Amec Foster Wheeler E&I, Inc.
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Wilmington, North Carolina 28401
Phone: (910) 452-1185 Fax: (910) 791-1338

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LETTER OF TRANSMITTAL

TO: Ms. Stephanie Lewis Operations Manager Brunswick County Government P.O. Box 249 Bolivia, NC 28422	**DATE:** 4/29/2016 **PROJECT NO.:** 6550-15-0020 **PROJ. NAME:** GW Monitoring/Brunswick County Landfill **SUBJECT**: Compliance Monitoring for March 2016

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		Ground Water Quality Monitoring Program/Brunswick County Landfill, Supply, NC

REMARKS:

CC: Mr. Ervin Lane, NCDENR/Solid Waste Section

File (1)

By: Walker Jones BWJ
5710 Oleander Drive, Suite 110
Wilmington, North Carolina 28403
Phone: (910) 452-1185
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LETTER OF TRANSMITTAL

TO: Mr. Ervin Lane Division of Waste Management Solid Waste Section –NCDENR 1646 Mail Service Center Raleigh, NC 27699-1646	**DATE:** 4/29/2016 **PROJECT NO.:** 6550-15-0020 **PROJ. NAME:** GW Monitoring/Brunswick County Landfill **SUBJECT**: Compliance Monitoring for March 2016

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		Ground Water Quality Monitoring Program/Brunswick County Landfill, Supply, NC
1	4/29/2016	CD copy of report listed above and Excel spreadsheet of Electronic Data Deliverable

REMARKS:

CC: Stephanie Lewis, Brunswick County Government

File (1)

By: Walker Jones

5710 Oleander Drive, Suite 110
Wilmington, North Carolina 28403
Phone: (910) 452-1185
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REPORT OF
COMPLIANCE GROUNDWATER MONITORING
FOR MARCH 2016
GROUND WATER QUALITY MONITORING PROGRAM
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA

Prepared for

Office of Operations Services
Government of Brunswick County

Prepared by

Amec Foster Wheeler, Environment & Infrastructure, Inc.
Wilmington, North Carolina

April 26, 2016
Amec Foster Wheeler Project No. 6550-15-0020

April 26, 2016

Ms. Stephanie Lewis
Operations Manager
Brunswick County Government
P.O. Box 249
Bolivia, North Carolina 28422

Subject: **Report of Compliance Groundwater Monitoring for March 2016**
Groundwater Quality Monitoring Program
Brunswick County Landfill (Permit No. 10-07)
Bolivia, North Carolina
Amec Foster Wheeler Project No. 6550-15-0020

Dear Ms. Lewis:

Amec Foster Wheeler, Environment & Infrastructure, Inc. (Amec Foster Wheeler) is pleased to provide this report of compliance groundwater monitoring for March 2016, at the Brunswick County Landfill, Brunswick County, North Carolina. This work was conducted in accordance with Amec Foster Wheeler's Proposal No. PROP15WILM005 dated August 11, 2015, which was authorized by the Brunswick County Government. The data discussed herein was structured to assist the Brunswick County Government to comply with their landfill permit requirements found in the solid waste regulations under 15A NCAC 13B.

We consider the Brunswick County Government a very important long-term client and appreciate the opportunity to provide our services at the Brunswick County Landfill. Should you have any questions regarding this report please do not hesitate to call us at your earliest convenience.

We will forward two copies of this final report to the North Carolina Department of Environmental Quality, Division of Waste Management.

Sincerely,
Amec Foster Wheeler, Environment & Infrastructure, Inc.

Rudy A. Smithwick, L.G.
Senior Geologist

B. Walker Jones, RSM
Senior Project Manager

cc: Mr. Ervin Lane – NCDWM

Amec Foster Wheeler Environment & Infrastructure, Inc.
5710 Oleander Drive, Suite 110
Wilmington, North Carolina 28403

Tel - (910) 452-1185
Fax - (910) 791-1338

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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

ESC Laboratories, Amec Foster Wheeler Environment & Infrastructure, Inc., Brunswick County Government

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Walker Jones Phone: 910-444-2979

E-mail: walker.jones@amecfw.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Brunswick County Landfill, NC	SR 1401 Galloway Rd Bolivia, NC	10-07	.1600	March 18, 2016

