*U*
74-83-9	Bromomethane		1.1	5.0		*U*
75-15-0	Carbon disulfide	0.55	0.20	5.0	700	*JD*
56-23-5	Carbon tetrachloride		0.30	5.0	0.3	*U*
108-90-7	Chlorobenzene		0.20	5.0	50	*U*
75-00-3	Chloroethane		2.0	5.0	3000	*U*
67-66-3	Chloroform		0.30	5.0	70	*U*
74-87-3	Chloromethane		1.1	5.0	3	*U*
156-59-2	cis-1,2-Dichloroethene	360	0.30	5.0	70	*D*
10061-01-5	cis-1,3-Dichloropropene		0.40	5.0	0.4	*U*
124-48-1	Dibromochloromethane		0.40	5.0	0.4	*U*
74-95-3	Dibromomethane		0.30	5.0		*U*
75-71-8	Dichlorodifluoromethane		0.30	5.0	1000	*U*
100-41-4	Ethylbenzene		0.40	5.0	600	*U*
87-68-3	Hexachlorobutadiene		0.30	5.0	0.4	*U*
108-20-3	Isopropyl Ether		0.40	5.0	70	*U*
98-82-8	Isopropylbenzene		0.50	5.0	70	*U*
179601-23-1	m,p-Xylene		0.80	10		*U*
1634-04-4	Methyl tert-butyl ether		0.30	5.0	20	*U*
75-09-2	Methylene chloride	0.64	0.20	5.0		*JBD*
91-20-3	Naphthalene		1.5	5.0	6	*U*
104-51-8	n-Butylbenzene		0.20	5.0	70	*U*
103-65-1	n-Propylbenzene		0.30	5.0	70	*U*
95-47-6	o-Xylene		0.30	5.0		*U*
99-87-6	p-Isopropyltoluene		0.30	5.0		*U*
135-98-8	sec-Butylbenzene		0.20	5.0	70	*U*
100-42-5	Styrene		0.20	5.0	70	*U*
98-06-6	tert-Butylbenzene		0.30	5.0	70	*U*
127-18-4	Tetrachloroethene	38	0.60	5.0	0.7	*D*
108-88-3	Toluene		0.30	5.0	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.50	5.0	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.50	5.0		*U*
79-01-6	Trichloroethene	11	0.30	5.0	3	*D*
75-69-4	Trichlorofluoromethane		0.60	5.0	2000	*U*

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SW 8260B

MW-8

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0591.d Sampled: 11/03/14 13:50

Initial/Final: 25mL / 25mL Lab ID: 1411002-05 Received: 11/04/14 09:00

Dilution: 10 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 23:36

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.60	5.0		*U*
75-01-4	Vinyl chloride	6.7	0.70	5.0	0.03	*D*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.117	102	65 - 150	
1,2-Dichloroethane-d4	5.000	5.116	102	59 - 150	
Toluene-d8	5.000	4.608	92	61 - 145	
Bromofluorobenzene	5.000	4.761	95	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

MW-9

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0191.d Sampled: 11/03/14 16:15

Initial/Final: 25mL / 25mL Lab ID: 1411002-01 Received: 11/04/14 09:00

Dilution: 6.25 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 21:39

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.13	3.1		*U*
71-55-6	1,1,1-Trichloroethane	1.4	0.13	3.1	200	*JD*
79-34-5	1,1,2,2-Tetrachloroethane		0.31	3.1	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.25	3.1		*U*
75-34-3	1,1-Dichloroethane	0.51	0.13	3.1	6	*JD*
75-35-4	1,1-Dichloroethene	10	0.25	3.1	3501	*D*
563-58-6	1,1-Dichloropropene		0.19	3.1		*U*
87-61-6	1,2,3-Trichlorobenzene		0.38	3.1		*U*
96-18-4	1,2,3-Trichloropropane		0.56	3.1	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.38	3.1	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.13	3.1	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		1.6	3.1	0.04	*U*
106-93-4	1,2-Dibromoethane		0.25	3.1	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.19	3.1	20	*U*
107-06-2	1,2-Dichloroethane		0.19	3.1	0.4	*U*
78-87-5	1,2-Dichloropropane		0.75	3.1	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.19	3.1	400	*U*
541-73-1	1,3-Dichlorobenzene		0.25	3.1	200	*U*
142-28-9	1,3-Dichloropropane		0.19	3.1		*U*
106-46-7	1,4-Dichlorobenzene		0.19	3.1	6	*U*
594-20-7	2,2-Dichloropropane		0.19	3.1		*U*
78-93-3	2-Butanone		1.8	16	4000	*U*
110-75-8	2-Chloroethylvinyl ether		1.2	6.3		*U*
95-49-8	2-Chlorotoluene		0.25	3.1	100	*U*
591-78-6	2-Hexanone		3.2	16		*U*
106-43-4	4-Chlorotoluene		0.25	3.1		*U*
108-10-1	4-Methyl-2-pentanone		2.6	16		*U*
67-64-1	Acetone	11	2.8	16		*JD*
107-02-8	Acrolein		6.4	31		*U*
107-13-1	Acrylonitrile		2.3	31		*U*
71-43-2	Benzene		0.19	3.1	1	*U*
108-86-1	Bromobenzene		0.25	3.1		*U*
74-97-5	Bromochloromethane		0.25	3.1		*U*
75-27-4	Bromodichloromethane		0.19	3.1	0.6	*U*

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SW 8260B

MW-9

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0191.d Sampled: 11/03/14 16:15

Initial/Final: 25mL / 25mL Lab ID: 1411002-01 Received: 11/04/14 09:00

Dilution: 6.25 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 21:39

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.19	3.1	4	*U*
74-83-9	Bromomethane		0.69	3.1		*U*
75-15-0	Carbon disulfide		0.13	3.1	700	*U*
56-23-5	Carbon tetrachloride		0.19	3.1	0.3	*U*
108-90-7	Chlorobenzene		0.13	3.1	50	*U*
75-00-3	Chloroethane		1.3	3.1	3000	*U*
67-66-3	Chloroform		0.19	3.1	70	*U*
74-87-3	Chloromethane		0.69	3.1	3	*U*
156-59-2	cis-1,2-Dichloroethene		0.19	3.1	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.25	3.1	0.4	*U*
124-48-1	Dibromochloromethane		0.25	3.1	0.4	*U*
74-95-3	Dibromomethane		0.19	3.1		*U*
75-71-8	Dichlorodifluoromethane		0.19	3.1	1000	*U*
100-41-4	Ethylbenzene		0.25	3.1	600	*U*
87-68-3	Hexachlorobutadiene		0.19	3.1	0.4	*U*
108-20-3	Isopropyl Ether		0.25	3.1	70	*U*
98-82-8	Isopropylbenzene		0.31	3.1	70	*U*
179601-23-1	m,p-Xylene		0.50	6.3		*U*
1634-04-4	Methyl tert-butyl ether		0.19	3.1	20	*U*
75-09-2	Methylene chloride	1.5	0.13	3.1		*JBD*
91-20-3	Naphthalene		0.94	3.1	6	*U*
104-51-8	n-Butylbenzene		0.13	3.1	70	*U*
103-65-1	n-Propylbenzene		0.19	3.1	70	*U*
95-47-6	o-Xylene		0.19	3.1		*U*
99-87-6	p-Isopropyltoluene		0.19	3.1		*U*
135-98-8	sec-Butylbenzene		0.13	3.1	70	*U*
100-42-5	Styrene		0.13	3.1	70	*U*
98-06-6	tert-Butylbenzene		0.19	3.1	70	*U*
127-18-4	Tetrachloroethene	210	0.38	3.1	0.7	*D*
108-88-3	Toluene		0.19	3.1	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.31	3.1	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.31	3.1		*U*
79-01-6	Trichloroethene	3.8	0.19	3.1	3	*D*
75-69-4	Trichlorofluoromethane		0.38	3.1	2000	*U*

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ANALYSIS DATA SHEET

SW 8260B

MW-9

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0191.d Sampled: 11/03/14 16:15

Initial/Final: 25mL / 25mL Lab ID: 1411002-01 Received: 11/04/14 09:00

Dilution: 6.25 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 21:39

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.38	3.1		*U*
75-01-4	Vinyl chloride		0.44	3.1	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.010	100	65 - 150	
1,2-Dichloroethane-d4	5.000	4.909	98	59 - 150	
Toluene-d8	5.000	4.534	91	61 - 145	
Bromofluorobenzene	5.000	4.672	93	63 - 143	

NC2L - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

SW 8260B

TB-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0691.d Sampled: 11/03/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-06 Received: 11/04/14 09:00

Dilution: 1 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 00:05

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		U
354-58-5	1,1,1-Trichloro-2,2,2-trifluoroethane		0.050	0.50		U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.050	0.50	200000	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50		U
75-34-3	1,1-Dichloroethane		0.020	0.50	6	U
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	U
563-58-6	1,1-Dichloropropene		0.030	0.50		U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	U
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	U
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	U
540-59-0	1,2-Dichloroethene (total)		0.030	0.50		U
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	U
106-99-0	1,3-Butadiene		0.060	0.50		U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	U
142-28-9	1,3-Dichloropropane		0.030	0.50		U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	U
123-91-1	1,4-Dioxane		5.4	25	3	U
544-10-5	1-Chlorohexane		0.050	0.50		U
594-20-7	2,2-Dichloropropane		0.030	0.50		U
78-93-3	2-Butanone		0.28	2.5	4000	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		U
95-49-8	2-Chlorotoluene		0.040	0.50	100	U
591-78-6	2-Hexanone		0.51	2.5		U
67-63-0	2-Propanol		3.1	25		U
107-05-1	3-Chloropropene		0.050	0.50		U
106-43-4	4-Chlorotoluene		0.040	0.50		U

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ANALYSIS DATA SHEET

SW 8260B

TB-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0691.d Sampled: 11/03/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-06 Received: 11/04/14 09:00

Dilution: 1 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 00:05

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-10-1	4-Methyl-2-pentanone		0.42	2.5		*U*
67-64-1	Acetone	1.9	0.44	2.5		*J*
75-05-8	Acetonitrile		0.030	0.50		*U*
107-02-8	Acrolein		1.0	5.0		*U*
107-13-1	Acrylonitrile		0.36	5.0		*U*
71-43-2	Benzene		0.030	0.50	1	*U*
108-86-1	Bromobenzene		0.040	0.50		*U*
74-97-5	Bromochloromethane		0.040	0.50		*U*
75-27-4	Bromodichloromethane		0.030	0.50	0.6	*U*
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide		0.020	0.50	700	*U*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane		0.11	0.50	3	*U*
126-99-8	Chloroprene		0.020	0.50		*U*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
110-82-7	Cyclohexane		0.020	0.50		*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
60-29-7	Diethyl ether		0.21	0.50		*U*
97-63-2	Ethyl Methacrylate		0.41	5.0		*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
74-88-4	Iodomethane		0.030	0.50		*U*
78-83-1	Isobutyl alcohol		5.9	25		*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
126-98-7	Methacrylonitrile		0.39	5.0		*U*

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ANALYSIS DATA SHEET

SW 8260B

TB-1

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-0691.d Sampled: 11/03/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-06 Received: 11/04/14 09:00

Dilution: 1 pH: 6 Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/08/14 00:05

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
79-20-9	Methyl acetate		0.14	0.50		*U*
80-62-6	Methyl Methacrylate		0.56	5.0		*U*
1634-04-4	Methyl tert-butyl ether		0.030	0.50	20	*U*
108-87-2	Methylcyclohexane		0.030	0.50		*U*
75-09-2	Methylene chloride	0.19	0.020	0.50		*JB*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
142-82-5	n-Heptane		0.030	0.50	400	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
76-01-7	Pentachloroethane		0.070	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
107-12-0	Propionitrile		1.4	25		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene		0.060	0.50	0.7	*U*
109-99-9	Tetrahydrofuran		2.0	2.0		*U*
108-88-3	Toluene		0.030	0.50	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
110-57-6	trans-1,4-Dichloro-2-butene		0.33	2.0		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*
1330-20-7	Xylenes (total)		0.030	0.50	500	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.031	101	65 - 150	
1,2-Dichloroethane-d4	5.000	5.153	103	59 - 150	
Toluene-d8	5.000	4.532	91	61 - 145	
Bromofluorobenzene	5.000	4.688	94	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

TB-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1791.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-17 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:59

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50		U
75-34-3	1,1-Dichloroethane		0.020	0.50	6	U
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	U
563-58-6	1,1-Dichloropropene		0.030	0.50		U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	U
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	U
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	U
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	U
142-28-9	1,3-Dichloropropane		0.030	0.50		U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	U
594-20-7	2,2-Dichloropropane		0.030	0.50		U
78-93-3	2-Butanone		0.28	2.5	4000	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		U
95-49-8	2-Chlorotoluene		0.040	0.50	100	U
591-78-6	2-Hexanone		0.51	2.5		U
106-43-4	4-Chlorotoluene		0.040	0.50		U
108-10-1	4-Methyl-2-pentanone		0.42	2.5		U
67-64-1	Acetone		0.44	2.5		U
107-02-8	Acrolein		1.0	5.0		U
107-13-1	Acrylonitrile		0.36	5.0		U
71-43-2	Benzene		0.030	0.50	1	U
108-86-1	Bromobenzene		0.040	0.50		U
74-97-5	Bromochloromethane		0.040	0.50		U
75-27-4	Bromodichloromethane		0.030	0.50	0.6	U

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ANALYSIS DATA SHEET

SW 8260B

TB-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1791.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-17 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:59

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	0.047	0.020	0.50	700	*JB*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane		0.11	0.50	3	*U*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether		0.030	0.50	20	*U*
75-09-2	Methylene chloride	0.19	0.020	0.50		*J*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene		0.060	0.50	0.7	*U*
108-88-3	Toluene		0.030	0.50	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

TB-2

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1791.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-17 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 21:59

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.627	113	65 - 150	
1,2-Dichloroethane-d4	5.000	5.730	115	59 - 150	
Toluene-d8	5.000	4.248	85	61 - 145	
Bromofluorobenzene	5.000	4.560	91	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

TB-2A

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1891.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-18 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 23:57

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		*U*
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.040	0.50		*U*
75-34-3	1,1-Dichloroethane		0.020	0.50	6	*U*
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	*U*
563-58-6	1,1-Dichloropropene		0.030	0.50		*U*
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		*U*
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	*U*
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	*U*
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	*U*
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	*U*
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	*U*
142-28-9	1,3-Dichloropropane		0.030	0.50		*U*
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	*U*
594-20-7	2,2-Dichloropropane		0.030	0.50		*U*
78-93-3	2-Butanone		0.28	2.5	4000	*U*
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		*U*
95-49-8	2-Chlorotoluene		0.040	0.50	100	*U*
591-78-6	2-Hexanone		0.51	2.5		*U*
106-43-4	4-Chlorotoluene		0.040	0.50		*U*
108-10-1	4-Methyl-2-pentanone		0.42	2.5		*U*
67-64-1	Acetone	1.5	0.44	2.5		*J*
107-02-8	Acrolein		1.0	5.0		*U*
107-13-1	Acrylonitrile		0.36	5.0		*U*
71-43-2	Benzene		0.030	0.50	1	*U*
108-86-1	Bromobenzene		0.040	0.50		*U*
74-97-5	Bromochloromethane		0.040	0.50		*U*
75-27-4	Bromodichloromethane		0.030	0.50	0.6	*U*

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SW 8260B

TB-2A

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1891.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-18 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 23:57

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	0.025	0.020	0.50	700	*JB*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane		0.11	0.50	3	*U*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether		0.030	0.50	20	*U*
75-09-2	Methylene chloride	0.16	0.020	0.50		*J*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene		0.060	0.50	0.7	*U*
108-88-3	Toluene		0.030	0.50	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

TB-2A

Client: SOLUTIONS-IES, INC. SDG 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411002-1891.d Sampled: 11/04/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411002-18 Received: 11/05/14 09:00

Dilution: 1 pH: 6 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 23:57

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.678	114	65 - 150	
1,2-Dichloroethane-d4	5.000	5.759	115	59 - 150	
Toluene-d8	5.000	4.266	85	61 - 145	
Bromofluorobenzene	5.000	4.524	90	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

VBLKIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4110721-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 19:20

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50	U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50	U
75-34-3	1,1-Dichloroethane		0.020	0.50	U
75-35-4	1,1-Dichloroethene		0.040	0.50	U
563-58-6	1,1-Dichloropropene		0.030	0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50	U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	U
106-93-4	1,2-Dibromoethane		0.040	0.50	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	U
107-06-2	1,2-Dichloroethane		0.030	0.50	U
78-87-5	1,2-Dichloropropane		0.12	0.50	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	U
142-28-9	1,3-Dichloropropane		0.030	0.50	U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	U
594-20-7	2,2-Dichloropropane		0.030	0.50	U
78-93-3	2-Butanone		0.28	2.5	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0	U
95-49-8	2-Chlorotoluene		0.040	0.50	U
591-78-6	2-Hexanone		0.51	2.5	U
106-43-4	4-Chlorotoluene		0.040	0.50	U
108-10-1	4-Methyl-2-pentanone		0.42	2.5	U
67-64-1	Acetone		0.44	2.5	U
107-02-8	Acrolein		1.0	5.0	U
107-13-1	Acrylonitrile		0.36	5.0	U
71-43-2	Benzene		0.030	0.50	U
108-86-1	Bromobenzene		0.040	0.50	U
74-97-5	Bromochloromethane		0.040	0.50	U
75-27-4	Bromodichloromethane		0.030	0.50	U

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SW 8260B

VBLKIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4110721-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 19:20

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform		0.030	0.50	U
74-83-9	Bromomethane		0.11	0.50	U
75-15-0	Carbon disulfide		0.020	0.50	U
56-23-5	Carbon tetrachloride		0.030	0.50	U
108-90-7	Chlorobenzene		0.020	0.50	U
75-00-3	Chloroethane		0.20	0.50	U
67-66-3	Chloroform		0.030	0.50	U
74-87-3	Chloromethane		0.11	0.50	U
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	U
124-48-1	Dibromochloromethane		0.040	0.50	U
74-95-3	Dibromomethane		0.030	0.50	U
75-71-8	Dichlorodifluoromethane		0.030	0.50	U
100-41-4	Ethylbenzene		0.040	0.50	U
87-68-3	Hexachlorobutadiene		0.030	0.50	U
108-20-3	Isopropyl Ether		0.040	0.50	U
98-82-8	Isopropylbenzene		0.050	0.50	U
179601-23-1	m,p-Xylene		0.080	1.0	U
1634-04-4	Methyl tert-butyl ether		0.030	0.50	U
75-09-2	Methylene chloride	0.068	0.020	0.50	J
91-20-3	Naphthalene		0.15	0.50	U
104-51-8	n-Butylbenzene		0.020	0.50	U
103-65-1	n-Propylbenzene		0.030	0.50	U
95-47-6	o-Xylene		0.030	0.50	U
99-87-6	p-Isopropyltoluene		0.030	0.50	U
135-98-8	sec-Butylbenzene		0.020	0.50	U
100-42-5	Styrene		0.020	0.50	U
98-06-6	tert-Butylbenzene		0.030	0.50	U
127-18-4	Tetrachloroethene		0.060	0.50	U
108-88-3	Toluene		0.030	0.50	U
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50	U
79-01-6	Trichloroethene		0.030	0.50	U
75-69-4	Trichlorofluoromethane		0.060	0.50	U

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SW 8260B

VBLKIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4110721-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 19:20

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate		0.060	0.50	U
75-01-4	Vinyl chloride		0.070	0.50	U

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.963	99	65 - 150	
1,2-Dichloroethane-d4	5.000	5.021	100	59 - 150	
Toluene-d8	5.000	4.613	92	61 - 145	
Bromofluorobenzene	5.000	4.704	94	63 - 143	

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SW 8260B

VBLKIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111020-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:14