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Rudy A. Smithwick, LG — Senior Hydrogeologist — (910) 452-1185

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Rudy A. Smithwick April 29 2016

Signature — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 866 GEOLOGIST RUDY A SMITHWICK 4-29-16

5710 Oleander Dr. Suite 110, Wilmington, NC

Facility Representative Address

Licensure: NC Engineering F-0653 NC Geology C-247

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

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APPENDICES

Appendix A Field Sampling Reports
Appendix B Results of Chemical Analyses
Appendix C Electronic Data Deliverable

1. INTRODUCTION

Amec Foster Wheeler, Environment & Infrastructure, Inc. (Amec Foster Wheeler) has completed the March 2016 semi-annual compliance groundwater monitoring event for Brunswick County Government (Brunswick County). This work was conducted in accordance with the July 13, 1994 Water-Quality Monitoring Program at the Brunswick County Solid Waste Landfill (See Figure 1), as part of the North Carolina Department of Environmental Quality (NCDEQ) Solid Waste Code Requirements of Title 15A, North Carolina Administrative Code, Subchapter 13B (15A NCAC 13B) under Section .1633 (b).

The analytical data includes the Appendix I list of constituents as required in 15A NCAC 13B under Section .1634 (b), relative to the Assessment Monitoring Program. The information discussed in this report is provided to assist Brunswick County for compliance with the required regulations.

The following sections describe our scope of services, the results of the fieldwork and chemical analysis, a discussion of the results and our conclusions.

2. SCOPE OF SERVICES

In accordance with Amec Foster Wheeler's Proposal No. PROP15WILM005 dated August 11, 2015, the project work consisted of the following scope of services:

- Measurement of water levels and purging of water in the nine compliance monitoring wells surrounding the Brunswick County Landfill. These monitoring wells included MW-1, MW-2, MW-3, MW-4, MW-6, MW-7R, MW-8, MW-9 and MW-10;

- Collection of a representative water sample from each of the wells, a duplicate sample and a Rinsate sample, using protocols and quality-control procedures as described in the approved Water Quality Monitoring Plan for the Brunswick County Municipal Solid Waste Landfill, dated September 24, 2013;

- Analysis of the water samples for Appendix I constituents by a North Carolina certified laboratory, using EPA-approved analytical methods;

- Compilation of the field and analytical data; and

- Preparation of a monitoring report to support the Assessment Monitoring requirements found under 15A NCAC 13B .1632(e).

3. FIELD ACTIVITIES

The following sections describe the field activities conducted as part of the March 2016 monitoring event. This work included gauging water levels, purging the appropriate wells prior to sampling, collecting groundwater samples for field and laboratory purposes, and collecting water quality control (QC) samples. We note that prior to each activity described below, the respective gauging or sampling professional properly donned new nitrile gloves to avoid potential contamination of the groundwater and QC samples.

3.1. Water Level Gauging and Well Purging

On March 17, 2016, Amec Foster Wheeler personnel obtained water level measurements from nine groundwater monitoring wells using an electronic probe. The probe was decontaminated between measurements by washing with a detergent solution and rinsing with distilled water.

The nine wells were purged using new dedicated/disposable Teflon bailers and polypropylene monofilament line. Well purging was conducted by removing at least three well volumes of water until pH measurements stabilized. Specific conductance, pH, water temperature and turbidity were measured in the field periodically during well purging. The field meters were properly calibrated in the field prior to purging activities. These data were recorded in a dedicated Amec Foster Wheeler field book and were transferred to Field Sampling Reports, which are provided in Appendix A.

3.2. Groundwater Sampling

Groundwater samples were collected from wells MW-1, MW-2, MW-3 MW-4, MW-6, MW-7R, MW-8, MW-9 and MW-10 on March 18, 2016. The samples were collected within 24 hours of the well purging (see Section 3.1). New dedicated/disposable Teflon bailers were carefully lowered to collect the upper portion of the water column in each well to limit entrained sediment and reduce turbidity. Upon collection, the samples were carefully poured into laboratory-provided containers with appropriate preservatives. The sample containers were labeled with the sample number, date, analysis, preservatives present and the name of the collector. The sample containers were wrapped in suitable padding and placed into a cooler containing ziploc bags full of ice. A trip blank, prepared by the laboratory, remained unopened in the cooler and was returned to the laboratory to serve as an internal check for procedural contamination.