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50	U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50	U
75-34-3	1,1-Dichloroethane		0.020	0.50	U
75-35-4	1,1-Dichloroethene		0.040	0.50	U
563-58-6	1,1-Dichloropropene		0.030	0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50	U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	U
106-93-4	1,2-Dibromoethane		0.040	0.50	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	U
107-06-2	1,2-Dichloroethane		0.030	0.50	U
78-87-5	1,2-Dichloropropane		0.12	0.50	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	U
142-28-9	1,3-Dichloropropane		0.030	0.50	U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	U
594-20-7	2,2-Dichloropropane		0.030	0.50	U
78-93-3	2-Butanone		0.28	2.5	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0	U
95-49-8	2-Chlorotoluene		0.040	0.50	U
591-78-6	2-Hexanone		0.51	2.5	U
106-43-4	4-Chlorotoluene		0.040	0.50	U
108-10-1	4-Methyl-2-pentanone		0.42	2.5	U
67-64-1	Acetone		0.44	2.5	U
107-02-8	Acrolein		1.0	5.0	U
107-13-1	Acrylonitrile		0.36	5.0	U
71-43-2	Benzene		0.030	0.50	U
108-86-1	Bromobenzene		0.040	0.50	U
74-97-5	Bromochloromethane		0.040	0.50	U
75-27-4	Bromodichloromethane		0.030	0.50	U

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SW 8260B

VBLKIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111020-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:14

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform		0.030	0.50	U
74-83-9	Bromomethane		0.11	0.50	U
75-15-0	Carbon disulfide	0.022	0.020	0.50	J
56-23-5	Carbon tetrachloride		0.030	0.50	U
108-90-7	Chlorobenzene		0.020	0.50	U
75-00-3	Chloroethane		0.20	0.50	U
67-66-3	Chloroform		0.030	0.50	U
74-87-3	Chloromethane		0.11	0.50	U
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	U
124-48-1	Dibromochloromethane		0.040	0.50	U
74-95-3	Dibromomethane		0.030	0.50	U
75-71-8	Dichlorodifluoromethane		0.030	0.50	U
100-41-4	Ethylbenzene		0.040	0.50	U
87-68-3	Hexachlorobutadiene		0.030	0.50	U
108-20-3	Isopropyl Ether		0.040	0.50	U
98-82-8	Isopropylbenzene		0.050	0.50	U
179601-23-1	m,p-Xylene		0.080	1.0	U
1634-04-4	Methyl tert-butyl ether		0.030	0.50	U
75-09-2	Methylene chloride		0.020	0.50	U
91-20-3	Naphthalene		0.15	0.50	U
104-51-8	n-Butylbenzene		0.020	0.50	U
103-65-1	n-Propylbenzene		0.030	0.50	U
95-47-6	o-Xylene		0.030	0.50	U
99-87-6	p-Isopropyltoluene		0.030	0.50	U
135-98-8	sec-Butylbenzene		0.020	0.50	U
100-42-5	Styrene		0.020	0.50	U
98-06-6	tert-Butylbenzene		0.030	0.50	U
127-18-4	Tetrachloroethene		0.060	0.50	U
108-88-3	Toluene		0.030	0.50	U
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50	U
79-01-6	Trichloroethene		0.030	0.50	U
75-69-4	Trichlorofluoromethane		0.060	0.50	U

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SW 8260B

VBLKIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111020-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:14

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate		0.060	0.50	U
75-01-4	Vinyl chloride		0.070	0.50	U

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.895	98	65 - 150	
1,2-Dichloroethane-d4	5.000	4.837	97	59 - 150	
Toluene-d8	5.000	4.627	93	61 - 145	
Bromofluorobenzene	5.000	4.690	94	63 - 143	

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SW 8260B

VLCSIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4110721-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 20:02

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.755	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	4.909	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	4.830	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.781	0.040	0.50	
75-34-3	1,1-Dichloroethane	4.954	0.020	0.50	
75-35-4	1,1-Dichloroethene	4.979	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.188	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	4.818	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	4.776	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	4.884	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.811	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	4.636	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.743	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	4.877	0.030	0.50	
107-06-2	1,2-Dichloroethane	5.020	0.030	0.50	
78-87-5	1,2-Dichloropropane	4.995	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.798	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.880	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.783	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	4.837	0.030	0.50	
594-20-7	2,2-Dichloropropane	4.493	0.030	0.50	
78-93-3	2-Butanone	22.53	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	8.507	0.19	1.0	
95-49-8	2-Chlorotoluene	4.796	0.040	0.50	
591-78-6	2-Hexanone	22.57	0.51	2.5	
106-43-4	4-Chlorotoluene	4.852	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	22.99	0.42	2.5	
67-64-1	Acetone	27.53	0.44	2.5	
107-02-8	Acrolein	48.53	1.0	5.0	
107-13-1	Acrylonitrile	48.01	0.36	5.0	
71-43-2	Benzene	4.968	0.030	0.50	
108-86-1	Bromobenzene	4.726	0.040	0.50	
74-97-5	Bromochloromethane	5.078	0.040	0.50	
75-27-4	Bromodichloromethane	4.979	0.030	0.50	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

SW 8260B

VLCSIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4110721-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 20:02

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.467	0.030	0.50	
74-83-9	Bromomethane	5.338	0.11	0.50	
75-15-0	Carbon disulfide	4.916	0.020	0.50	
56-23-5	Carbon tetrachloride	4.838	0.030	0.50	
108-90-7	Chlorobenzene	4.877	0.020	0.50	
75-00-3	Chloroethane	5.083	0.20	0.50	
67-66-3	Chloroform	5.070	0.030	0.50	
74-87-3	Chloromethane	4.984	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	4.980	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.688	0.040	0.50	
124-48-1	Dibromochloromethane	4.700	0.040	0.50	
74-95-3	Dibromomethane	4.997	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.200	0.030	0.50	
100-41-4	Ethylbenzene	4.702	0.040	0.50	
87-68-3	Hexachlorobutadiene	4.912	0.030	0.50	
108-20-3	Isopropyl Ether	4.818	0.040	0.50	
98-82-8	Isopropylbenzene	4.735	0.050	0.50	
179601-23-1	m,p-Xylene	9.467	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.684	0.030	0.50	
75-09-2	Methylene chloride	5.009	0.020	0.50	B
91-20-3	Naphthalene	4.571	0.15	0.50	
104-51-8	n-Butylbenzene	4.849	0.020	0.50	
103-65-1	n-Propylbenzene	4.828	0.030	0.50	
95-47-6	o-Xylene	4.716	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.780	0.030	0.50	
135-98-8	sec-Butylbenzene	4.775	0.020	0.50	
100-42-5	Styrene	4.522	0.020	0.50	
98-06-6	tert-Butylbenzene	4.779	0.030	0.50	
127-18-4	Tetrachloroethene	4.762	0.060	0.50	
108-88-3	Toluene	4.837	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	4.946	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	4.870	0.050	0.50	
79-01-6	Trichloroethene	4.742	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.244	0.060	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4110721-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 20:02

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.800	0.060	0.50	
75-01-4	Vinyl chloride	5.123	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.755	95	65 - 150	
1,2-Dichloroethane-d4	5.000	4.745	95	59 - 150	
Toluene-d8	5.000	4.625	93	61 - 145	
Bromofluorobenzene	5.000	4.854	97	63 - 143	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4110721-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 20:31

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.705	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	4.887	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	4.676	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.593	0.040	0.50	
75-34-3	1,1-Dichloroethane	4.931	0.020	0.50	
75-35-4	1,1-Dichloroethene	4.931	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.167	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	4.837	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	4.659	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	4.976	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.867	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	4.370	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.588	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	4.842	0.030	0.50	
107-06-2	1,2-Dichloroethane	4.876	0.030	0.50	
78-87-5	1,2-Dichloropropane	4.944	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.842	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.903	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.769	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	4.963	0.030	0.50	
594-20-7	2,2-Dichloropropane	4.481	0.030	0.50	
78-93-3	2-Butanone	22.11	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	8.114	0.19	1.0	
95-49-8	2-Chlorotoluene	4.878	0.040	0.50	
591-78-6	2-Hexanone	22.04	0.51	2.5	
106-43-4	4-Chlorotoluene	4.933	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	22.14	0.42	2.5	
67-64-1	Acetone	25.77	0.44	2.5	
107-02-8	Acrolein	45.60	1.0	5.0	
107-13-1	Acrylonitrile	47.48	0.36	5.0	
71-43-2	Benzene	4.943	0.030	0.50	
108-86-1	Bromobenzene	4.857	0.040	0.50	
74-97-5	Bromochloromethane	4.993	0.040	0.50	
75-27-4	Bromodichloromethane	4.920	0.030	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4110721-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 20:31

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.367	0.030	0.50	
74-83-9	Bromomethane	5.361	0.11	0.50	
75-15-0	Carbon disulfide	4.876	0.020	0.50	
56-23-5	Carbon tetrachloride	4.806	0.030	0.50	
108-90-7	Chlorobenzene	4.904	0.020	0.50	
75-00-3	Chloroethane	5.110	0.20	0.50	
67-66-3	Chloroform	5.011	0.030	0.50	
74-87-3	Chloromethane	4.916	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	4.834	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.617	0.040	0.50	
124-48-1	Dibromochloromethane	4.678	0.040	0.50	
74-95-3	Dibromomethane	4.786	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.108	0.030	0.50	
100-41-4	Ethylbenzene	4.748	0.040	0.50	
87-68-3	Hexachlorobutadiene	4.924	0.030	0.50	
108-20-3	Isopropyl Ether	4.808	0.040	0.50	
98-82-8	Isopropylbenzene	4.808	0.050	0.50	
179601-23-1	m,p-Xylene	9.586	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.557	0.030	0.50	
75-09-2	Methylene chloride	4.964	0.020	0.50	B
91-20-3	Naphthalene	4.608	0.15	0.50	
104-51-8	n-Butylbenzene	4.946	0.020	0.50	
103-65-1	n-Propylbenzene	4.871	0.030	0.50	
95-47-6	o-Xylene	4.825	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.887	0.030	0.50	
135-98-8	sec-Butylbenzene	4.829	0.020	0.50	
100-42-5	Styrene	4.628	0.020	0.50	
98-06-6	tert-Butylbenzene	4.775	0.030	0.50	
127-18-4	Tetrachloroethene	4.854	0.060	0.50	
108-88-3	Toluene	4.890	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	4.942	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	4.767	0.050	0.50	
79-01-6	Trichloroethene	4.792	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.123	0.060	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIO

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4110721-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4110721-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/07/14 19:20

% Moisture: NA Analyzed: 11/07/14 20:31

Batch: 4110721 Sequence: 4K07005 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.721	0.060	0.50	
75-01-4	Vinyl chloride	5.031	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.792	96	65 - 150	
1,2-Dichloroethane-d4	5.000	4.686	94	59 - 150	
Toluene-d8	5.000	4.779	96	61 - 145	
Bromofluorobenzene	5.000	4.856	97	63 - 143	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111020-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:53

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.666	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	5.059	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	4.841	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.755	0.040	0.50	
75-34-3	1,1-Dichloroethane	4.984	0.020	0.50	
75-35-4	1,1-Dichloroethene	4.925	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.261	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	4.907	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	4.695	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	4.946	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.886	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	4.535	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.697	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	4.904	0.030	0.50	
107-06-2	1,2-Dichloroethane	4.953	0.030	0.50	
78-87-5	1,2-Dichloropropane	4.940	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.875	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.913	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.739	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	4.889	0.030	0.50	
594-20-7	2,2-Dichloropropane	4.970	0.030	0.50	
78-93-3	2-Butanone	24.11	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	9.019	0.19	1.0	
95-49-8	2-Chlorotoluene	4.841	0.040	0.50	
591-78-6	2-Hexanone	23.29	0.51	2.5	
106-43-4	4-Chlorotoluene	4.871	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	23.63	0.42	2.5	
67-64-1	Acetone	25.20	0.44	2.5	
107-02-8	Acrolein	41.87	1.0	5.0	
107-13-1	Acrylonitrile	49.55	0.36	5.0	
71-43-2	Benzene	5.029	0.030	0.50	
108-86-1	Bromobenzene	4.767	0.040	0.50	
74-97-5	Bromochloromethane	5.106	0.040	0.50	
75-27-4	Bromodichloromethane	5.001	0.030	0.50	

Environmental Testing Laboratories

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ANALYSIS DATA SHEET

SW 8260B

VLCSIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111020-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:53

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.659	0.030	0.50	
74-83-9	Bromomethane	4.892	0.11	0.50	
75-15-0	Carbon disulfide	5.105	0.020	0.50	B
56-23-5	Carbon tetrachloride	4.947	0.030	0.50	
108-90-7	Chlorobenzene	4.783	0.020	0.50	
75-00-3	Chloroethane	5.023	0.20	0.50	
67-66-3	Chloroform	5.097	0.030	0.50	
74-87-3	Chloromethane	4.930	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	5.026	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.854	0.040	0.50	
124-48-1	Dibromochloromethane	4.749	0.040	0.50	
74-95-3	Dibromomethane	4.971	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.397	0.030	0.50	
100-41-4	Ethylbenzene	4.690	0.040	0.50	
87-68-3	Hexachlorobutadiene	5.056	0.030	0.50	
108-20-3	Isopropyl Ether	4.751	0.040	0.50	
98-82-8	Isopropylbenzene	4.788	0.050	0.50	
179601-23-1	m,p-Xylene	9.422	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.683	0.030	0.50	
75-09-2	Methylene chloride	4.775	0.020	0.50	
91-20-3	Naphthalene	4.582	0.15	0.50	
104-51-8	n-Butylbenzene	4.983	0.020	0.50	
103-65-1	n-Propylbenzene	4.929	0.030	0.50	
95-47-6	o-Xylene	4.717	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.888	0.030	0.50	
135-98-8	sec-Butylbenzene	4.918	0.020	0.50	
100-42-5	Styrene	4.575	0.020	0.50	
98-06-6	tert-Butylbenzene	4.777	0.030	0.50	
127-18-4	Tetrachloroethene	4.870	0.060	0.50	
108-88-3	Toluene	4.785	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	5.077	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	4.853	0.050	0.50	
79-01-6	Trichloroethene	4.834	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.258	0.060	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111020-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:53

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.708	0.060	0.50	
75-01-4	Vinyl chloride	4.870	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.847	97	65 - 150	
1,2-Dichloroethane-d4	5.000	4.827	97	59 - 150	
Toluene-d8	5.000	4.710	94	61 - 145	
Bromofluorobenzene	5.000	4.965	99	63 - 143	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

SW 8260B

VLCSDIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111020-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 16:23

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.739	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	5.114	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	5.116	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.979	0.040	0.50	
75-34-3	1,1-Dichloroethane	5.000	0.020	0.50	
75-35-4	1,1-Dichloroethene	5.042	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.297	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	5.107	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	5.011	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	5.033	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.856	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	5.061	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.960	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	5.002	0.030	0.50	
107-06-2	1,2-Dichloroethane	5.097	0.030	0.50	
78-87-5	1,2-Dichloropropane	5.034	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.839	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.920	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.936	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	5.046	0.030	0.50	
594-20-7	2,2-Dichloropropane	4.878	0.030	0.50	
78-93-3	2-Butanone	26.02	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	9.367	0.19	1.0	
95-49-8	2-Chlorotoluene	4.835	0.040	0.50	
591-78-6	2-Hexanone	24.93	0.51	2.5	
106-43-4	4-Chlorotoluene	4.939	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	25.13	0.42	2.5	
67-64-1	Acetone	28.34	0.44	2.5	
107-02-8	Acrolein	45.16	1.0	5.0	
107-13-1	Acrylonitrile	53.23	0.36	5.0	
71-43-2	Benzene	5.049	0.030	0.50	
108-86-1	Bromobenzene	4.896	0.040	0.50	
74-97-5	Bromochloromethane	5.085	0.040	0.50	
75-27-4	Bromodichloromethane	5.058	0.030	0.50	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111020-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 16:23

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.787	0.030	0.50	
74-83-9	Bromomethane	4.747	0.11	0.50	
75-15-0	Carbon disulfide	5.146	0.020	0.50	B
56-23-5	Carbon tetrachloride	4.925	0.030	0.50	
108-90-7	Chlorobenzene	4.877	0.020	0.50	
75-00-3	Chloroethane	4.995	0.20	0.50	
67-66-3	Chloroform	5.143	0.030	0.50	
74-87-3	Chloromethane	4.736	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	5.080	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.816	0.040	0.50	
124-48-1	Dibromochloromethane	4.934	0.040	0.50	
74-95-3	Dibromomethane	5.096	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.355	0.030	0.50	
100-41-4	Ethylbenzene	4.726	0.040	0.50	
87-68-3	Hexachlorobutadiene	4.868	0.030	0.50	
108-20-3	Isopropyl Ether	4.771	0.040	0.50	
98-82-8	Isopropylbenzene	4.791	0.050	0.50	
179601-23-1	m,p-Xylene	9.527	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.819	0.030	0.50	
75-09-2	Methylene chloride	4.881	0.020	0.50	
91-20-3	Naphthalene	4.903	0.15	0.50	
104-51-8	n-Butylbenzene	4.799	0.020	0.50	
103-65-1	n-Propylbenzene	4.856	0.030	0.50	
95-47-6	o-Xylene	4.762	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.772	0.030	0.50	
135-98-8	sec-Butylbenzene	4.794	0.020	0.50	
100-42-5	Styrene	4.648	0.020	0.50	
98-06-6	tert-Butylbenzene	4.737	0.030	0.50	
127-18-4	Tetrachloroethene	4.878	0.060	0.50	
108-88-3	Toluene	4.877	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	5.157	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	5.091	0.050	0.50	
79-01-6	Trichloroethene	4.889	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.208	0.060	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIP

Client: SOLUTIONS-IES, INC. SDG: 1411002 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111020-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 16:23

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.852	0.060	0.50	
75-01-4	Vinyl chloride	4.989	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.813	96	65 - 150	
1,2-Dichloroethane-d4	5.000	4.901	98	59 - 150	
Toluene-d8	5.000	4.661	93	61 - 145	
Bromofluorobenzene	5.000	4.919	98	63 - 143	

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ATTACHMENT 4

INJECTION WELL LABORATORY REPORTS

CompuChem

A Division Of

Liberty Analytical Corp.

11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411023

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411023
Sdg: 1411023

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411023-01	IW-40B	Water	11/07/2014 12:45	11/07/2014 15:45
1411023-02	IW-2A	Water	11/07/2014 11:00	11/07/2014 15:45
1411023-03	IW-42B	Water	11/07/2014 10:45	11/07/2014 15:45
1411023-04	IW-60A	Water	11/07/2014 12:30	11/07/2014 15:45
1411023-05	TB-4	Water	11/07/2014 00:00	11/07/2014 15:45

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411023

Client Sample Id:	Analysis:	Lab Sample Id:
IW-40B	SM4500S-2-F	1411023-01
IW-2A	SM4500S-2-F	1411023-02
IW-42B	SM4500S-2-F	1411023-03
IW-60A	SM4500S-2-F	1411023-04

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan W Bass

Name: Susan Bass

Date: 11/11/2014

Title: Chemist III

CompuChem
A Division Of
Liberty Analytical Corp.

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem

A Division Of

Liberty Analytical Corp.

SDG NARRATIVE
SDG # 1411023
Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

The 4 liquid samples were received intact, at 2.1°C, with proper documentations, in sealed shipping containers, on November 7, 2014. The samples were scheduled for the requested analysis of sulfide. The samples were analyzed, in accordance with current EPA method, for the analyte requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:

The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCS, LCSD, & Blank) were found to be within acceptable ranges. The field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

No matrix spikes were requested for these samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Senior Chemist
November 11, 2014

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

WET CHEMISTRY DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. The qualifiers used are:

U : This flag indicates the compound was analyzed for, not detected and is reported as less than the Method Detection Limit (MDL) (or as defined by the client). The Reporting Limit (RL), or Limit of Quantitation (LOQ), and the MDL will be adjusted to reflect any dilution or concentration of the sample and, for soils, the percent moisture.

J : This flag indicates the reported result is an estimated value. The flag is used when an analyte is detected and the result is less than the adjusted RL/LOQ but equal to or greater than the MDL.

Q : This flag denotes that one or more quality control criteria have failed (e.g., LCS recovery, Continuing Calibration Verification, or CCV) and reanalyses can't be performed. The Q flag is applied to all specific analyte(s) in all samples associated with the failed quality control criteria.

B : This flag is used when the analyte is found in the associated method or calibration blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

D: This flag is applied to an analyte when the reported result is based on a dilution.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

The extensions: D, S, and SD are added to the end of the Client ID and represent the following:

D – Matrix Duplicate
S – Matrix Spike
SD – Matrix Spike Duplicate

Revision 0 (03-15-2011)

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28717
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Sulfide SM4500-S-F	Methane, ethane, ethene + acetylene RSK 175	pH / Sample Info (Lab Use) Sulfide
1411023-01	IW-40B	11/7/14	1245	GW	6	X					2M acetate NaOH	X	X	X	>9
-02	IW-2A	↓	1100	↓	↓	↓					↓	↓	↓	↓	>9
-03	IW-42B	↓	1045	↓	↓	↓					↓	↓	↓	↓	>9
-04	IW-60A	↓	1230	↓	↓	↓					↓	↓	↓	↓	>9
-05	TB-4	/	/	DI	3							↓			

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:
Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Date/Time: 11/7/14 1545 Received by: Date/Time: 11/7/14 1545
Relinquished by: Date/Time: Received by: Date/Time:
Subcontact? Y or N If yes, where? Custody Seal(s) intact? Y or N On Ice? Y or N Cooler Temp: 2.1 °C

client delay

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

IR GUN: SN0010

WORK ORDER

Printed: 11/8/2014 4:40:00PM

1411023

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411023** **CASE:**	**Status:**	**Received**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/20/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/07/2014 15:45
Logged In By:	Cathy Dover	Date Logged In:	11/07/2014 16:18

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*SULFIDE

Analysis	Due	TAT	Expires	Received	Comments
1411023-01 IW-40B [Water] Sampled 11/07/2014 12:45 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-02 IW-2A [Water] Sampled 11/07/2014 11:00 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-03 IW-42B [Water] Sampled 11/07/2014 10:45 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-04 IW-60A [Water] Sampled 11/07/2014 12:30 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-05 TB-4 [Water] Sampled 11/07/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 00:00	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

Printed: 11/8/2014 4:40:00PM

1411023

COMPUCHEM

Client:	SOLUTIONS-IES, INC.	**Project Manager:**	Cathy Dover
Project:	EATON SELMA-2013.0014/4	**Project Number:**	EATON SELMA-2013.0014/4
SDG:	1411023 **CASE:**	**Status:**	Batched

METHOD DETECTION AND REPORTING LIMITS

Laboratory: COMPUCHEM **SDG:** 1411023

Client: SOLUTIONS-IES, INC. **Project:** EATON SELMA-2013.0014/4

Matrix: WATER **Instrument:** Buret

Analyte	MDL	RL	Units	Method
Sulfide, total	0.45	1.00	mg/L	SM4500S-2-F

LCS / LCS DUPLICATE SUMMARY

SM4500S-2-F

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4110719-BS1 Matrix: Water Client ID: WLCSYU Batch: 4110719

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	Q	QC LIMITS REC.
Sulfide, total	10.00	9.40	94.0		90 - 110

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LCS / LCS DUPLICATE SUMMARY

SM4500S-2-F

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4110719-BSD1 Matrix: Water Client ID: WLCSDYU Batch: 4110719

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Sulfide, total	10.00	9.60	96.0	2.11	20		90 - 110

PREPARATION BATCH SUMMARY

SM4500S-2-F

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Batch: 4110719 Matrix: Water Preparation: Default Prep WC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
IW-40B	1411023-01	11/10/14 14:40	200	200
IW-2A	1411023-02	11/10/14 14:40	200	200
IW-42B	1411023-03	11/10/14 14:40	200	200
IW-60A	1411023-04	11/10/14 14:40	200	200
PBYU	4110719-BLK1	11/10/14 14:40	200	200
WLCSYU	4110719-BS1	11/10/14 14:40	200	200
WLCSDYU	4110719-BSD1	11/10/14 14:40	200	200

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ANALYSIS DATA SHEET

IW-40B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 1411023-01 % Solid: Matrix: Water Sampled: 11/07/14 Received: 11/07/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K10009	11/10/14 14:40

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

IW-2A

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 1411023-02 % Solid: Matrix: Water Sampled: 11/07/14 Received: 11/07/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K10009	11/10/14 14:40

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

IW-42B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 1411023-03 % Solid: Matrix: Water Sampled: 11/07/14 Received: 11/07/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total		0.450	1.00		1	U	SM4500S-2-F	4K10009	11/10/14 14:40

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

IW-60A

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 1411023-04 % Solid: Matrix: Water Sampled: 11/07/14 Received: 11/07/14

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	NC2L	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total	2.60	0.450	1.00		1		SM4500S-2-F	4K10009	11/10/14 14:40

NC2L - 15A NCAC 02L .0202

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

PBYU

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4110719-BLK1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total		0.450	1.00	1	U	SM4500S-2-F	4K10009	11/10/14 14:40

ANALYSIS DATA SHEET

WLCSYU

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4110719-BS1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total	9.40	0.450	1.00	1		SM4500S-2-F	4K10009	11/10/14 14:40

ANALYSIS DATA SHEET

WLCSDYU

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4110719-BSD1 Matrix: Water

CAS NO.	Analyte	Conc. (mg/L)	MDL	RL	D.F.	Q	Method	Sequence	Analyzed
18496-25-8	Sulfide, total	9.60	0.450	1.00	1		SM4500S-2-F	4K10009	11/10/14 14:40

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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CompuChem

A Division Of

Liberty Analytical Corp.

11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411002

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411002
Sdg: 1411002

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411002-01	MW-9	Water	11/03/2014 16:15	11/04/2014 09:00
1411002-02	MW-20	Water	11/03/2014 15:15	11/04/2014 09:00
1411002-03	MW-7	Water	11/03/2014 13:40	11/04/2014 09:00
1411002-04	MW-14	Water	11/03/2014 15:40	11/04/2014 09:00
1411002-05	MW-8	Water	11/03/2014 13:50	11/04/2014 09:00
1411002-06	TB-1	Water	11/03/2014 00:00	11/04/2014 09:00
1411002-07	MW-18	Water	11/04/2014 10:28	11/05/2014 09:00
1411002-08	MW-3	Water	11/04/2014 12:55	11/05/2014 09:00
1411002-09	MW-16	Water	11/04/2014 14:20	11/05/2014 09:00
1411002-10	MW-17	Water	11/04/2014 16:35	11/05/2014 09:00
1411002-11	MW-4	Water	11/04/2014 09:40	11/05/2014 09:00
1411002-12	MW-19	Water	11/04/2014 11:35	11/05/2014 09:00
1411002-13	MW-11	Water	11/04/2014 12:50	11/05/2014 09:00
1411002-14	MW-2	Water	11/04/2014 14:40	11/05/2014 09:00
1411002-15	DUP-1	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-16	MW-15	Water	11/04/2014 16:05	11/05/2014 09:00
1411002-17	TB-2	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-18	TB-2A	Water	11/04/2014 00:00	11/05/2014 09:00
1411002-19	MW-5	Water	11/05/2014 14:00	11/06/2014 08:30
1411002-20	MW-13	Water	11/05/2014 13:20	11/06/2014 08:30
1411002-21	MW-1	Water	11/05/2014 11:00	11/06/2014 08:30

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411023

Client Sample Id:	Analysis:	Lab Sample Id:
IW-40B	RSK 175	1411023-01
IW-40B	RSK 175	1411023-01RE1
IW-2A	RSK 175	1411023-02
IW-2A	RSK 175	1411023-02RE1
IW-42B	RSK 175	1411023-03
IW-42B	RSK 175	1411023-03RE1
IW-60A	RSK 175	1411023-04
IW-60A	RSK 175	1411023-04RE1

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Ken Grzybowski

Date: 11/19/2014 Title: President

CompuChem
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501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem

A division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1411023
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: IW-40B, IW-2A, IW-42B and IW-60A

The 4 aqueous samples listed above were received intact, properly refrigerated at 2.1°C, with proper documentation, in sealed shipping containers, on November 7, 2014. The samples were scheduled for the requested analysis by Method RSK-175. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1411003 included in the sample data sections.

The samples were prepped and analyzed within the method holding time.

Methane was present above the reporting limits in all of the samples.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The method blanks associated with the samples met all quality control criteria.

The Laboratory Control Samples (LCS/LCSD) that were prepared and analyzed with the samples met recovery criteria.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Kenneth Grzybowski
President
November 19, 2014

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
DRO/ORO	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
√	Restek	clpest	0.32	0.5	30
√	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
RSK	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
GRO	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
√	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
√	Restek	RTX-5Sil MS	0.32	0.25	30
	HPLC Laboratory				
PAH	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
PAH	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
EXP	Restek	Pinnacle Cyano	4.6	5.0	25 cm
EXP	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
√	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 30

This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semivolatiles, pesticides, and Aroclors by the requested analytical methods. Please see the SDG Narrative(s) for the specific fraction(s) relative to this SDG.
Note: This table also contains HPLC columns.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC/HPLC chemists. An Extracted Ion Current Profile (EICP) or a GC/HPLC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC/HPLC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak. The most common reasons for performing manual integrations/editing are: the compound was not found by the automatic integration routine, the compound was incorrectly integrated by the automatic integration routine, and the co-eluting compounds were incorrectly integrated by the automatic integration routine.

H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

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H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

ORGANIC DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on the appropriate reporting form for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 μg/L, but a concentration of 3 μg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85%), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The <u>lower</u> of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the <u>lower</u> of the two values is reported and flagged with a P on the reporting form. When the RPD is equal to or less than 40%, our policy is to also report the <u>lower</u> of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the <u>higher</u> of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on the appropriate reporting form for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the appropriate reporting form for the more diluted sample, and **all** reported concentrations on that form are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate reporting forms are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single reporting form.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an “S” flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor. The “S” flag is not utilized for non CLP analyses.

* This flag is applied to a target analyte when any QC acceptance criterion has not been met for that analyte. The flag appears on the reporting form of the associated QC analysis.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

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Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28717
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Sulfide SM4500-SF	Methane, ethane + acetylene RSK 175								pH / Sample Info (Lab Use) Sulfide
1411023-01	IW-40B	11/7/14	1245	GW	6	X					2N acetate NaOH	X	X	X								>9
-02	IW-2A	↓	1100	↓	↓	↓					↓	↓	↓	↓								>9
-03	IW-42B	↓	1045	↓	↓	↓					↓	↓	↓	↓								>9
-04	IW-60A	↓	1230	↓	↓	↓					↓	↓	↓	↓								>9
-05	TB-4	/	/	DI	3							↓										

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 11/7/14 1545	Received by:	Date/Time: 11/7/14 1545
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 2.1 °C

Samples stored 60 days after date report mailed at no extra charge.

client delay

White & Yellow copy to lab • Pink copy for customer

IR GUN: SN0010

WORK ORDER

Printed: 11/8/2014 4:40:00PM

1411023

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411023** **CASE:**	**Status:**	**Received**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/20/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/07/2014 15:45
Logged In By:	Cathy Dover	Date Logged In:	11/07/2014 16:18

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*SULFIDE

Analysis	Due	TAT	Expires	Received	Comments
1411023-01 IW-40B [Water] Sampled 11/07/2014 12:45 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-02 IW-2A [Water] Sampled 11/07/2014 11:00 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-03 IW-42B [Water] Sampled 11/07/2014 10:45 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-04 IW-60A [Water] Sampled 11/07/2014 12:30 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-05 TB-4 [Water] Sampled 11/07/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 00:00	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

Printed: 11/8/2014 4:40:00PM

1411023

COMPUCHEM

Client:	SOLUTIONS-IES, INC.	**Project Manager:**	Cathy Dover
Project:	EATON SELMA-2013.0014/4	**Project Number:**	EATON SELMA-2013.0014/4
SDG:	1411023 **CASE:**	**Status:**	Batched

LCS / LCS DUPLICATE SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111803-BS1 Matrix: Water Client ID: PLCSSL Batch: 4111803

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetylene	9.323	7.369	79		50 - 150
Ethane	10.74	12.19	114		61 - 134
Ethene	10.02	11.21	112		58 - 129
Methane	5.730	6.076	106		58 - 120

LCS / LCS DUPLICATE SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111803-BSD1 Matrix: Water Client ID: PLCSDSL Batch: 4111803

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetylene	9.323	6.847	73	7	20		50 - 150
Ethane	10.74	12.12	113	0.6	20		61 - 134
Ethene	10.02	11.06	110	1	20		58 - 129
Methane	5.730	6.040	105	0.6	20		58 - 120

PREPARATION BATCH SUMMARY

RSK 175

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Batch: 4111803 Matrix: Water Preparation: GC-RSK

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
IW-40B	1411023-01	11/18/14 09:21	1.00	1.00
IW-40BDL	1411023-01RE1	11/18/14 09:21	1.00	1.00
IW-2A	1411023-02	11/18/14 09:21	1.00	1.00
IW-2ADL	1411023-02RE1	11/18/14 09:21	1.00	1.00
IW-42B	1411023-03	11/18/14 09:21	1.00	1.00
IW-42BDL	1411023-03RE1	11/18/14 09:21	1.00	1.00
IW-60A	1411023-04	11/18/14 09:21	1.00	1.00
IW-60ADL	1411023-04RE1	11/18/14 09:21	1.00	1.00
PBLKSL	4111803-BLK1	11/18/14 09:21	1.00	1.00
PLCSSL	4111803-BS1	11/18/14 09:21	1.00	1.00
PLCSDSL	4111803-BSD1	11/18/14 09:21	1.00	1.00

ANALYSIS DATA SHEET

RSK 175

IW-2A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 242x1411023-02.d Sampled: 11/07/14 11:00

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-02 Received: 11/07/14 15:45

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 12:09

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene		0.15	1.0		*U*

DL2 - 15A NCAC 02L .0202

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ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

RSK 175

IW-2ADL

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 248x1411023-02.d Sampled: 11/07/14 11:00

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-02RE1 Received: 11/07/14 15:45

Dilution: 100 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 13:40

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	1000	4.8	58		*D*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

IW-40B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 241x1411023-01.d Sampled: 11/07/14 12:45

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-01 Received: 11/07/14 15:45

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 12:01

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene	3.7	1.0	1.0		
74-84-0	Ethane	5.0	0.14	1.1		
74-85-1	Ethene	68	0.15	1.0		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

IW-40BDL

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 247x1411023-01.d Sampled: 11/07/14 12:45

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-01RE1 Received: 11/07/14 15:45

Dilution: 100 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 13:32

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	800	4.8	58		*D*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

IW-42B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 243x1411023-03.d Sampled: 11/07/14 10:45

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-03 Received: 11/07/14 15:45

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 12:17

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane		0.14	1.1		*U*
74-85-1	Ethene	55	0.15	1.0		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

IW-42BDL

Client:	SOLUTIONS-IES, INC.	SDG	1411023	Project:	EATON SELMA-2013.0014/4		
Matrix:	Water	Extraction:	GC-RSK	File ID:	249x1411023-03.d	Sampled:	11/07/14 10:45
Initial/Final:	1mL / 1mL	Sulfur Cleanup:	N	Lab ID:	1411023-03RE1	Received:	11/07/14 15:45
Dilution:	100	pH:		Florisil Cleanup:	N	Prepared:	11/18/14 09:21
% Moisture:	NA	GPC Cleanup:	N	GPC Cleanup Factor:	N	Analyzed:	11/18/14 13:47
Batch:	4111803	Sequence:	4K18002	Calibration:	4081204	Instrument:	varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	1400	4.8	58		*D*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

IW-60A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 244x1411023-04.d Sampled: 11/07/14 12:30

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-04 Received: 11/07/14 15:45

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 12:24

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-86-2	Acetylene		1.0	1.0		*U*
74-84-0	Ethane	1.7	0.14	1.1		
74-85-1	Ethene	1.9	0.15	1.0		

DL2 - 15A NCAC 02L .0202

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ANALYSIS DATA SHEET

RSK 175

IW-60ADL

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 250x1411023-04.d Sampled: 11/07/14 12:30

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 1411023-04RE1 Received: 11/07/14 15:45

Dilution: 50 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 13:55

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	DL2	Q
74-82-8	Methane	560	2.4	29		*D*

DL2 - 15A NCAC 02L .0202

ANALYSIS DATA SHEET

RSK 175

PBLKSL

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 226x4111803-BLK1.d QC Type: Blank

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4111803-BLK1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 09:45

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene		1.0	1.0	U
74-84-0	Ethane		0.14	1.1	U
74-85-1	Ethene		0.15	1.0	U
74-82-8	Methane		0.048	0.58	U

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ANALYSIS DATA SHEET

RSK 175

PLCSSL

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 227x4111803-BS1.d QC Type: LCS

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4111803-BS1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 09:51

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene	7.369	1.0	1.0	
74-84-0	Ethane	12.19	0.14	1.1	
74-85-1	Ethene	11.21	0.15	1.0	
74-82-8	Methane	6.076	0.048	0.58	

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ANALYSIS DATA SHEET

RSK 175

PLCSDSL

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: GC-RSK File ID: 228x4111803-BSD1.d QC Type: LCS Dup

Initial/Final: 1mL / 1mL Sulfur Cleanup: N Lab ID: 4111803-BSD1 Column ID: GS-GASPRO

Dilution: 1 pH: Florisil Cleanup: N Prepared: 11/18/14 09:21

% Moisture: NA GPC Cleanup: N GPC Cleanup Factor: N Analyzed: 11/18/14 09:59

Batch: 4111803 Sequence: 4K18002 Calibration: 4081204 Instrument: varian67

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
74-86-2	Acetylene	6.847	1.0	1.0	
74-84-0	Ethane	12.12	0.14	1.1	
74-85-1	Ethene	11.06	0.15	1.0	
74-82-8	Methane	6.040	0.048	0.58	

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CompuChem

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Liberty Analytical Corp.

11/19/2014

JODY OVERMYER

SOLUTIONS-IES, INC.

1101 NOWELL ROAD

RALEIGH, NC 27607

Subject:

Report of Data - Project: EATON SELMA-2013.0014/4

WorkOrder: 1411023

Attn.: JODY OVERMYER

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: SOLUTIONS-IES, INC.
Project: EATON SELMA-2013.0014/4

Work: 1411023
Sdg: 1411023

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1411023-01	IW-40B	Water	11/07/2014 12:45	11/07/2014 15:45
1411023-02	IW-2A	Water	11/07/2014 11:00	11/07/2014 15:45
1411023-03	IW-42B	Water	11/07/2014 10:45	11/07/2014 15:45
1411023-04	IW-60A	Water	11/07/2014 12:30	11/07/2014 15:45
1411023-05	TB-4	Water	11/07/2014 00:00	11/07/2014 15:45

ANALYSES DATA PACKAGE COVER PAGE

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

Laboratory: COMPUCHEM

SDG: 1411023

Client Sample Id:	Analysis:	Lab Sample Id:
IW-40B	SW 8260B	1411023-01
IW-2A	SW 8260B	1411023-02
IW-42B	SW 8260B	1411023-03
IW-60A	SW 8260B	1411023-04
TB-4	SW 8260B	1411023-05

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Ken Grzybowski

Date: 11/20/2014 Title: President

CompuChem
A Division Of
Liberty Analytical Corp.

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

A. SDG Narrative

CompuChem
A division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1411023
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: IW-40B IW-42B IW-2A IW-60A TB-4

The 5 aqueous samples listed above were received intact, refrigerated at 2.1°C, with proper documentation, in sealed shipping containers, November 7, 2014. The samples listed above were scheduled for the requested analysis of the volatile fraction only. SW-846, 3rd Edition, Update 3, 8260B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices are included in the sample data sections.

VOLATILES

Analysis holding time requirements were met for all of the samples. The pH values of these samples ranged from 6 to 9.

Volatile Project/Target Compound List (TCL) analytes were identified above the Contract Required Quantitation Limit (CRQL) in these samples. Samples IW-40B, IW-42B and IW-2A were originally analyzed at a dilution due to the results of a Screen.