Temperature, pH, specific conductance and turbidity of the water being sampled were measured and recorded at the time of sample collection. The field meters were properly calibrated in the field prior to sampling activities. These data were recorded in a dedicated Amec Foster Wheeler field book and were also included in the Field Sampling Reports (See Appendix A). Appropriate chain-of-custody forms were maintained throughout the sample collection and shipment process of the samples.

3.3. Quality Control Samples

A bailer rinsate sample, designated RINSATE, was collected to assess QC for the disposable bailers used for purging and sampling. The rinsate sample was collected by pouring high performance (or high pressure) liquid chromatography (HPLC) grade, laboratory-filtered (0.1 micron) water into a disposable Teflon bailer, which was then poured into laboratory-prepared sample containers. This sample was collected in the field during sampling activities and was handled in a similar manner as the samples discussed in Section 3.2.

A duplicate sample, designated Duplicate, was collected as an unidentified QC sample for the laboratory. The duplicate sample was collected from well MW-6 in conjunction with the collection of the original MW-6 sample described in Section 3.2. The duplicate sample was handled in the field in the same manner as the samples discussed in Section 3.2.

One laboratory prepared trip blank sample was also included with the sample cooler. The trip blank remained in the cooler from the laboratory, throughout sample collection and subsequent shipment back to the laboratory.

3.4. Laboratory Analytical Work

The groundwater samples collected on March 18, 2016 were shipped to Environmental Science Corporation (ESC) in Mt. Juliet, Tennessee. Samples from wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7R, MW-8, and MW-9 were analyzed for the Appendix I list of constituents, including volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260 and 16 metals for totals. The Rinsate and Duplicate samples were also analyzed for the Appendix I list of constituents. The trip blank was analyzed for Appendix I volatiles.

The metals analysis for these samples included element-specific methods in compliance with the NCDEQ requirements stated in a letter dated January 18, 1995. The analytical methods described above were conducted in accordance with the requirements and specifications of the NCDWM, using procedures defined by the EPA.

4. RESULTS OF FIELD AND ANALYTICAL WORK

The results of the field and analytical work described above are provided in the following sections. This work has been compiled and summarized in Tables 1 through 3. Field sampling reports for the work conducted are provided in Appendix A. Copies of the original ESC laboratory reports are presented in Appendix B.

4.1. Groundwater Flow

As shown on the attached Table 1, groundwater levels measured in each of the wells were used to calculate respective groundwater elevations. These data were then used to develop an interpolated potentiometric surface map of the shallow aquifer, as shown in Figure 2. This potentiometric surface map is similar to those compiled as part of this Water Quality Monitoring Program. In general, the average hydraulic gradient of the shallow aquifer is approximately 0.005 ft/ft and slopes towards the south to southwest. Differences in water level elevation among the wells were similar to those of previous measuring events.

Approximate seepage flow velocities were calculated at each monitoring well location using the groundwater gradients from Figure 2. A modified Darcy Equation (Freeze & Cherry, 1979), which has been used for the site in past reports, was used to derive seepage flow velocities from these parameters, as follows:

$$V_s = \underline{Ki/n_e}$$

where V_s = rate of water flow
K = hydraulic conductivity
i = gradient between measured points
n_e = effective porosity

Parameters used to calculate seepage flow velocity at each well location are provided on Table 2. Hydraulic conductivity and porosity values, shown in Table 2, were obtained from Amec Foster Wheeler's (then Law Engineering) "Report of Initial Baseline Sampling Event" dated October 6, 1994. Porosity values used are estimated effective porosities obtained from typical ranges of values given by Johnson (1967) for sediment textures similar to those encountered in the boring for Wells MW-8 and MW-9. On that basis, lower limits for porosity for sediments approximately 15 feet below the ground surface at MW-8 are approximately 30 percent; and for sediments at approximately 50 feet below ground surface, approximately 20 percent. Therefore, a 30 percent value was used for each well except MW-8, to which the 20 percent value was applied.