Manual integrations were performed in this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of the samples. All of the internal standards met response and retention time criteria in the analyses of the samples.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG.

All QC criteria were met for all initial, second-source and continuing calibration standards associated to this SDG.

The associated method blanks met all quality control criteria.

Duplicate matrix spikes were not requested with this SDG. The associated duplicate matrix spikes met most of the advisory accuracy and precision criteria. The associated Laboratory Control Samples (LCS/LCSD) met all quality control criteria.

I certify that this data package complies with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Quentisha Forrester
Chemist III
November 17, 2014

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
DRO/ORO	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
√	Restek	clpest	0.32	0.5	30
√	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
RSK	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
GRO	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
√	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
√	Restek	RTX-5Sil MS	0.32	0.25	30
	HPLC Laboratory				
PAH	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
PAH	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
EXP	Restek	Pinnacle Cyano	4.6	5.0	25 cm
EXP	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
√	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 30

This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semivolatiles, pesticides, and Aroclors by the requested analytical methods. Please see the SDG Narrative(s) for the specific fraction(s) relative to this SDG.
Note: This table also contains HPLC columns.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Revision 7 (01/12/2011)

CompuChem

A division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC/HPLC chemists. An Extracted Ion Current Profile (EICP) or a GC/HPLC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC/HPLC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak. The most common reasons for performing manual integrations/editing are: the compound was not found by the automatic integration routine, the compound was incorrectly integrated by the automatic integration routine, and the co-eluting compounds were incorrectly integrated by the automatic integration routine.

H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

ORGANIC DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on the appropriate reporting form for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 μg/L, but a concentration of 3 μg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85%), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The <u>lower</u> of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the <u>lower</u> of the two values is reported and flagged with a P on the reporting form. When the RPD is equal to or less than 40%, our policy is to also report the <u>lower</u> of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the <u>higher</u> of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on the appropriate reporting form for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the appropriate reporting form for the more diluted sample, and **all** reported concentrations on that form are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate reporting forms are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single reporting form.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an “S” flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor. The “S” flag is not utilized for non CLP analyses.

* This flag is applied to a target analyte when any QC acceptance criterion has not been met for that analyte. The flag appears on the reporting form of the associated QC analysis.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

CompuChem
A Division Of
Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

28717
Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jody Overmyer
Phone #: 919-873-1060
Sampler's Name: Clay Fussell, Savannah Hingtgen

Project Information

Project Name: Eaton Selma
Sampling Location: Selma, NC
Turnaround time: std
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	VOCs 8260B	Sulfide SM4500-S-F	Methane, ethane, ethene + acetylene RSK 175	pH / Sample Info (Lab Use) Sulfide
1411023-01	IW-40B	11/7/14	1245	GW	6	X					2N acetate NaOH	X	X	X	>9
-02	IW-2A	↓	1100	↓	↓	↓					↓	↓	↓	↓	>9
-03	IW-42B	↓	1045	↓	↓	↓					↓	↓	↓	↓	>9
-04	IW-60A	↓	1230	↓	↓	↓					↓	↓	↓	↓	>9
-05	TB-4	/	/	DI	3							↓			

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:
Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Date/Time: 11/7/14 1545 Received by: Date/Time: 11/7/14 1545
Relinquished by: Date/Time: Received by: Date/Time:
Subcontact? Y or N If yes, where? Custody Seal(s) intact? Y or N On Ice? Y or N Cooler Temp: 2.1 °C

client delay

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

IR GUN: SN0010

WORK ORDER

Printed: 11/8/2014 4:40:00PM

1411023

COMPUCHEM

Client:	**SOLUTIONS-IES, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**EATON SELMA-2013.0014/4**	**Project Number:**	**EATON SELMA-2013.0014/4**
SDG:	**1411023** **CASE:**	**Status:**	**Received**

Report To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone: (919) 873-1060
Fax: -

Invoice To:
SOLUTIONS-IES, INC.
JODY OVERMYER
1101 NOWELL ROAD
RALEIGH, NC 27607
Phone :(919) 873-1060
Fax: -

Date Due:	11/20/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	11/07/2014 15:45
Logged In By:	Cathy Dover	Date Logged In:	11/07/2014 16:18

J & B Flags?: **YES**	TICS?: **NO**	Deliverable: **Level 2 E-mail Only**	EDD : **61) CUSTOM EXCEL**
Metals ND to? **MDL**	Spike Level: **FULL Spike**		

NC CRITERIA*LCS/LCSD FOR QC*VOA 8260B=SOL.SUB(UNPRES.HT=7 days)*RSK175=MEE +ACET*SULFIDE

Analysis	Due	TAT	Expires	Received	Comments
1411023-01 IW-40B [Water] Sampled 11/07/2014 12:45 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 12:45	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-02 IW-2A [Water] Sampled 11/07/2014 11:00 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 11:00	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-03 IW-42B [Water] Sampled 11/07/2014 10:45 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 10:45	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-04 IW-60A [Water] Sampled 11/07/2014 12:30 Eastern					
GC-RSK-175	11/20/2014 16:00	13	11/21/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=GC - RSKMEE+ACET (08
SULFIDE SM4500S-2-F WATER	11/20/2014 16:00	13	11/14/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=WC -SULFIDE (08-14-14)
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 12:30	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)
1411023-05 TB-4 [Water] Sampled 11/07/2014 00:00 Eastern				**TRIP BLK**	
VOA-8260B 25ML	11/20/2014 16:00	13	11/14/2014 00:00	11/07/2014 15:45	SubList(NCAC 2L)=VOC- SOL (08-05-14)

WORK ORDER

Printed: 11/8/2014 4:40:00PM

1411023

COMPUCHEM

Client:	SOLUTIONS-IES, INC.	**Project Manager:**	Cathy Dover
Project:	EATON SELMA-2013.0014/4	**Project Number:**	EATON SELMA-2013.0014/4
SDG:	1411023 **CASE:**	**Status:**	Batched

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411023 Instrument: 5975hpms91

Sequence: 4K10004 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
Blank (4111020-BLK1) ug/L				
Lab File ID: 4111020-BLK1R91.d	Analyzed: 11/10/14 15:14			
Dibromofluoromethane	5.000	98	65 - 150	
1,2-Dichloroethane-d4	5.000	97	59 - 150	
Toluene-d8	5.000	93	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
LCS (4111020-BS1) ug/L				
Lab File ID: 4111020-BS191.d	Analyzed: 11/10/14 15:53			
Dibromofluoromethane	5.000	97	65 - 150	
1,2-Dichloroethane-d4	5.000	97	59 - 150	
Toluene-d8	5.000	94	61 - 145	
Bromofluorobenzene	5.000	99	63 - 143	
LCS Dup (4111020-BSD1) ug/L				
Lab File ID: 4111020-BSD191.d	Analyzed: 11/10/14 16:23			
Dibromofluoromethane	5.000	96	65 - 150	
1,2-Dichloroethane-d4	5.000	98	59 - 150	
Toluene-d8	5.000	93	61 - 145	
Bromofluorobenzene	5.000	98	63 - 143	
IW-40B (1411023-01) ug/L				
Lab File ID: 1411023-0191.d	Analyzed: 11/11/14 00:27			
Dibromofluoromethane	5.000	104	65 - 150	
1,2-Dichloroethane-d4	5.000	111	59 - 150	
Toluene-d8	5.000	86	61 - 145	
Bromofluorobenzene	5.000	90	63 - 143	
IW-42B (1411023-03) ug/L				
Lab File ID: 1411023-0391.d	Analyzed: 11/11/14 01:26			
Dibromofluoromethane	5.000	108	65 - 150	
1,2-Dichloroethane-d4	5.000	108	59 - 150	
Toluene-d8	5.000	83	61 - 145	
Bromofluorobenzene	5.000	88	63 - 143	

SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411023 Instrument: 5975hpms91

Sequence: 4K11008 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
Blank (4111104-BLK1) ug/L				
Lab File ID: 4111104-BLK1R91.d	Analyzed: 11/11/14 15:31			
Dibromofluoromethane	5.000	97	65 - 150	
1,2-Dichloroethane-d4	5.000	98	59 - 150	
Toluene-d8	5.000	91	61 - 145	
Bromofluorobenzene	5.000	94	63 - 143	
LCS (4111104-BS1) ug/L				
Lab File ID: 4111104-BS191.d	Analyzed: 11/11/14 16:10			
Dibromofluoromethane	5.000	98	65 - 150	
1,2-Dichloroethane-d4	5.000	95	59 - 150	
Toluene-d8	5.000	96	61 - 145	
Bromofluorobenzene	5.000	100	63 - 143	
LCS Dup (4111104-BSD1) ug/L				
Lab File ID: 4111104-BSD191.d	Analyzed: 11/11/14 16:40			
Dibromofluoromethane	5.000	97	65 - 150	
1,2-Dichloroethane-d4	5.000	96	59 - 150	
Toluene-d8	5.000	95	61 - 145	
Bromofluorobenzene	5.000	97	63 - 143	
IW-2A (1411023-02) ug/L				
Lab File ID: 1411023-02D91.d	Analyzed: 11/11/14 20:14			
Dibromofluoromethane	5.000	109	65 - 150	
1,2-Dichloroethane-d4	5.000	107	59 - 150	
Toluene-d8	5.000	90	61 - 145	
Bromofluorobenzene	5.000	91	63 - 143	
IW-60A (1411023-04) ug/L				
Lab File ID: 1411023-0491.d	Analyzed: 11/11/14 20:43			
Dibromofluoromethane	5.000	119	65 - 150	
1,2-Dichloroethane-d4	5.000	121	59 - 150	
Toluene-d8	5.000	88	61 - 145	
Bromofluorobenzene	5.000	90	63 - 143	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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SURROGATE STANDARD RECOVERY

SW 8260B

Client: SOLUTIONS-IES, INC.

Project: EATON SELMA-2013.0014/4

SDG: 1411023 Instrument: 5975hpms91

Sequence: 4K11008 Calibration: 4111003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
TB-4 (1411023-05) ug/L				
Lab File ID: 1411023-0591.d	Analyzed: 11/11/14 21:12			
Dibromofluoromethane	5.000	110	65 - 150	
1,2-Dichloroethane-d4	5.000	110	59 - 150	
Toluene-d8	5.000	85	61 - 145	
Bromofluorobenzene	5.000	89	63 - 143	

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BS1 Matrix: Water Client ID: VLCSIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	5.000	4.666	93		50 - 150
1,1,1-Trichloroethane	5.000	5.059	101		71 - 137
1,1,2,2-Tetrachloroethane	5.000	4.841	97		63 - 122
1,1,2-Trichloroethane	5.000	4.755	95		68 - 130
1,1-Dichloroethane	5.000	4.984	100		59 - 138
1,1-Dichloroethene	5.000	4.925	99		74 - 143
1,1-Dichloropropene	5.000	5.261	105		50 - 150
1,2,3-Trichlorobenzene	5.000	4.907	98		50 - 150
1,2,3-Trichloropropane	5.000	4.695	94		50 - 150
1,2,4-Trichlorobenzene	5.000	4.946	99		52 - 147
1,2,4-Trimethylbenzene	5.000	4.886	98		50 - 150
1,2-Dibromo-3-chloropropane	5.000	4.535	91		71 - 128
1,2-Dibromoethane	5.000	4.697	94		73 - 128
1,2-Dichlorobenzene	5.000	4.904	98		71 - 127
1,2-Dichloroethane	5.000	4.953	99		61 - 150
1,2-Dichloropropane	5.000	4.940	99		67 - 137
1,3,5-Trimethylbenzene	5.000	4.875	97		50 - 150
1,3-Dichlorobenzene	5.000	4.913	98		64 - 136
1,3-Dichloropropane	5.000	4.739	95		50 - 150
1,4-Dichlorobenzene	5.000	4.889	98		69 - 125
2,2-Dichloropropane	5.000	4.970	99		50 - 150
2-Butanone	25.00	24.11	96		65 - 134
2-Chloroethylvinyl ether	10.00	9.019	90		50 - 150
2-Chlorotoluene	5.000	4.841	97		50 - 150
2-Hexanone	25.00	23.29	93		53 - 140
4-Chlorotoluene	5.000	4.871	97		50 - 150
4-Methyl-2-pentanone	25.00	23.63	95		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BS1 Matrix: Water Client ID: VLCSIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetone	25.00	25.20	101		50 - 150
Acrolein	50.00	41.87	84		50 - 150
Acrylonitrile	50.00	49.55	99		50 - 150
Benzene	5.000	5.029	101		68 - 138
Bromobenzene	5.000	4.767	95		50 - 150
Bromochloromethane	5.000	5.106	102		50 - 150
Bromodichloromethane	5.000	5.001	100		73 - 142
Bromoform	5.000	4.659	93		62 - 138
Bromomethane	5.000	4.892	98		50 - 150
Carbon disulfide	5.000	5.105 B	102		50 - 150
Carbon tetrachloride	5.000	4.947	99		68 - 145
Chlorobenzene	5.000	4.783	96		68 - 129
Chloroethane	5.000	5.023	100		54 - 150
Chloroform	5.000	5.097	102		67 - 147
Chloromethane	5.000	4.930	99		50 - 150
cis-1,2-Dichloroethene	5.000	5.026	101		69 - 140
cis-1,3-Dichloropropene	5.000	4.854	97		74 - 134
Dibromochloromethane	5.000	4.749	95		68 - 137
Dibromomethane	5.000	4.971	99		50 - 150
Dichlorodifluoromethane	5.000	5.397	108		50 - 150
Ethylbenzene	5.000	4.690	94		67 - 127
Hexachlorobutadiene	5.000	5.056	101		50 - 150
Isopropyl Ether	5.000	4.751	95		50 - 150
Isopropylbenzene	5.000	4.788	96		56 - 143
m,p-Xylene	10.00	9.422	94		60 - 140
Methyl tert-butyl ether	5.000	4.683	94		68 - 134
Methylene chloride	5.000	4.775	95		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BS1 Matrix: Water Client ID: VLCSIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Naphthalene	5.000	4.582	92		50 - 150
n-Butylbenzene	5.000	4.983	100		50 - 150
n-Propylbenzene	5.000	4.929	99		50 - 150
o-Xylene	5.000	4.717	94		60 - 140
p-Isopropyltoluene	5.000	4.888	98		50 - 150
sec-Butylbenzene	5.000	4.918	98		50 - 150
Styrene	5.000	4.575	92		66 - 139
tert-Butylbenzene	5.000	4.777	96		50 - 150
Tetrachloroethene	5.000	4.870	97		65 - 137
Toluene	5.000	4.785	96		60 - 142
trans-1,2-Dichloroethene	5.000	5.077	102		50 - 137
trans-1,3-Dichloropropene	5.000	4.853	97		66 - 130
Trichloroethene	5.000	4.834	97		55 - 150
Trichlorofluoromethane	5.000	5.258	105		56 - 150
Vinyl acetate	5.000	4.708	94		50 - 150
Vinyl chloride	5.000	4.870	97		61 - 150

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BSD1 Matrix: Water Client ID: VLCSDIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
1,1,1,2-Tetrachloroethane	5.000	4.739	95	2	25		50 - 150
1,1,1-Trichloroethane	5.000	5.114	102	1	25		71 - 137
1,1,2,2-Tetrachloroethane	5.000	5.116	102	6	25		63 - 122
1,1,2-Trichloroethane	5.000	4.979	100	5	25		68 - 130
1,1-Dichloroethane	5.000	5.000	100	0.3	25		59 - 138
1,1-Dichloroethene	5.000	5.042	101	2	14		74 - 143
1,1-Dichloropropene	5.000	5.297	106	0.7	25		50 - 150
1,2,3-Trichlorobenzene	5.000	5.107	102	4	25		50 - 150
1,2,3-Trichloropropane	5.000	5.011	100	7	25		50 - 150
1,2,4-Trichlorobenzene	5.000	5.033	101	2	25		52 - 147
1,2,4-Trimethylbenzene	5.000	4.856	97	0.6	25		50 - 150
1,2-Dibromo-3-chloropropane	5.000	5.061	101	11	25		71 - 128
1,2-Dibromoethane	5.000	4.960	99	5	25		73 - 128
1,2-Dichlorobenzene	5.000	5.002	100	2	25		71 - 127
1,2-Dichloroethane	5.000	5.097	102	3	25		61 - 150
1,2-Dichloropropane	5.000	5.034	101	2	25		67 - 137
1,3,5-Trimethylbenzene	5.000	4.839	97	0.7	25		50 - 150
1,3-Dichlorobenzene	5.000	4.920	98	0.1	25		64 - 136
1,3-Dichloropropane	5.000	4.936	99	4	25		50 - 150
1,4-Dichlorobenzene	5.000	5.046	101	3	25		69 - 125
2,2-Dichloropropane	5.000	4.878	98	2	25		50 - 150
2-Butanone	25.00	26.02	104	8	25		65 - 134
2-Chloroethylvinyl ether	10.00	9.367	94	4	25		50 - 150
2-Chlorotoluene	5.000	4.835	97	0.1	25		50 - 150
2-Hexanone	25.00	24.93	100	7	25		53 - 140
4-Chlorotoluene	5.000	4.939	99	1	25		50 - 150
4-Methyl-2-pentanone	25.00	25.13	101	6	25		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BSD1 Matrix: Water Client ID: VLCSDIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetone	25.00	28.34	113	12	25		50 - 150
Acrolein	50.00	45.16	90	8	25		50 - 150
Acrylonitrile	50.00	53.23	106	7	25		50 - 150
Benzene	5.000	5.049	101	0.4	11		68 - 138
Bromobenzene	5.000	4.896	98	3	25		50 - 150
Bromochloromethane	5.000	5.085	102	0.4	25		50 - 150
Bromodichloromethane	5.000	5.058	101	1	25		73 - 142
Bromoform	5.000	4.787	96	3	25		62 - 138
Bromomethane	5.000	4.747	95	3	25		50 - 150
Carbon disulfide	5.000	5.146 B	103	0.8	25		50 - 150
Carbon tetrachloride	5.000	4.925	98	0.4	25		68 - 145
Chlorobenzene	5.000	4.877	98	2	13		68 - 129
Chloroethane	5.000	4.995	100	0.6	25		54 - 150
Chloroform	5.000	5.143	103	0.9	25		67 - 147
Chloromethane	5.000	4.736	95	4	25		50 - 150
cis-1,2-Dichloroethene	5.000	5.080	102	1	25		69 - 140
cis-1,3-Dichloropropene	5.000	4.816	96	0.8	25		74 - 134
Dibromochloromethane	5.000	4.934	99	4	25		68 - 137
Dibromomethane	5.000	5.096	102	2	25		50 - 150
Dichlorodifluoromethane	5.000	5.355	107	0.8	25		50 - 150
Ethylbenzene	5.000	4.726	95	0.8	25		67 - 127
Hexachlorobutadiene	5.000	4.868	97	4	25		50 - 150
Isopropyl Ether	5.000	4.771	95	0.4	25		50 - 150
Isopropylbenzene	5.000	4.791	96	0.06	25		56 - 143
m,p-Xylene	10.00	9.527	95	1	25		60 - 140
Methyl tert-butyl ether	5.000	4.819	96	3	25		68 - 134
Methylene chloride	5.000	4.881	98	2	25		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111020-BSD1 Matrix: Water Client ID: VLCSDIP Batch: 4111020

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Naphthalene	5.000	4.903	98	7	25		50 - 150
n-Butylbenzene	5.000	4.799	96	4	25		50 - 150
n-Propylbenzene	5.000	4.856	97	2	25		50 - 150
o-Xylene	5.000	4.762	95	0.9	25		60 - 140
p-Isopropyltoluene	5.000	4.772	95	2	25		50 - 150
sec-Butylbenzene	5.000	4.794	96	3	25		50 - 150
Styrene	5.000	4.648	93	2	25		66 - 139
tert-Butylbenzene	5.000	4.737	95	0.8	25		50 - 150
Tetrachloroethene	5.000	4.878	98	0.2	25		65 - 137
Toluene	5.000	4.877	98	2	13		60 - 142
trans-1,2-Dichloroethene	5.000	5.157	103	2	25		50 - 137
trans-1,3-Dichloropropene	5.000	5.091	102	5	25		66 - 130
Trichloroethene	5.000	4.889	98	1	14		55 - 150
Trichlorofluoromethane	5.000	5.208	104	1	25		56 - 150
Vinyl acetate	5.000	4.852	97	3	25		50 - 150
Vinyl chloride	5.000	4.989	100	2	25		61 - 150

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111104-BS1 Matrix: Water Client ID: VLCSIQ Batch: 4111104

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	5.000	4.662	93		50 - 150
1,1,1-Trichloroethane	5.000	4.977	100		71 - 137
1,1,2,2-Tetrachloroethane	5.000	4.668	93		63 - 122
1,1,2-Trichloroethane	5.000	4.526	91		68 - 130
1,1-Dichloroethane	5.000	5.051	101		59 - 138
1,1-Dichloroethene	5.000	5.398	108		74 - 143
1,1-Dichloropropene	5.000	5.165	103		50 - 150
1,2,3-Trichlorobenzene	5.000	4.624	92		50 - 150
1,2,3-Trichloropropane	5.000	4.399	88		50 - 150
1,2,4-Trichlorobenzene	5.000	4.712	94		52 - 147
1,2,4-Trimethylbenzene	5.000	4.837	97		50 - 150
1,2-Dibromo-3-chloropropane	5.000	4.391	88		71 - 128
1,2-Dibromoethane	5.000	4.598	92		73 - 128
1,2-Dichlorobenzene	5.000	4.811	96		71 - 127
1,2-Dichloroethane	5.000	4.876	98		61 - 150
1,2-Dichloropropane	5.000	4.979	100		67 - 137
1,3,5-Trimethylbenzene	5.000	4.889	98		50 - 150
1,3-Dichlorobenzene	5.000	4.908	98		64 - 136
1,3-Dichloropropane	5.000	4.589	92		50 - 150
1,4-Dichlorobenzene	5.000	4.834	97		69 - 125
2,2-Dichloropropane	5.000	3.146	63		50 - 150
2-Butanone	25.00	21.10	84		65 - 134
2-Chloroethylvinyl ether	10.00	7.495	75		50 - 150
2-Chlorotoluene	5.000	4.865	97		50 - 150
2-Hexanone	25.00	21.05	84		53 - 140
4-Chlorotoluene	5.000	4.867	97		50 - 150
4-Methyl-2-pentanone	25.00	21.42	86		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111104-BS1 Matrix: Water Client ID: VLCSIQ Batch: 4111104

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Acetone	25.00	26.15 B	105		50 - 150
Acrolein	50.00	37.65	75		50 - 150
Acrylonitrile	50.00	44.89	90		50 - 150
Benzene	5.000	5.064	101		68 - 138
Bromobenzene	5.000	4.685	94		50 - 150
Bromochloromethane	5.000	4.962	99		50 - 150
Bromodichloromethane	5.000	4.867	97		73 - 142
Bromoform	5.000	4.339	87		62 - 138
Bromomethane	5.000	5.153	103		50 - 150
Carbon disulfide	5.000	5.076	102		50 - 150
Carbon tetrachloride	5.000	4.783	96		68 - 145
Chlorobenzene	5.000	4.837	97		68 - 129
Chloroethane	5.000	5.466	109		54 - 150
Chloroform	5.000	5.103	102		67 - 147
Chloromethane	5.000	5.225	105		50 - 150
cis-1,2-Dichloroethene	5.000	4.992	100		69 - 140
cis-1,3-Dichloropropene	5.000	4.263	85		74 - 134
Dibromochloromethane	5.000	4.559	91		68 - 137
Dibromomethane	5.000	4.711	94		50 - 150
Dichlorodifluoromethane	5.000	5.102	102		50 - 150
Ethylbenzene	5.000	4.759	95		67 - 127
Hexachlorobutadiene	5.000	4.624	92		50 - 150
Isopropyl Ether	5.000	4.541	91		50 - 150
Isopropylbenzene	5.000	4.779	96		56 - 143
m,p-Xylene	10.00	9.495	95		60 - 140
Methyl tert-butyl ether	5.000	4.435	89		68 - 134
Methylene chloride	5.000	4.749	95		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111104-BS1 Matrix: Water Client ID: VLCSIQ Batch: 4111104

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	Q	QC LIMITS REC.
Naphthalene	5.000	4.298	86		50 - 150
n-Butylbenzene	5.000	4.738	95		50 - 150
n-Propylbenzene	5.000	4.897	98		50 - 150
o-Xylene	5.000	4.759	95		60 - 140
p-Isopropyltoluene	5.000	4.758	95		50 - 150
sec-Butylbenzene	5.000	4.823	96		50 - 150
Styrene	5.000	4.507	90		66 - 139
tert-Butylbenzene	5.000	4.753	95		50 - 150
Tetrachloroethene	5.000	4.733	95		65 - 137
Toluene	5.000	4.875	97		60 - 142
trans-1,2-Dichloroethene	5.000	5.106	102		50 - 137
trans-1,3-Dichloropropene	5.000	4.248	85		66 - 130
Trichloroethene	5.000	4.818	96		55 - 150
Trichlorofluoromethane	5.000	5.442	109		56 - 150
Vinyl acetate	5.000	3.140	63		50 - 150
Vinyl chloride	5.000	5.409	108		61 - 150

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111104-BSD1 Matrix: Water Client ID: VLCSDIQ Batch: 4111104

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
1,1,1,2-Tetrachloroethane	5.000	4.722	94	1	25		50 - 150
1,1,1-Trichloroethane	5.000	4.983	100	0.1	25		71 - 137
1,1,2,2-Tetrachloroethane	5.000	4.785	96	2	25		63 - 122
1,1,2-Trichloroethane	5.000	4.613	92	2	25		68 - 130
1,1-Dichloroethane	5.000	5.062	101	0.2	25		59 - 138
1,1-Dichloroethene	5.000	5.440	109	0.8	14		74 - 143
1,1-Dichloropropene	5.000	5.243	105	2	25		50 - 150
1,2,3-Trichlorobenzene	5.000	4.907	98	6	25		50 - 150
1,2,3-Trichloropropane	5.000	4.776	96	8	25		50 - 150
1,2,4-Trichlorobenzene	5.000	4.943	99	5	25		52 - 147
1,2,4-Trimethylbenzene	5.000	4.839	97	0.05	25		50 - 150
1,2-Dibromo-3-chloropropane	5.000	4.602	92	5	25		71 - 128
1,2-Dibromoethane	5.000	4.838	97	5	25		73 - 128
1,2-Dichlorobenzene	5.000	4.909	98	2	25		71 - 127
1,2-Dichloroethane	5.000	5.003	100	3	25		61 - 150
1,2-Dichloropropane	5.000	4.997	100	0.4	25		67 - 137
1,3,5-Trimethylbenzene	5.000	4.859	97	0.6	25		50 - 150
1,3-Dichlorobenzene	5.000	4.895	98	0.3	25		64 - 136
1,3-Dichloropropane	5.000	4.816	96	5	25		50 - 150
1,4-Dichlorobenzene	5.000	4.968	99	3	25		69 - 125
2,2-Dichloropropane	5.000	3.156	63	0.3	25		50 - 150
2-Butanone	25.00	23.19	93	9	25		65 - 134
2-Chloroethylvinyl ether	10.00	8.120	81	8	25		50 - 150
2-Chlorotoluene	5.000	4.862	97	0.07	25		50 - 150
2-Hexanone	25.00	23.19	93	10	25		53 - 140
4-Chlorotoluene	5.000	4.988	100	2	25		50 - 150
4-Methyl-2-pentanone	25.00	23.34	93	9	25		66 - 127

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111104-BSD1 Matrix: Water Client ID: VLCSDIQ Batch: 4111104

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Acetone	25.00	26.73 B	107	2	25		50 - 150
Acrolein	50.00	39.62	79	5	25		50 - 150
Acrylonitrile	50.00	44.38	89	1	25		50 - 150
Benzene	5.000	5.117	102	1	11		68 - 138
Bromobenzene	5.000	4.890	98	4	25		50 - 150
Bromochloromethane	5.000	4.953	99	0.2	25		50 - 150
Bromodichloromethane	5.000	5.051	101	4	25		73 - 142
Bromoform	5.000	4.539	91	5	25		62 - 138
Bromomethane	5.000	5.220	104	1	25		50 - 150
Carbon disulfide	5.000	5.143	103	1	25		50 - 150
Carbon tetrachloride	5.000	4.832	97	1	25		68 - 145
Chlorobenzene	5.000	4.931	99	2	13		68 - 129
Chloroethane	5.000	5.569	111	2	25		54 - 150
Chloroform	5.000	5.117	102	0.3	25		67 - 147
Chloromethane	5.000	5.130	103	2	25		50 - 150
cis-1,2-Dichloroethene	5.000	5.014	100	0.4	25		69 - 140
cis-1,3-Dichloropropene	5.000	4.434	89	4	25		74 - 134
Dibromochloromethane	5.000	4.787	96	5	25		68 - 137
Dibromomethane	5.000	4.910	98	4	25		50 - 150
Dichlorodifluoromethane	5.000	4.945	99	3	25		50 - 150
Ethylbenzene	5.000	4.821	96	1	25		67 - 127
Hexachlorobutadiene	5.000	4.888	98	6	25		50 - 150
Isopropyl Ether	5.000	4.760	95	5	25		50 - 150
Isopropylbenzene	5.000	4.881	98	2	25		56 - 143
m,p-Xylene	10.00	9.649	96	2	25		60 - 140
Methyl tert-butyl ether	5.000	4.601	92	4	25		68 - 134
Methylene chloride	5.000	4.819	96	1	25		50 - 139

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

LCS / LCS DUPLICATE SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Lab ID: 4111104-BSD1 Matrix: Water Client ID: VLCSDIQ Batch: 4111104

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Naphthalene	5.000	4.698	94	9	25		50 - 150
n-Butylbenzene	5.000	4.777	96	0.8	25		50 - 150
n-Propylbenzene	5.000	4.893	98	0.08	25		50 - 150
o-Xylene	5.000	4.828	97	1	25		60 - 140
p-Isopropyltoluene	5.000	4.807	96	1	25		50 - 150
sec-Butylbenzene	5.000	4.830	97	0.2	25		50 - 150
Styrene	5.000	4.636	93	3	25		66 - 139
tert-Butylbenzene	5.000	4.793	96	0.8	25		50 - 150
Tetrachloroethene	5.000	4.826	97	2	25		65 - 137
Toluene	5.000	4.930	99	1	13		60 - 142
trans-1,2-Dichloroethene	5.000	5.132	103	0.5	25		50 - 137
trans-1,3-Dichloropropene	5.000	4.464	89	5	25		66 - 130
Trichloroethene	5.000	4.898	98	2	14		55 - 150
Trichlorofluoromethane	5.000	5.462	109	0.4	25		56 - 150
Vinyl acetate	5.000	4.110	82	27 *	25		50 - 150
Vinyl chloride	5.000	5.443	109	0.6	25		61 - 150

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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PREPARATION BATCH SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Batch: 4111020 Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
IW-40B	1411023-01	11/10/14 15:14	25.0	25.0
IW-42B	1411023-03	11/10/14 15:14	25.0	25.0
VBLKIP	4111020-BLK1	11/10/14 15:14	25.0	25.0
VLCSIP	4111020-BS1	11/10/14 15:14	25.0	25.0
VLCSDIP	4111020-BSD1	11/10/14 15:14	25.0	25.0

PREPARATION BATCH SUMMARY

SW 8260B

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Batch: 4111104 Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (mL)	FINAL VOL/WT (mL)
IW-2A	1411023-02	11/11/14 15:31	25.0	25.0
IW-60A	1411023-04	11/11/14 15:31	25.0	25.0
TB-4	1411023-05	11/11/14 15:31	25.0	25.0
VBLKIQ	4111104-BLK1	11/11/14 15:31	25.0	25.0
VLCSIQ	4111104-BS1	11/11/14 15:31	25.0	25.0
VLCSDIQ	4111104-BSD1	11/11/14 15:31	25.0	25.0

ANALYSIS DATA SHEET

SW 8260B

IW-2A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-02D91.d Sampled: 11/07/14 11:00

Initial/Final: 25mL / 25mL Lab ID: 1411023-02 Received: 11/07/14 15:45

Dilution: 7.14 pH: 7 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 20:14

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.14	3.6		*U*
71-55-6	1,1,1-Trichloroethane		0.14	3.6	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		0.36	3.6	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.29	3.6		*U*
75-34-3	1,1-Dichloroethane	1.3	0.14	3.6	6	*JD*
75-35-4	1,1-Dichloroethene	2.9	0.29	3.6	3501	*JD*
563-58-6	1,1-Dichloropropene		0.21	3.6		*U*
87-61-6	1,2,3-Trichlorobenzene		0.43	3.6		*U*
96-18-4	1,2,3-Trichloropropane		0.64	3.6	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.43	3.6	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.14	3.6	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		1.8	3.6	0.04	*U*
106-93-4	1,2-Dibromoethane		0.29	3.6	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.21	3.6	20	*U*
107-06-2	1,2-Dichloroethane		0.21	3.6	0.4	*U*
78-87-5	1,2-Dichloropropane		0.86	3.6	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.21	3.6	400	*U*
541-73-1	1,3-Dichlorobenzene		0.29	3.6	200	*U*
142-28-9	1,3-Dichloropropane		0.21	3.6		*U*
106-46-7	1,4-Dichlorobenzene		0.21	3.6	6	*U*
594-20-7	2,2-Dichloropropane		0.21	3.6		*U*
78-93-3	2-Butanone	1000	2.0	18	4000	*D*
110-75-8	2-Chloroethylvinyl ether		1.4	7.1		*U*
95-49-8	2-Chlorotoluene		0.29	3.6	100	*U*
591-78-6	2-Hexanone	40	3.6	18		*D*
106-43-4	4-Chlorotoluene		0.29	3.6		*U*
108-10-1	4-Methyl-2-pentanone		3.0	18		*U*
67-64-1	Acetone	510	3.1	18		*BD*
107-02-8	Acrolein		7.4	36		*U*
107-13-1	Acrylonitrile		2.6	36		*U*
71-43-2	Benzene		0.21	3.6	1	*U*
108-86-1	Bromobenzene		0.29	3.6		*U*
74-97-5	Bromochloromethane		0.29	3.6		*U*
75-27-4	Bromodichloromethane		0.21	3.6	0.6	*U*

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ANALYSIS DATA SHEET

SW 8260B

IW-2A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-02D91.d Sampled: 11/07/14 11:00

Initial/Final: 25mL / 25mL Lab ID: 1411023-02 Received: 11/07/14 15:45

Dilution: 7.14 pH: 7 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 20:14

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.21	3.6	4	*U*
74-83-9	Bromomethane		0.79	3.6		*U*
75-15-0	Carbon disulfide	0.43	0.14	3.6	700	*JD*
56-23-5	Carbon tetrachloride		0.21	3.6	0.3	*U*
108-90-7	Chlorobenzene		0.14	3.6	50	*U*
75-00-3	Chloroethane	1.8	1.4	3.6	3000	*JD*
67-66-3	Chloroform		0.21	3.6	70	*U*
74-87-3	Chloromethane	1.9	0.79	3.6	3	*JD*
156-59-2	cis-1,2-Dichloroethene	5.1	0.21	3.6	70	*D*
10061-01-5	cis-1,3-Dichloropropene		0.29	3.6	0.4	*U*
124-48-1	Dibromochloromethane		0.29	3.6	0.4	*U*
74-95-3	Dibromomethane		0.21	3.6		*U*
75-71-8	Dichlorodifluoromethane		0.21	3.6	1000	*U*
100-41-4	Ethylbenzene		0.29	3.6	600	*U*
87-68-3	Hexachlorobutadiene		0.21	3.6	0.4	*U*
108-20-3	Isopropyl Ether		0.29	3.6	70	*U*
98-82-8	Isopropylbenzene		0.36	3.6	70	*U*
179601-23-1	m,p-Xylene		0.57	7.1		*U*
1634-04-4	Methyl tert-butyl ether	4.8	0.21	3.6	20	*D*
75-09-2	Methylene chloride	7.9	0.14	3.6		*D*
91-20-3	Naphthalene		1.1	3.6	6	*U*
104-51-8	n-Butylbenzene		0.14	3.6	70	*U*
103-65-1	n-Propylbenzene		0.21	3.6	70	*U*
95-47-6	o-Xylene		0.21	3.6		*U*
99-87-6	p-Isopropyltoluene		0.21	3.6		*U*
135-98-8	sec-Butylbenzene		0.14	3.6	70	*U*
100-42-5	Styrene		0.14	3.6	70	*U*
98-06-6	tert-Butylbenzene		0.21	3.6	70	*U*
127-18-4	Tetrachloroethene	1.2	0.43	3.6	0.7	*JD*
108-88-3	Toluene	0.27	0.21	3.6	600	*JD*
156-60-5	trans-1,2-Dichloroethene		0.36	3.6	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.36	3.6		*U*
79-01-6	Trichloroethene	1.1	0.21	3.6	3	*JD*
75-69-4	Trichlorofluoromethane		0.43	3.6	2000	*U*

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SW 8260B

IW-2A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-02D91.d Sampled: 11/07/14 11:00

Initial/Final: 25mL / 25mL Lab ID: 1411023-02 Received: 11/07/14 15:45

Dilution: 7.14 pH: 7 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 20:14

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.43	3.6		*U*
75-01-4	Vinyl chloride	30	0.50	3.6	0.03	*D*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.430	109	65 - 150	
1,2-Dichloroethane-d4	5.000	5.334	107	59 - 150	
Toluene-d8	5.000	4.510	90	61 - 145	
Bromofluorobenzene	5.000	4.555	91	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

IW-40B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0191.d Sampled: 11/07/14 12:45

Initial/Final: 25mL / 25mL Lab ID: 1411023-01 Received: 11/07/14 15:45

Dilution: 20.08 pH: 9 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/11/14 00:27

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.40	10		*U*
71-55-6	1,1,1-Trichloroethane		0.40	10	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		1.0	10	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.80	10		*U*
75-34-3	1,1-Dichloroethane	110	0.40	10	6	*D*
75-35-4	1,1-Dichloroethene	130	0.80	10	3501	*D*
563-58-6	1,1-Dichloropropene		0.60	10		*U*
87-61-6	1,2,3-Trichlorobenzene		1.2	10		*U*
96-18-4	1,2,3-Trichloropropane		1.8	10	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		1.2	10	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.40	10	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		5.0	10	0.04	*U*
106-93-4	1,2-Dibromoethane		0.80	10	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.60	10	20	*U*
107-06-2	1,2-Dichloroethane		0.60	10	0.4	*U*
78-87-5	1,2-Dichloropropane		2.4	10	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.60	10	400	*U*
541-73-1	1,3-Dichlorobenzene		0.80	10	200	*U*
142-28-9	1,3-Dichloropropane		0.60	10		*U*
106-46-7	1,4-Dichlorobenzene		0.60	10	6	*U*
594-20-7	2,2-Dichloropropane		0.60	10		*U*
78-93-3	2-Butanone		5.6	50	4000	*U*
110-75-8	2-Chloroethylvinyl ether		3.8	20		*U*
95-49-8	2-Chlorotoluene		0.80	10	100	*U*
591-78-6	2-Hexanone		10	50		*U*
106-43-4	4-Chlorotoluene		0.80	10		*U*
108-10-1	4-Methyl-2-pentanone		8.4	50		*U*
67-64-1	Acetone	50	8.8	50		*JD*
107-02-8	Acrolein		21	100		*U*
107-13-1	Acrylonitrile		7.2	100		*U*
71-43-2	Benzene		0.60	10	1	*U*
108-86-1	Bromobenzene		0.80	10		*U*
74-97-5	Bromochloromethane		0.80	10		*U*
75-27-4	Bromodichloromethane		0.60	10	0.6	*U*

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SW 8260B

IW-40B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0191.d Sampled: 11/07/14 12:45

Initial/Final: 25mL / 25mL Lab ID: 1411023-01 Received: 11/07/14 15:45

Dilution: 20.08 pH: 9 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/11/14 00:27