4.2. Groundwater Quality

A summary of the analytical results is provided in Table 3. This data was compared with the NCDEQ's 15A NCAC 2L Groundwater Standards (2L Standards), the NCDEQ's Groundwater Protection Standards (GWP Standards) and the NCDEQ's Solid Waste Section Limits (SWSLs). A copy of the original laboratory report and related chain-of-custody records is provided in Appendix B. A copy of the electronic data deliverable is included in Appendix C. The following provides a discussion of the analytical results.

4.2.1. Volatiles

VOCs were not detected from the groundwater samples collected and analyzed during the March 2016 sampling event.

4.2.2. Metals

As shown on Table 3, the analytical results indicated detectable concentrations of two metals (arsenic and barium) in groundwater from the nine monitoring wells sampled. Arsenic was the only metal detected in excess of the 2L Standards from monitoring well MW-7R. GWP Standards are not currently established for arsenic or barium. A summary of the recent and historical laboratory analytical results for the metals routinely detected is discussed below.

4.2.2.1. Arsenic

Arsenic was detected in groundwater from well MW-7R at 192 µg/L, above the 2L Standard of 10 µg/L. Arsenic was not detected in excess of the groundwater standards in the remainder of the samples collected during this event.

As shown in Table 4, the historical analytical groundwater data for arsenic indicates this compound has been sporadically detected at concentrations above its 2L Standard from several wells. The sporadic detections are considered the result of entrained or suspended particulate artifacts in the sample as arsenic tends to adsorb to sediment in the water column. However, the consistency of arsenic results from MW-7R detected above the 2L Standard suggests dissolved concentrations of arsenic may be present in groundwater at this location.

Based on the general groundwater flow data, well MW-10 is positioned downgradient of well MW-7R. Groundwater samples collected from well MW-10 did not indicate the presence of arsenic above the 2L Standard, indicating that downgradient the extent of this metal is defined.

4.2.2.2. Cobalt

Cobalt was not detected in the groundwater samples collected during this March event.

As shown in Table 4, historical data indicates cobalt has been detected sporadically over time at several of the site monitoring wells including the background well MW-9 at concentrations above the GWP standard of 1 µg/L. The variations between each event do not suggest a trend of continuous or increasing concentrations of cobalt for these wells. The sporadic detections are more likely the result of entrained or suspended particulate artifacts in the sample as metals tend to adsorb to sediment in the water column. Although not detected during the March 2016 sampling event, consistent concentrations of cobalt observed in groundwater from well MW-7R, however, suggest this metal may not be the result of entrained or suspended particulate artifacts.

Groundwater samples collected downgradient of MW-7R from well MW-10 did not indicate the presence of cobalt above the laboratory method detection limit.

4.2.2.3. Thallium

Thallium was not detected in the groundwater samples collected during this March event.

As shown in Table 4, historical data indicates thallium has been detected sporadically during the previous 32 sampling events. Based on the infrequent detections and low estimated concentrations, historical detections of thallium are likely the result of entrained or suspended particulate artifacts in the sample.

4.2.2.4. Vanadium

Vanadium was not detected in the groundwater samples collected during this March event.

As shown in Table 4, historical data indicates vanadium has been detected sporadically over time from several monitoring wells at the site, including the background well MW-9, at concentrations above the GWP Standard of 0.3 µg/L. These concentrations are typically estimated between the laboratory reporting and method detection limits due to the low concentrations detected. The variations between each event do not suggest a trend of continuous or increasing concentrations of vanadium. The sporadic detections are more likely the result of entrained or suspended particulate artifacts in the sample as metals tend to adsorb to sediment in the water column.

4.3. Quality Control Sample Results

The Quality Control (QC) samples (Duplicate and Rinsate), were collected and handled in the field in the same manner as the samples discussed in Section 3.2.

4.3.1. Duplicate Sample

The Duplicate sample results did not indicate the presence of VOCs or metals at concentrations above the 2L or GWP Standards for the March 2016 sampling event.

4.3.2. Equipment Rinsate Sample

The Equipment Rinsate sample results did not indicate the presence of VOCs or metals at concentrations above the 2L or GWP Standards for the March 2016 sampling event.