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.60	10	4	*U*
74-83-9	Bromomethane		2.2	10		*U*
75-15-0	Carbon disulfide	1.6	0.40	10	700	*JBD*
56-23-5	Carbon tetrachloride		0.60	10	0.3	*U*
108-90-7	Chlorobenzene		0.40	10	50	*U*
75-00-3	Chloroethane		4.0	10	3000	*U*
67-66-3	Chloroform	1.4	0.60	10	70	*JD*
74-87-3	Chloromethane		2.2	10	3	*U*
156-59-2	cis-1,2-Dichloroethene	660	0.60	10	70	*D*
10061-01-5	cis-1,3-Dichloropropene		0.80	10	0.4	*U*
124-48-1	Dibromochloromethane		0.80	10	0.4	*U*
74-95-3	Dibromomethane		0.60	10		*U*
75-71-8	Dichlorodifluoromethane		0.60	10	1000	*U*
100-41-4	Ethylbenzene		0.80	10	600	*U*
87-68-3	Hexachlorobutadiene		0.60	10	0.4	*U*
108-20-3	Isopropyl Ether		0.80	10	70	*U*
98-82-8	Isopropylbenzene		1.0	10	70	*U*
179601-23-1	m,p-Xylene		1.6	20		*U*
1634-04-4	Methyl tert-butyl ether	13	0.60	10	20	*D*
75-09-2	Methylene chloride	5.4	0.40	10		*JD*
91-20-3	Naphthalene		3.0	10	6	*U*
104-51-8	n-Butylbenzene		0.40	10	70	*U*
103-65-1	n-Propylbenzene		0.60	10	70	*U*
95-47-6	o-Xylene		0.60	10		*U*
99-87-6	p-Isopropyltoluene		0.60	10		*U*
135-98-8	sec-Butylbenzene		0.40	10	70	*U*
100-42-5	Styrene		0.40	10	70	*U*
98-06-6	tert-Butylbenzene		0.60	10	70	*U*
127-18-4	Tetrachloroethene	28	1.2	10	0.7	*D*
108-88-3	Toluene	0.86	0.60	10	600	*JD*
156-60-5	trans-1,2-Dichloroethene		1.0	10	100	*U*
10061-02-6	trans-1,3-Dichloropropene		1.0	10		*U*
79-01-6	Trichloroethene	30	0.60	10	3	*D*
75-69-4	Trichlorofluoromethane		1.2	10	2000	*U*

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SW 8260B

IW-40B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0191.d Sampled: 11/07/14 12:45

Initial/Final: 25mL / 25mL Lab ID: 1411023-01 Received: 11/07/14 15:45

Dilution: 20.08 pH: 9 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/11/14 00:27

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		1.2	10		*U*
75-01-4	Vinyl chloride	93	1.4	10	0.03	*D*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.211	104	65 - 150	
1,2-Dichloroethane-d4	5.000	5.557	111	59 - 150	
Toluene-d8	5.000	4.279	86	61 - 145	
Bromofluorobenzene	5.000	4.508	90	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

IW-42B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0391.d Sampled: 11/07/14 10:45

Initial/Final: 25mL / 25mL Lab ID: 1411023-03 Received: 11/07/14 15:45

Dilution: 41.67 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/11/14 01:26

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.83	21		*U*
71-55-6	1,1,1-Trichloroethane	25	0.83	21	200	*D*
79-34-5	1,1,2,2-Tetrachloroethane		2.1	21	0.2	*U*
79-00-5	1,1,2-Trichloroethane		1.7	21		*U*
75-34-3	1,1-Dichloroethane	51	0.83	21	6	*D*
75-35-4	1,1-Dichloroethene	82	1.7	21	3501	*D*
563-58-6	1,1-Dichloropropene		1.3	21		*U*
87-61-6	1,2,3-Trichlorobenzene		2.5	21		*U*
96-18-4	1,2,3-Trichloropropane		3.8	21	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		2.5	21	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.83	21	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		10	21	0.04	*U*
106-93-4	1,2-Dibromoethane		1.7	21	0.02	*U*
95-50-1	1,2-Dichlorobenzene		1.3	21	20	*U*
107-06-2	1,2-Dichloroethane		1.3	21	0.4	*U*
78-87-5	1,2-Dichloropropane		5.0	21	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		1.3	21	400	*U*
541-73-1	1,3-Dichlorobenzene		1.7	21	200	*U*
142-28-9	1,3-Dichloropropane		1.3	21		*U*
106-46-7	1,4-Dichlorobenzene		1.3	21	6	*U*
594-20-7	2,2-Dichloropropane		1.3	21		*U*
78-93-3	2-Butanone		12	100	4000	*U*
110-75-8	2-Chloroethylvinyl ether		7.9	42		*U*
95-49-8	2-Chlorotoluene		1.7	21	100	*U*
591-78-6	2-Hexanone		21	100		*U*
106-43-4	4-Chlorotoluene		1.7	21		*U*
108-10-1	4-Methyl-2-pentanone		18	100		*U*
67-64-1	Acetone	150	18	100		*D*
107-02-8	Acrolein		43	210		*U*
107-13-1	Acrylonitrile		15	210		*U*
71-43-2	Benzene		1.3	21	1	*U*
108-86-1	Bromobenzene		1.7	21		*U*
74-97-5	Bromochloromethane		1.7	21		*U*
75-27-4	Bromodichloromethane		1.3	21	0.6	*U*

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SW 8260B

IW-42B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0391.d Sampled: 11/07/14 10:45

Initial/Final: 25mL / 25mL Lab ID: 1411023-03 Received: 11/07/14 15:45

Dilution: 41.67 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/11/14 01:26

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		1.3	21	4	*U*
74-83-9	Bromomethane		4.6	21		*U*
75-15-0	Carbon disulfide	1.4	0.83	21	700	*JBD*
56-23-5	Carbon tetrachloride		1.3	21	0.3	*U*
108-90-7	Chlorobenzene		0.83	21	50	*U*
75-00-3	Chloroethane	17	8.3	21	3000	*JD*
67-66-3	Chloroform	6.8	1.3	21	70	*JD*
74-87-3	Chloromethane		4.6	21	3	*U*
156-59-2	cis-1,2-Dichloroethene	1100	1.3	21	70	*D*
10061-01-5	cis-1,3-Dichloropropene		1.7	21	0.4	*U*
124-48-1	Dibromochloromethane		1.7	21	0.4	*U*
74-95-3	Dibromomethane		1.3	21		*U*
75-71-8	Dichlorodifluoromethane		1.3	21	1000	*U*
100-41-4	Ethylbenzene		1.7	21	600	*U*
87-68-3	Hexachlorobutadiene		1.3	21	0.4	*U*
108-20-3	Isopropyl Ether		1.7	21	70	*U*
98-82-8	Isopropylbenzene		2.1	21	70	*U*
179601-23-1	m,p-Xylene		3.3	42		*U*
1634-04-4	Methyl tert-butyl ether		1.3	21	20	*U*
75-09-2	Methylene chloride	4.7	0.83	21		*JD*
91-20-3	Naphthalene		6.3	21	6	*U*
104-51-8	n-Butylbenzene		0.83	21	70	*U*
103-65-1	n-Propylbenzene		1.3	21	70	*U*
95-47-6	o-Xylene		1.3	21		*U*
99-87-6	p-Isopropyltoluene		1.3	21		*U*
135-98-8	sec-Butylbenzene		0.83	21	70	*U*
100-42-5	Styrene		0.83	21	70	*U*
98-06-6	tert-Butylbenzene		1.3	21	70	*U*
127-18-4	Tetrachloroethene	3.5	2.5	21	0.7	*JD*
108-88-3	Toluene	1.8	1.3	21	600	*JD*
156-60-5	trans-1,2-Dichloroethene	6.2	2.1	21	100	*JD*
10061-02-6	trans-1,3-Dichloropropene		2.1	21		*U*
79-01-6	Trichloroethene	30	1.3	21	3	*D*
75-69-4	Trichlorofluoromethane		2.5	21	2000	*U*

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SW 8260B

IW-42B

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0391.d Sampled: 11/07/14 10:45

Initial/Final: 25mL / 25mL Lab ID: 1411023-03 Received: 11/07/14 15:45

Dilution: 41.67 pH: 7 Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/11/14 01:26

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		2.5	21		*U*
75-01-4	Vinyl chloride	1400	2.9	21	0.03	*D*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.396	108	65 - 150	
1,2-Dichloroethane-d4	5.000	5.399	108	59 - 150	
Toluene-d8	5.000	4.147	83	61 - 145	
Bromofluorobenzene	5.000	4.407	88	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

IW-60A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0491.d Sampled: 11/07/14 12:30

Initial/Final: 25mL / 25mL Lab ID: 1411023-04 Received: 11/07/14 15:45

Dilution: 1 pH: 8 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 20:43

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		*U*
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.040	0.50		*U*
75-34-3	1,1-Dichloroethane	3.8	0.020	0.50	6	
75-35-4	1,1-Dichloroethene	7.7	0.040	0.50	3501	
563-58-6	1,1-Dichloropropene		0.030	0.50		*U*
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		*U*
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	*U*
95-63-6	1,2,4-Trimethylbenzene	0.063	0.020	0.50	400	*J*
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	*U*
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	*U*
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	*U*
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	*U*
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	*U*
142-28-9	1,3-Dichloropropane		0.030	0.50		*U*
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	*U*
594-20-7	2,2-Dichloropropane		0.030	0.50		*U*
78-93-3	2-Butanone		0.28	2.5	4000	*U*
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		*U*
95-49-8	2-Chlorotoluene		0.040	0.50	100	*U*
591-78-6	2-Hexanone		0.51	2.5		*U*
106-43-4	4-Chlorotoluene		0.040	0.50		*U*
108-10-1	4-Methyl-2-pentanone		0.42	2.5		*U*
67-64-1	Acetone	100	0.44	2.5		*B*
107-02-8	Acrolein		1.0	5.0		*U*
107-13-1	Acrylonitrile		0.36	5.0		*U*
71-43-2	Benzene	0.45	0.030	0.50	1	*J*
108-86-1	Bromobenzene		0.040	0.50		*U*
74-97-5	Bromochloromethane		0.040	0.50		*U*
75-27-4	Bromodichloromethane		0.030	0.50	0.6	*U*

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ANALYSIS DATA SHEET

SW 8260B

IW-60A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0491.d Sampled: 11/07/14 12:30

Initial/Final: 25mL / 25mL Lab ID: 1411023-04 Received: 11/07/14 15:45

Dilution: 1 pH: 8 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 20:43

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide	5.5	0.020	0.50	700	
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform	0.15	0.030	0.50	70	*J*
74-87-3	Chloromethane		0.11	0.50	3	*U*
156-59-2	cis-1,2-Dichloroethene	11	0.030	0.50	70	
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether	0.92	0.030	0.50	20	
75-09-2	Methylene chloride	2.4	0.020	0.50		
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene	6.0	0.060	0.50	0.7	
108-88-3	Toluene	0.11	0.030	0.50	600	*J*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene	1.8	0.030	0.50	3	
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

IW-60A

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0491.d Sampled: 11/07/14 12:30

Initial/Final: 25mL / 25mL Lab ID: 1411023-04 Received: 11/07/14 15:45

Dilution: 1 pH: 8 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 20:43

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride	5.4	0.070	0.50	0.03	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.958	119	65 - 150	
1,2-Dichloroethane-d4	5.000	6.042	121	59 - 150	
Toluene-d8	5.000	4.394	88	61 - 145	
Bromofluorobenzene	5.000	4.507	90	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

TB-4

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0591.d Sampled: 11/07/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411023-05 Received: 11/07/14 15:45

Dilution: 1 pH: 6 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 21:12

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50		*U*
71-55-6	1,1,1-Trichloroethane		0.020	0.50	200	*U*
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	0.2	*U*
79-00-5	1,1,2-Trichloroethane		0.040	0.50		*U*
75-34-3	1,1-Dichloroethane		0.020	0.50	6	*U*
75-35-4	1,1-Dichloroethene		0.040	0.50	3501	*U*
563-58-6	1,1-Dichloropropene		0.030	0.50		*U*
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50		*U*
96-18-4	1,2,3-Trichloropropane		0.090	0.50	0.005	*U*
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	70	*U*
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	400	*U*
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	0.04	*U*
106-93-4	1,2-Dibromoethane		0.040	0.50	0.02	*U*
95-50-1	1,2-Dichlorobenzene		0.030	0.50	20	*U*
107-06-2	1,2-Dichloroethane		0.030	0.50	0.4	*U*
78-87-5	1,2-Dichloropropane		0.12	0.50	0.6	*U*
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	400	*U*
541-73-1	1,3-Dichlorobenzene		0.040	0.50	200	*U*
142-28-9	1,3-Dichloropropane		0.030	0.50		*U*
106-46-7	1,4-Dichlorobenzene		0.030	0.50	6	*U*
594-20-7	2,2-Dichloropropane		0.030	0.50		*U*
78-93-3	2-Butanone		0.28	2.5	4000	*U*
110-75-8	2-Chloroethylvinyl ether		0.19	1.0		*U*
95-49-8	2-Chlorotoluene		0.040	0.50	100	*U*
591-78-6	2-Hexanone		0.51	2.5		*U*
106-43-4	4-Chlorotoluene		0.040	0.50		*U*
108-10-1	4-Methyl-2-pentanone		0.42	2.5		*U*
67-64-1	Acetone	3.8	0.44	2.5		*B*
107-02-8	Acrolein		1.0	5.0		*U*
107-13-1	Acrylonitrile		0.36	5.0		*U*
71-43-2	Benzene		0.030	0.50	1	*U*
108-86-1	Bromobenzene		0.040	0.50		*U*
74-97-5	Bromochloromethane		0.040	0.50		*U*
75-27-4	Bromodichloromethane		0.030	0.50	0.6	*U*

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SW 8260B

TB-4

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0591.d Sampled: 11/07/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411023-05 Received: 11/07/14 15:45

Dilution: 1 pH: 6 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 21:12

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
75-25-2	Bromoform		0.030	0.50	4	*U*
74-83-9	Bromomethane		0.11	0.50		*U*
75-15-0	Carbon disulfide		0.020	0.50	700	*U*
56-23-5	Carbon tetrachloride		0.030	0.50	0.3	*U*
108-90-7	Chlorobenzene		0.020	0.50	50	*U*
75-00-3	Chloroethane		0.20	0.50	3000	*U*
67-66-3	Chloroform		0.030	0.50	70	*U*
74-87-3	Chloromethane		0.11	0.50	3	*U*
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	70	*U*
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	0.4	*U*
124-48-1	Dibromochloromethane		0.040	0.50	0.4	*U*
74-95-3	Dibromomethane		0.030	0.50		*U*
75-71-8	Dichlorodifluoromethane		0.030	0.50	1000	*U*
100-41-4	Ethylbenzene		0.040	0.50	600	*U*
87-68-3	Hexachlorobutadiene		0.030	0.50	0.4	*U*
108-20-3	Isopropyl Ether		0.040	0.50	70	*U*
98-82-8	Isopropylbenzene		0.050	0.50	70	*U*
179601-23-1	m,p-Xylene		0.080	1.0		*U*
1634-04-4	Methyl tert-butyl ether		0.030	0.50	20	*U*
75-09-2	Methylene chloride		0.020	0.50		*U*
91-20-3	Naphthalene		0.15	0.50	6	*U*
104-51-8	n-Butylbenzene		0.020	0.50	70	*U*
103-65-1	n-Propylbenzene		0.030	0.50	70	*U*
95-47-6	o-Xylene		0.030	0.50		*U*
99-87-6	p-Isopropyltoluene		0.030	0.50		*U*
135-98-8	sec-Butylbenzene		0.020	0.50	70	*U*
100-42-5	Styrene		0.020	0.50	70	*U*
98-06-6	tert-Butylbenzene		0.030	0.50	70	*U*
127-18-4	Tetrachloroethene		0.060	0.50	0.7	*U*
108-88-3	Toluene		0.030	0.50	600	*U*
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	100	*U*
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50		*U*
79-01-6	Trichloroethene		0.030	0.50	3	*U*
75-69-4	Trichlorofluoromethane		0.060	0.50	2000	*U*

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SW 8260B

TB-4

Client: SOLUTIONS-IES, INC. SDG 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Preparation: EPA 5030B File ID: 1411023-0591.d Sampled: 11/07/14 00:00

Initial/Final: 25mL / 25mL Lab ID: 1411023-05 Received: 11/07/14 15:45

Dilution: 1 pH: 6 Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 21:12

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	NC2L	Q
108-05-4	Vinyl acetate		0.060	0.50		*U*
75-01-4	Vinyl chloride		0.070	0.50	0.03	*U*

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	5.477	110	65 - 150	
1,2-Dichloroethane-d4	5.000	5.506	110	59 - 150	
Toluene-d8	5.000	4.255	85	61 - 145	
Bromofluorobenzene	5.000	4.463	89	63 - 143	

NC2L - 15A NCAC 02L .0202

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SW 8260B

VBLKIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111020-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:14

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50	U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50	U
75-34-3	1,1-Dichloroethane		0.020	0.50	U
75-35-4	1,1-Dichloroethene		0.040	0.50	U
563-58-6	1,1-Dichloropropene		0.030	0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50	U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	U
106-93-4	1,2-Dibromoethane		0.040	0.50	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	U
107-06-2	1,2-Dichloroethane		0.030	0.50	U
78-87-5	1,2-Dichloropropane		0.12	0.50	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	U
142-28-9	1,3-Dichloropropane		0.030	0.50	U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	U
594-20-7	2,2-Dichloropropane		0.030	0.50	U
78-93-3	2-Butanone		0.28	2.5	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0	U
95-49-8	2-Chlorotoluene		0.040	0.50	U
591-78-6	2-Hexanone		0.51	2.5	U
106-43-4	4-Chlorotoluene		0.040	0.50	U
108-10-1	4-Methyl-2-pentanone		0.42	2.5	U
67-64-1	Acetone		0.44	2.5	U
107-02-8	Acrolein		1.0	5.0	U
107-13-1	Acrylonitrile		0.36	5.0	U
71-43-2	Benzene		0.030	0.50	U
108-86-1	Bromobenzene		0.040	0.50	U
74-97-5	Bromochloromethane		0.040	0.50	U
75-27-4	Bromodichloromethane		0.030	0.50	U

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SW 8260B

VBLKIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111020-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:14

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform		0.030	0.50	U
74-83-9	Bromomethane		0.11	0.50	U
75-15-0	Carbon disulfide	0.022	0.020	0.50	J
56-23-5	Carbon tetrachloride		0.030	0.50	U
108-90-7	Chlorobenzene		0.020	0.50	U
75-00-3	Chloroethane		0.20	0.50	U
67-66-3	Chloroform		0.030	0.50	U
74-87-3	Chloromethane		0.11	0.50	U
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	U
124-48-1	Dibromochloromethane		0.040	0.50	U
74-95-3	Dibromomethane		0.030	0.50	U
75-71-8	Dichlorodifluoromethane		0.030	0.50	U
100-41-4	Ethylbenzene		0.040	0.50	U
87-68-3	Hexachlorobutadiene		0.030	0.50	U
108-20-3	Isopropyl Ether		0.040	0.50	U
98-82-8	Isopropylbenzene		0.050	0.50	U
179601-23-1	m,p-Xylene		0.080	1.0	U
1634-04-4	Methyl tert-butyl ether		0.030	0.50	U
75-09-2	Methylene chloride		0.020	0.50	U
91-20-3	Naphthalene		0.15	0.50	U
104-51-8	n-Butylbenzene		0.020	0.50	U
103-65-1	n-Propylbenzene		0.030	0.50	U
95-47-6	o-Xylene		0.030	0.50	U
99-87-6	p-Isopropyltoluene		0.030	0.50	U
135-98-8	sec-Butylbenzene		0.020	0.50	U
100-42-5	Styrene		0.020	0.50	U
98-06-6	tert-Butylbenzene		0.030	0.50	U
127-18-4	Tetrachloroethene		0.060	0.50	U
108-88-3	Toluene		0.030	0.50	U
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50	U
79-01-6	Trichloroethene		0.030	0.50	U
75-69-4	Trichlorofluoromethane		0.060	0.50	U

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SW 8260B

VBLKIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111020-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:14

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate		0.060	0.50	U
75-01-4	Vinyl chloride		0.070	0.50	U

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.895	98	65 - 150	
1,2-Dichloroethane-d4	5.000	4.837	97	59 - 150	
Toluene-d8	5.000	4.627	93	61 - 145	
Bromofluorobenzene	5.000	4.690	94	63 - 143	

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ANALYSIS DATA SHEET

SW 8260B

VBLKIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111104-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 15:31

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane		0.020	0.50	U
71-55-6	1,1,1-Trichloroethane		0.020	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.050	0.50	U
79-00-5	1,1,2-Trichloroethane		0.040	0.50	U
75-34-3	1,1-Dichloroethane		0.020	0.50	U
75-35-4	1,1-Dichloroethene		0.040	0.50	U
563-58-6	1,1-Dichloropropene		0.030	0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.060	0.50	U
96-18-4	1,2,3-Trichloropropane		0.090	0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.060	0.50	U
95-63-6	1,2,4-Trimethylbenzene		0.020	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.25	0.50	U
106-93-4	1,2-Dibromoethane		0.040	0.50	U
95-50-1	1,2-Dichlorobenzene		0.030	0.50	U
107-06-2	1,2-Dichloroethane		0.030	0.50	U
78-87-5	1,2-Dichloropropane		0.12	0.50	U
108-67-8	1,3,5-Trimethylbenzene		0.030	0.50	U
541-73-1	1,3-Dichlorobenzene		0.040	0.50	U
142-28-9	1,3-Dichloropropane		0.030	0.50	U
106-46-7	1,4-Dichlorobenzene		0.030	0.50	U
594-20-7	2,2-Dichloropropane		0.030	0.50	U
78-93-3	2-Butanone		0.28	2.5	U
110-75-8	2-Chloroethylvinyl ether		0.19	1.0	U
95-49-8	2-Chlorotoluene		0.040	0.50	U
591-78-6	2-Hexanone		0.51	2.5	U
106-43-4	4-Chlorotoluene		0.040	0.50	U
108-10-1	4-Methyl-2-pentanone		0.42	2.5	U
67-64-1	Acetone	1.7	0.44	2.5	J
107-02-8	Acrolein		1.0	5.0	U
107-13-1	Acrylonitrile		0.36	5.0	U
71-43-2	Benzene		0.030	0.50	U
108-86-1	Bromobenzene		0.040	0.50	U
74-97-5	Bromochloromethane		0.040	0.50	U
75-27-4	Bromodichloromethane		0.030	0.50	U

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ANALYSIS DATA SHEET

SW 8260B

VBLKIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111104-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 15:31

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform		0.030	0.50	U
74-83-9	Bromomethane		0.11	0.50	U
75-15-0	Carbon disulfide		0.020	0.50	U
56-23-5	Carbon tetrachloride		0.030	0.50	U
108-90-7	Chlorobenzene		0.020	0.50	U
75-00-3	Chloroethane		0.20	0.50	U
67-66-3	Chloroform		0.030	0.50	U
74-87-3	Chloromethane		0.11	0.50	U
156-59-2	cis-1,2-Dichloroethene		0.030	0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.040	0.50	U
124-48-1	Dibromochloromethane		0.040	0.50	U
74-95-3	Dibromomethane		0.030	0.50	U
75-71-8	Dichlorodifluoromethane		0.030	0.50	U
100-41-4	Ethylbenzene		0.040	0.50	U
87-68-3	Hexachlorobutadiene		0.030	0.50	U
108-20-3	Isopropyl Ether		0.040	0.50	U
98-82-8	Isopropylbenzene		0.050	0.50	U
179601-23-1	m,p-Xylene		0.080	1.0	U
1634-04-4	Methyl tert-butyl ether		0.030	0.50	U
75-09-2	Methylene chloride		0.020	0.50	U
91-20-3	Naphthalene		0.15	0.50	U
104-51-8	n-Butylbenzene		0.020	0.50	U
103-65-1	n-Propylbenzene		0.030	0.50	U
95-47-6	o-Xylene		0.030	0.50	U
99-87-6	p-Isopropyltoluene		0.030	0.50	U
135-98-8	sec-Butylbenzene		0.020	0.50	U
100-42-5	Styrene		0.020	0.50	U
98-06-6	tert-Butylbenzene		0.030	0.50	U
127-18-4	Tetrachloroethene		0.060	0.50	U
108-88-3	Toluene		0.030	0.50	U
156-60-5	trans-1,2-Dichloroethene		0.050	0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.050	0.50	U
79-01-6	Trichloroethene		0.030	0.50	U
75-69-4	Trichlorofluoromethane		0.060	0.50	U

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ANALYSIS DATA SHEET

SW 8260B

VBLKIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BLK1R91.d QC Type: Blank

Initial/Final: 25mL / 25mL Lab ID: 4111104-BLK1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 15:31

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate		0.060	0.50	U
75-01-4	Vinyl chloride		0.070	0.50	U

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.828	97	65 - 150	
1,2-Dichloroethane-d4	5.000	4.901	98	59 - 150	
Toluene-d8	5.000	4.574	91	61 - 145	
Bromofluorobenzene	5.000	4.715	94	63 - 143	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111020-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:53

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.666	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	5.059	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	4.841	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.755	0.040	0.50	
75-34-3	1,1-Dichloroethane	4.984	0.020	0.50	
75-35-4	1,1-Dichloroethene	4.925	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.261	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	4.907	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	4.695	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	4.946	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.886	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	4.535	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.697	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	4.904	0.030	0.50	
107-06-2	1,2-Dichloroethane	4.953	0.030	0.50	
78-87-5	1,2-Dichloropropane	4.940	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.875	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.913	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.739	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	4.889	0.030	0.50	
594-20-7	2,2-Dichloropropane	4.970	0.030	0.50	
78-93-3	2-Butanone	24.11	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	9.019	0.19	1.0	
95-49-8	2-Chlorotoluene	4.841	0.040	0.50	
591-78-6	2-Hexanone	23.29	0.51	2.5	
106-43-4	4-Chlorotoluene	4.871	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	23.63	0.42	2.5	
67-64-1	Acetone	25.20	0.44	2.5	
107-02-8	Acrolein	41.87	1.0	5.0	
107-13-1	Acrylonitrile	49.55	0.36	5.0	
71-43-2	Benzene	5.029	0.030	0.50	
108-86-1	Bromobenzene	4.767	0.040	0.50	
74-97-5	Bromochloromethane	5.106	0.040	0.50	
75-27-4	Bromodichloromethane	5.001	0.030	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111020-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:53

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.659	0.030	0.50	
74-83-9	Bromomethane	4.892	0.11	0.50	
75-15-0	Carbon disulfide	5.105	0.020	0.50	B
56-23-5	Carbon tetrachloride	4.947	0.030	0.50	
108-90-7	Chlorobenzene	4.783	0.020	0.50	
75-00-3	Chloroethane	5.023	0.20	0.50	
67-66-3	Chloroform	5.097	0.030	0.50	
74-87-3	Chloromethane	4.930	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	5.026	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.854	0.040	0.50	
124-48-1	Dibromochloromethane	4.749	0.040	0.50	
74-95-3	Dibromomethane	4.971	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.397	0.030	0.50	
100-41-4	Ethylbenzene	4.690	0.040	0.50	
87-68-3	Hexachlorobutadiene	5.056	0.030	0.50	
108-20-3	Isopropyl Ether	4.751	0.040	0.50	
98-82-8	Isopropylbenzene	4.788	0.050	0.50	
179601-23-1	m,p-Xylene	9.422	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.683	0.030	0.50	
75-09-2	Methylene chloride	4.775	0.020	0.50	
91-20-3	Naphthalene	4.582	0.15	0.50	
104-51-8	n-Butylbenzene	4.983	0.020	0.50	
103-65-1	n-Propylbenzene	4.929	0.030	0.50	
95-47-6	o-Xylene	4.717	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.888	0.030	0.50	
135-98-8	sec-Butylbenzene	4.918	0.020	0.50	
100-42-5	Styrene	4.575	0.020	0.50	
98-06-6	tert-Butylbenzene	4.777	0.030	0.50	
127-18-4	Tetrachloroethene	4.870	0.060	0.50	
108-88-3	Toluene	4.785	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	5.077	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	4.853	0.050	0.50	
79-01-6	Trichloroethene	4.834	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.258	0.060	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111020-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 15:53

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.708	0.060	0.50	
75-01-4	Vinyl chloride	4.870	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.847	97	65 - 150	
1,2-Dichloroethane-d4	5.000	4.827	97	59 - 150	
Toluene-d8	5.000	4.710	94	61 - 145	
Bromofluorobenzene	5.000	4.965	99	63 - 143	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111020-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 16:23

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.739	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	5.114	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	5.116	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.979	0.040	0.50	
75-34-3	1,1-Dichloroethane	5.000	0.020	0.50	
75-35-4	1,1-Dichloroethene	5.042	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.297	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	5.107	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	5.011	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	5.033	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.856	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	5.061	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.960	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	5.002	0.030	0.50	
107-06-2	1,2-Dichloroethane	5.097	0.030	0.50	
78-87-5	1,2-Dichloropropane	5.034	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.839	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.920	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.936	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	5.046	0.030	0.50	
594-20-7	2,2-Dichloropropane	4.878	0.030	0.50	
78-93-3	2-Butanone	26.02	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	9.367	0.19	1.0	
95-49-8	2-Chlorotoluene	4.835	0.040	0.50	
591-78-6	2-Hexanone	24.93	0.51	2.5	
106-43-4	4-Chlorotoluene	4.939	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	25.13	0.42	2.5	
67-64-1	Acetone	28.34	0.44	2.5	
107-02-8	Acrolein	45.16	1.0	5.0	
107-13-1	Acrylonitrile	53.23	0.36	5.0	
71-43-2	Benzene	5.049	0.030	0.50	
108-86-1	Bromobenzene	4.896	0.040	0.50	
74-97-5	Bromochloromethane	5.085	0.040	0.50	
75-27-4	Bromodichloromethane	5.058	0.030	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111020-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 16:23

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.787	0.030	0.50	
74-83-9	Bromomethane	4.747	0.11	0.50	
75-15-0	Carbon disulfide	5.146	0.020	0.50	B
56-23-5	Carbon tetrachloride	4.925	0.030	0.50	
108-90-7	Chlorobenzene	4.877	0.020	0.50	
75-00-3	Chloroethane	4.995	0.20	0.50	
67-66-3	Chloroform	5.143	0.030	0.50	
74-87-3	Chloromethane	4.736	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	5.080	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.816	0.040	0.50	
124-48-1	Dibromochloromethane	4.934	0.040	0.50	
74-95-3	Dibromomethane	5.096	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.355	0.030	0.50	
100-41-4	Ethylbenzene	4.726	0.040	0.50	
87-68-3	Hexachlorobutadiene	4.868	0.030	0.50	
108-20-3	Isopropyl Ether	4.771	0.040	0.50	
98-82-8	Isopropylbenzene	4.791	0.050	0.50	
179601-23-1	m,p-Xylene	9.527	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.819	0.030	0.50	
75-09-2	Methylene chloride	4.881	0.020	0.50	
91-20-3	Naphthalene	4.903	0.15	0.50	
104-51-8	n-Butylbenzene	4.799	0.020	0.50	
103-65-1	n-Propylbenzene	4.856	0.030	0.50	
95-47-6	o-Xylene	4.762	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.772	0.030	0.50	
135-98-8	sec-Butylbenzene	4.794	0.020	0.50	
100-42-5	Styrene	4.648	0.020	0.50	
98-06-6	tert-Butylbenzene	4.737	0.030	0.50	
127-18-4	Tetrachloroethene	4.878	0.060	0.50	
108-88-3	Toluene	4.877	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	5.157	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	5.091	0.050	0.50	
79-01-6	Trichloroethene	4.889	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.208	0.060	0.50	

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIP

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111020-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111020-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/10/14 15:14

% Moisture: NA Analyzed: 11/10/14 16:23

Batch: 4111020 Sequence: 4K10004 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.852	0.060	0.50	
75-01-4	Vinyl chloride	4.989	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.813	96	65 - 150	
1,2-Dichloroethane-d4	5.000	4.901	98	59 - 150	
Toluene-d8	5.000	4.661	93	61 - 145	
Bromofluorobenzene	5.000	4.919	98	63 - 143	

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ANALYSIS DATA SHEET

SW 8260B

VLCSIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111104-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 16:10

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.662	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	4.977	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	4.668	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.526	0.040	0.50	
75-34-3	1,1-Dichloroethane	5.051	0.020	0.50	
75-35-4	1,1-Dichloroethene	5.398	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.165	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	4.624	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	4.399	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	4.712	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.837	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	4.391	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.598	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	4.811	0.030	0.50	
107-06-2	1,2-Dichloroethane	4.876	0.030	0.50	
78-87-5	1,2-Dichloropropane	4.979	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.889	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.908	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.589	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	4.834	0.030	0.50	
594-20-7	2,2-Dichloropropane	3.146	0.030	0.50	
78-93-3	2-Butanone	21.10	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	7.495	0.19	1.0	
95-49-8	2-Chlorotoluene	4.865	0.040	0.50	
591-78-6	2-Hexanone	21.05	0.51	2.5	
106-43-4	4-Chlorotoluene	4.867	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	21.42	0.42	2.5	
67-64-1	Acetone	26.15	0.44	2.5	B
107-02-8	Acrolein	37.65	1.0	5.0	
107-13-1	Acrylonitrile	44.89	0.36	5.0	
71-43-2	Benzene	5.064	0.030	0.50	
108-86-1	Bromobenzene	4.685	0.040	0.50	
74-97-5	Bromochloromethane	4.962	0.040	0.50	
75-27-4	Bromodichloromethane	4.867	0.030	0.50	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

SW 8260B

VLCSIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111104-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 16:10

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.339	0.030	0.50	
74-83-9	Bromomethane	5.153	0.11	0.50	
75-15-0	Carbon disulfide	5.076	0.020	0.50	
56-23-5	Carbon tetrachloride	4.783	0.030	0.50	
108-90-7	Chlorobenzene	4.837	0.020	0.50	
75-00-3	Chloroethane	5.466	0.20	0.50	
67-66-3	Chloroform	5.103	0.030	0.50	
74-87-3	Chloromethane	5.225	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	4.992	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.263	0.040	0.50	
124-48-1	Dibromochloromethane	4.559	0.040	0.50	
74-95-3	Dibromomethane	4.711	0.030	0.50	
75-71-8	Dichlorodifluoromethane	5.102	0.030	0.50	
100-41-4	Ethylbenzene	4.759	0.040	0.50	
87-68-3	Hexachlorobutadiene	4.624	0.030	0.50	
108-20-3	Isopropyl Ether	4.541	0.040	0.50	
98-82-8	Isopropylbenzene	4.779	0.050	0.50	
179601-23-1	m,p-Xylene	9.495	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.435	0.030	0.50	
75-09-2	Methylene chloride	4.749	0.020	0.50	
91-20-3	Naphthalene	4.298	0.15	0.50	
104-51-8	n-Butylbenzene	4.738	0.020	0.50	
103-65-1	n-Propylbenzene	4.897	0.030	0.50	
95-47-6	o-Xylene	4.759	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.758	0.030	0.50	
135-98-8	sec-Butylbenzene	4.823	0.020	0.50	
100-42-5	Styrene	4.507	0.020	0.50	
98-06-6	tert-Butylbenzene	4.753	0.030	0.50	
127-18-4	Tetrachloroethene	4.733	0.060	0.50	
108-88-3	Toluene	4.875	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	5.106	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	4.248	0.050	0.50	
79-01-6	Trichloroethene	4.818	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.442	0.060	0.50	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

SW 8260B

VLCSIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BS191.d QC Type: LCS

Initial/Final: 25mL / 25mL Lab ID: 4111104-BS1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 16:10

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	3.140	0.060	0.50	
75-01-4	Vinyl chloride	5.409	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.882	98	65 - 150	
1,2-Dichloroethane-d4	5.000	4.766	95	59 - 150	
Toluene-d8	5.000	4.818	96	61 - 145	
Bromofluorobenzene	5.000	4.982	100	63 - 143	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111104-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 16:40

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
630-20-6	1,1,1,2-Tetrachloroethane	4.722	0.020	0.50	
71-55-6	1,1,1-Trichloroethane	4.983	0.020	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	4.785	0.050	0.50	
79-00-5	1,1,2-Trichloroethane	4.613	0.040	0.50	
75-34-3	1,1-Dichloroethane	5.062	0.020	0.50	
75-35-4	1,1-Dichloroethene	5.440	0.040	0.50	
563-58-6	1,1-Dichloropropene	5.243	0.030	0.50	
87-61-6	1,2,3-Trichlorobenzene	4.907	0.060	0.50	
96-18-4	1,2,3-Trichloropropane	4.776	0.090	0.50	
120-82-1	1,2,4-Trichlorobenzene	4.943	0.060	0.50	
95-63-6	1,2,4-Trimethylbenzene	4.839	0.020	0.50	
96-12-8	1,2-Dibromo-3-chloropropane	4.602	0.25	0.50	
106-93-4	1,2-Dibromoethane	4.838	0.040	0.50	
95-50-1	1,2-Dichlorobenzene	4.909	0.030	0.50	
107-06-2	1,2-Dichloroethane	5.003	0.030	0.50	
78-87-5	1,2-Dichloropropane	4.997	0.12	0.50	
108-67-8	1,3,5-Trimethylbenzene	4.859	0.030	0.50	
541-73-1	1,3-Dichlorobenzene	4.895	0.040	0.50	
142-28-9	1,3-Dichloropropane	4.816	0.030	0.50	
106-46-7	1,4-Dichlorobenzene	4.968	0.030	0.50	
594-20-7	2,2-Dichloropropane	3.156	0.030	0.50	
78-93-3	2-Butanone	23.19	0.28	2.5	
110-75-8	2-Chloroethylvinyl ether	8.120	0.19	1.0	
95-49-8	2-Chlorotoluene	4.862	0.040	0.50	
591-78-6	2-Hexanone	23.19	0.51	2.5	
106-43-4	4-Chlorotoluene	4.988	0.040	0.50	
108-10-1	4-Methyl-2-pentanone	23.34	0.42	2.5	
67-64-1	Acetone	26.73	0.44	2.5	B
107-02-8	Acrolein	39.62	1.0	5.0	
107-13-1	Acrylonitrile	44.38	0.36	5.0	
71-43-2	Benzene	5.117	0.030	0.50	
108-86-1	Bromobenzene	4.890	0.040	0.50	
74-97-5	Bromochloromethane	4.953	0.040	0.50	
75-27-4	Bromodichloromethane	5.051	0.030	0.50	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

SW 8260B

VLCSDIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111104-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 16:40

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
75-25-2	Bromoform	4.539	0.030	0.50	
74-83-9	Bromomethane	5.220	0.11	0.50	
75-15-0	Carbon disulfide	5.143	0.020	0.50	
56-23-5	Carbon tetrachloride	4.832	0.030	0.50	
108-90-7	Chlorobenzene	4.931	0.020	0.50	
75-00-3	Chloroethane	5.569	0.20	0.50	
67-66-3	Chloroform	5.117	0.030	0.50	
74-87-3	Chloromethane	5.130	0.11	0.50	
156-59-2	cis-1,2-Dichloroethene	5.014	0.030	0.50	
10061-01-5	cis-1,3-Dichloropropene	4.434	0.040	0.50	
124-48-1	Dibromochloromethane	4.787	0.040	0.50	
74-95-3	Dibromomethane	4.910	0.030	0.50	
75-71-8	Dichlorodifluoromethane	4.945	0.030	0.50	
100-41-4	Ethylbenzene	4.821	0.040	0.50	
87-68-3	Hexachlorobutadiene	4.888	0.030	0.50	
108-20-3	Isopropyl Ether	4.760	0.040	0.50	
98-82-8	Isopropylbenzene	4.881	0.050	0.50	
179601-23-1	m,p-Xylene	9.649	0.080	1.0	
1634-04-4	Methyl tert-butyl ether	4.601	0.030	0.50	
75-09-2	Methylene chloride	4.819	0.020	0.50	
91-20-3	Naphthalene	4.698	0.15	0.50	
104-51-8	n-Butylbenzene	4.777	0.020	0.50	
103-65-1	n-Propylbenzene	4.893	0.030	0.50	
95-47-6	o-Xylene	4.828	0.030	0.50	
99-87-6	p-Isopropyltoluene	4.807	0.030	0.50	
135-98-8	sec-Butylbenzene	4.830	0.020	0.50	
100-42-5	Styrene	4.636	0.020	0.50	
98-06-6	tert-Butylbenzene	4.793	0.030	0.50	
127-18-4	Tetrachloroethene	4.826	0.060	0.50	
108-88-3	Toluene	4.930	0.030	0.50	
156-60-5	trans-1,2-Dichloroethene	5.132	0.050	0.50	
10061-02-6	trans-1,3-Dichloropropene	4.464	0.050	0.50	
79-01-6	Trichloroethene	4.898	0.030	0.50	
75-69-4	Trichlorofluoromethane	5.462	0.060	0.50	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

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ANALYSIS DATA SHEET

SW 8260B

VLCSDIQ

Client: SOLUTIONS-IES, INC. SDG: 1411023 Project: EATON SELMA-2013.0014/4

Matrix: Water Extraction: EPA 5030B File ID: 4111104-BSD191.d QC Type: LCS Dup

Initial/Final: 25mL / 25mL Lab ID: 4111104-BSD1 Column ID: SPB-624

Dilution: 1 pH: Prepared: 11/11/14 15:31

% Moisture: NA Analyzed: 11/11/14 16:40

Batch: 4111104 Sequence: 4K11008 Calibration: 4111003 Instrument: 5975hpms91

CAS NO.	COMPOUND	CONC.(ug/L)	MDL	RL	Q
108-05-4	Vinyl acetate	4.110	0.060	0.50	
75-01-4	Vinyl chloride	5.443	0.070	0.50	

SURROGATE RECOVERY RESULTS	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	5.000	4.833	97	65 - 150	
1,2-Dichloroethane-d4	5.000	4.798	96	59 - 150	
Toluene-d8	5.000	4.738	95	61 - 145	
Bromofluorobenzene	5.000	4.855	97	63 - 143	

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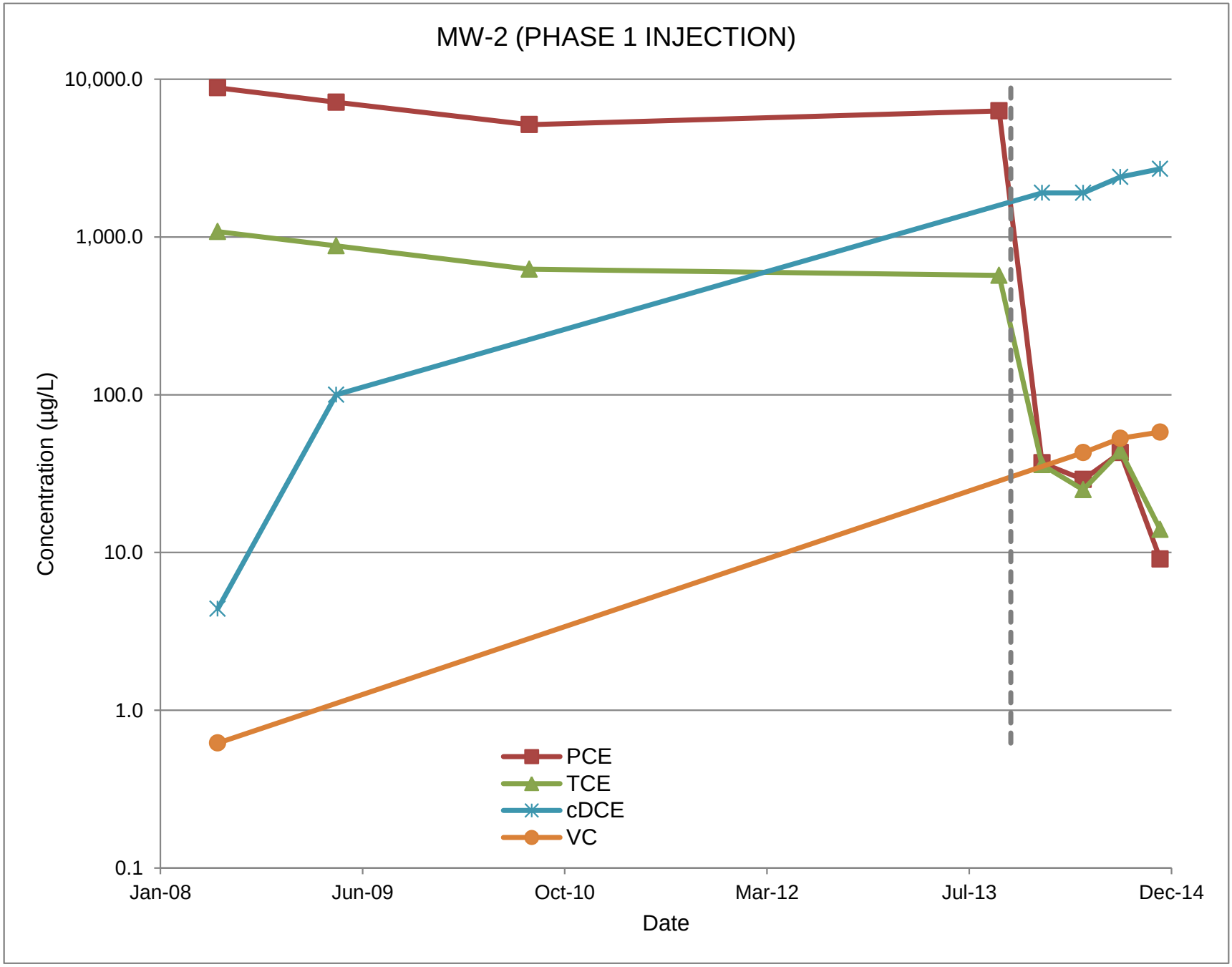
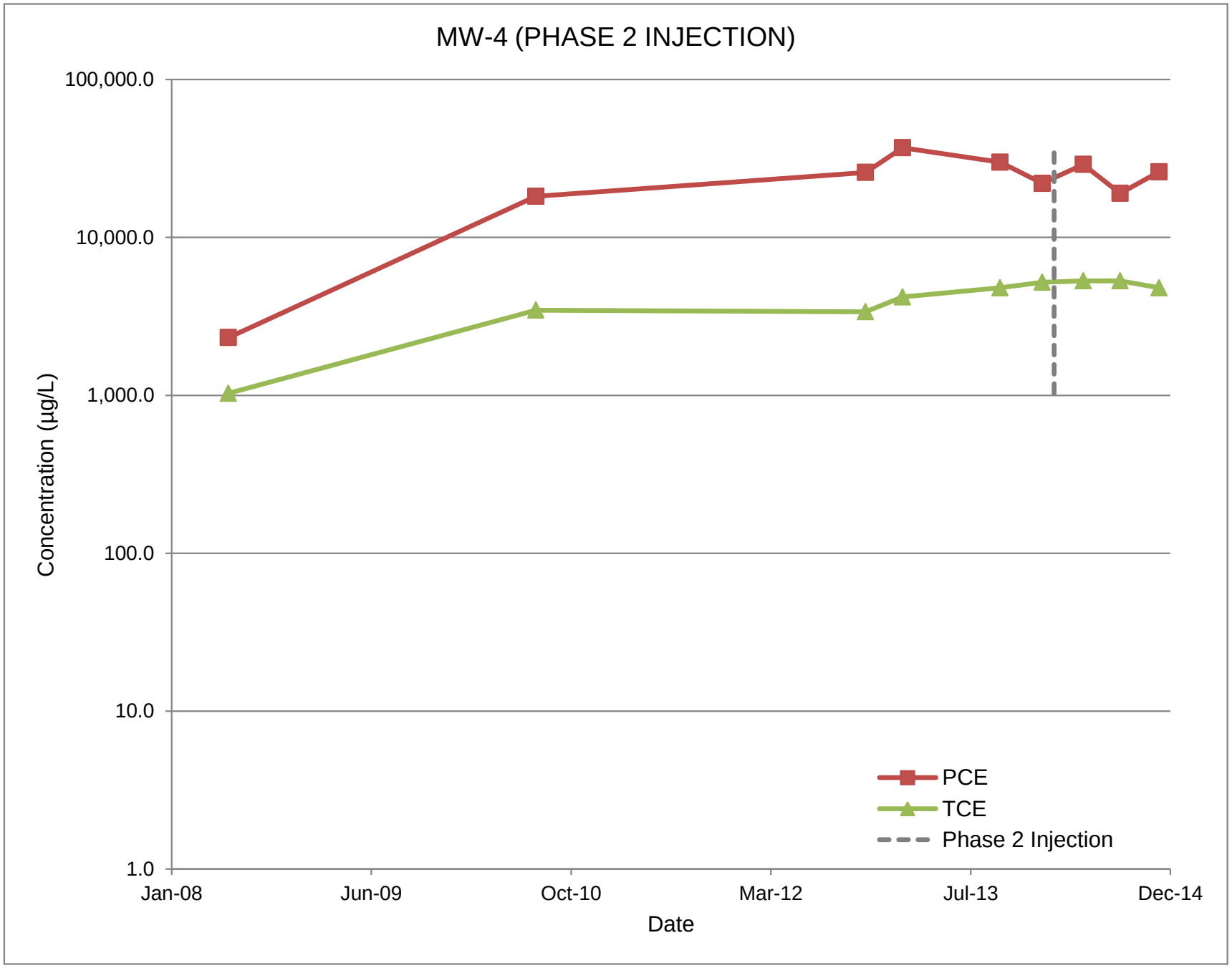
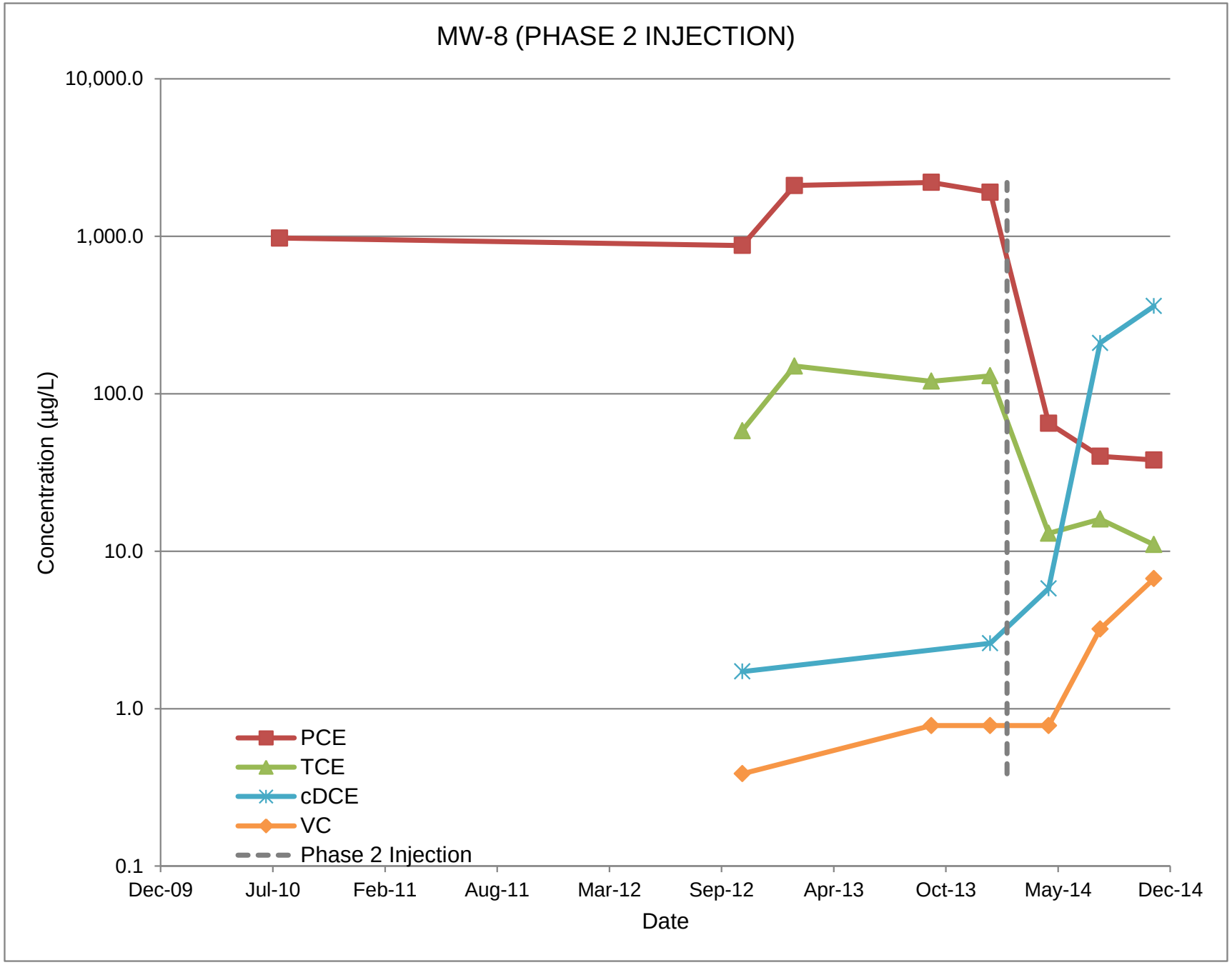
ATTACHMENT 5

CONTAMINANT CONCENTRATION GRAPHS


MW-2 (PHASE 1 INJECTION)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
Jan-08
Jun-09
Oct-10
Mar-12
Jul-13
Dec-14
Date
PCE
TCE
cDCE
VC


MW-4 (PHASE 2 INJECTION)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
Concentration (µg/L)
Jan-08
Jun-09
Oct-10
Mar-12
Jul-13
Dec-14
Date
PCE
TCE
Phase 2 Injection


MW-8 (PHASE 2 INJECTION)
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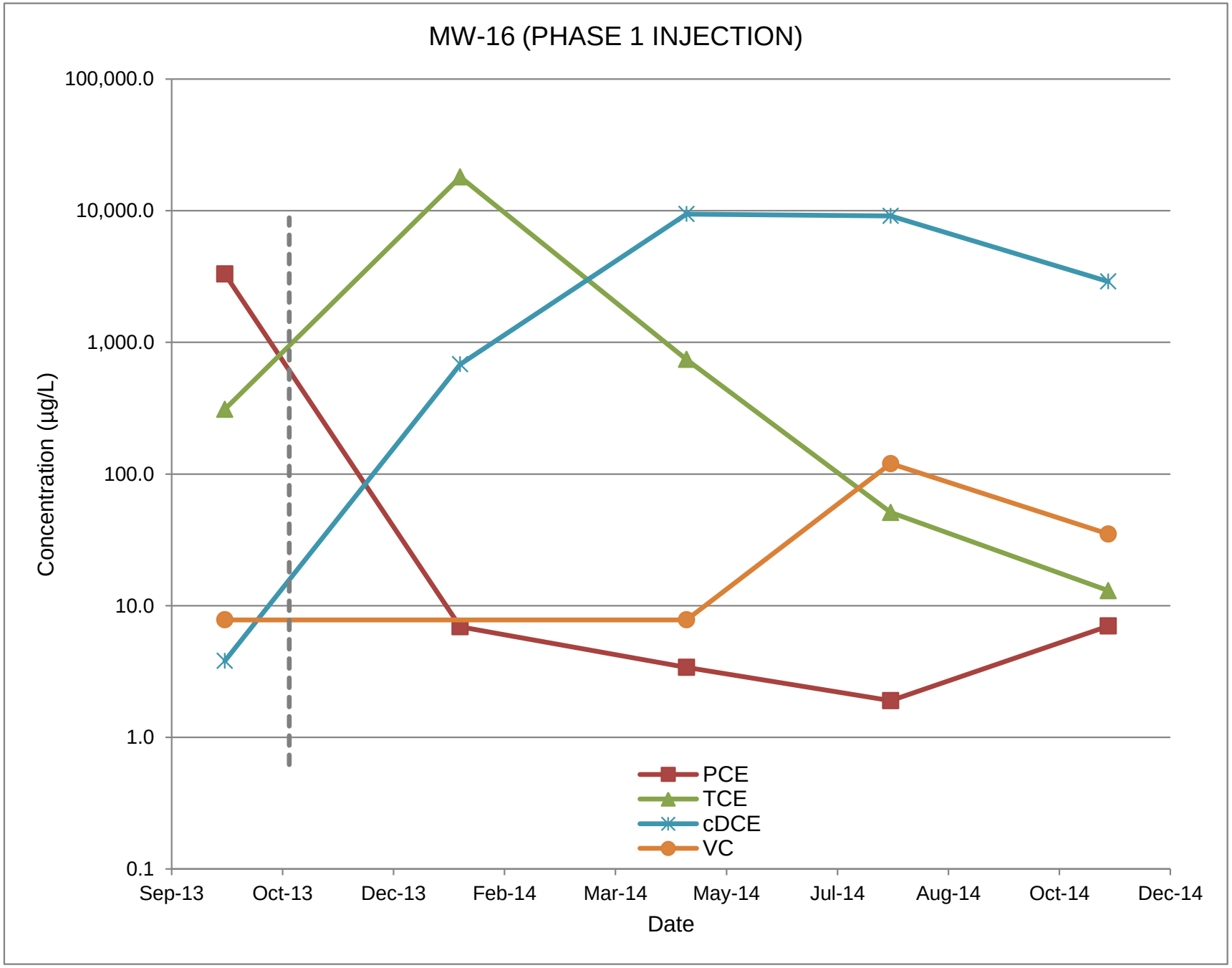
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
Dec-09
Jul-10
Feb-11
Aug-11
Mar-12
Sep-12
Apr-13
Oct-13
May-14
Dec-14
Date
PCE
TCE
cDCE
VC
Phase 2 Injection


MW-16 (PHASE 1 INJECTION)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
Sep-13
Oct-13
Dec-13
Feb-14
Mar-14
May-14
Jul-14
Aug-14
Oct-14
Dec-14
Date
PCE
TCE
cDCE
VC

ATTACHMENT 6

CERTIFICATION STATEMENTS

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2

HISB SITE NAME NONCD 0002853 Former Eaton Selma

DATE & NAME OF DOCUMENT 1/21/15 Quarterly Summary (3rd GW RA Progress Report)

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."

Jeffrey Allen
Name of Remediating Party

Signature of Remediating Party

1-23-15
Date

NOTARIZATION

Ohio (Enter State)

Summit COUNTY

I, Cathryn Block, a Notary Public of said County and State, do hereby certify that Jeffrey Allen did personally appear and sign before me this day, produced proper identification in the form of drivers license, 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 23rd day of January, 2015.

Notary Public (signature)

(OFFICIAL SEAL)

My commission expires: 11/23/15.

NOTARIAL SEAL STATE OF OHIO

CATHRYN BLOCK
NOTARY PUBLIC
FOR THE
STATE OF OHIO
My Commission Expires
November 23, 2015

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME NONCD 0002853 Former Eaton Selma
DATE & NAME OF DOCUMENT 11/21/15 Quarterly Summary (3rd GW RA 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.

M. Tony Lieberman
Name of Registered Site Manager

M. Tony Lieberman
Signature of Registered Site Manager

Date 1/23/15

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."

M. TONY LIEBERMAN
Name of Registered Site Manager

M. Tony Lieberman
Signature of Registered Site Manager

Date 1/23/15

NOTARIZATION

North Carolina (Enter State)

Wake **COUNTY**

I, Debra A. Tabron, a Notary Public of said County and State, do hereby certify that M. Tony Lieberman did personally appear and sign before me this day, produced proper identification in the form of Driver's License, 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 23 day of JANUARY, 2015.

Debra A. Tabron
Notary Public (signature)

(OFFICIAL SEAL)

DEBRA A. TABRON
Notary Public
Wake County
NORTH CAROLINA

My commission expires: 8.22.15

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