5. CONCLUSIONS

On the basis of the findings from the March 2016 sampling event and results from previous sampling events, Amec Foster Wheeler has developed the following conclusions:

- As demonstrated in previous monitoring events, groundwater at the site generally flows in southwesterly to southerly direction. The flow direction and seepage velocities are similar to previous monitoring events.

- No VOCs were detected above the NCDEQ 2L or GWP Standards from the samples collected during the March 2016 event.

- Arsenic was detected in groundwater in well MW-7R, above the 2L standard. The historical groundwater data indicates a consistent trend of both arsenic and cobalt in groundwater from well MW-7R. Based on the general groundwater flow data, well MW-10 is positioned downgradient of well MW-7R. Groundwater samples collected from well MW-10 did not indicate the presence of arsenic or cobalt above their respective standards, indicating that downgradient the extent of these metals are defined.

- Thallium was not detected in groundwater during the March 2016 event. Historically, this metal is rarely detected and if detected, it is likely the result of entrained or suspended particulate artifacts.

- Vanadium was not detected in groundwater during the March 2016 event. Vanadium has been sporadically detected at several well locations in groundwater during past sampling events, typically in low estimated concentrations. These data do not suggest a trend of increasing concentrations and are likely the result of entrained or suspended particulate artifacts in the sample based on previous results.

In summary, the findings from the recent sampling event are similar to historical data collected from the site. Because the site is currently under the Assessment Monitoring Program, Amec Foster Wheeler is of the opinion that continued routine groundwater Assessment and Detection compliance monitoring of the landfill is appropriate.

6. REFERENCE

AMEC 2013. *Water Quality Monitoring Plan for the Brunswick County Municipal Solid Waste Landfill*, Brunswick County Government, dated September 24, 2013, prepared by AMEC

Freeze, R. A., and Cherry, J. A., 1979. *Groundwater* – Hydraulic Conductivity and Permeability, Prentice-Hall, Inc., Englewood Cliffs, NJ, pp. 26-28.

Johnson, A. I., 1967. *Specific Yield – Compilation of Specific Yields for Various Materials*, U.S. Geological Survey Water-Supply Paper 1662-D, 74 pp.

TABLES

TABLE 1
GROUNDWATER LEVEL DATA
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER JOB NO.: 6550-15-0020

Well	Total Depth of Well	Elevation of Top of Casing	Depth of Water	Elevation of Water (MSL)
MW-1	32.20	42.01	24.85	17.16
MW-2	19.57	42.87	12.22	30.65
MW-3	37.00	18.00	Artesian	Top of Casing
MW-4	19.75	18.50	9.00	9.50
MW-6	32.13	30.60	16.82	13.78
MW-7R	21.50	21.88	12.99	8.89
MW-8	55.00	42.04	25.19	16.85
MW-9	29.29	31.61	11.56	20.05
MW-10	25.00	13.33	5.79	7.54

Notes:
Elevations shown are relative to mean sea level (msl) and presented in feet.
Water levels were measured on March 17, 2016

Prepared by: WJM 3/24/16
Checked by: C Smillie 4/22/16

P:\Projects\CLIENTS\Brunswick Landfill\H2ODATA\2015\March\Mar 2016 GW elevation.xls

TABLE 2
HYDROGEOLOGIC CHARACTERISTICS (MARCH 2016)
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER JOB NO.: 6550-15-0020

Well No.	Elevation of Screened Interval (ft. MSL)	K (ft./day)	i (ft./ft.)	n - Effective Porosity	V_s - Seepage Flow Rate (ft./day)	Flow Direction (degrees from north)
MW-1	8.5 - 18.5	4.3	4.80E-03	0.3	0.069	198
MW-2	21.5 - 36.5	1.8	4.80E-03	0.3	0.029	198
MW-4	(-)2 - 13	1.4	6.90E-03	0.3	0.032	216
MW-6	2 - 17	1.9	4.80E-03	0.3	0.030	173
MW-7R	0.5 - 15.5	3.7	5.10E-03	0.3	0.063	205
MW-8	(-)15.35 - (-)5.35	0.1	4.80E-03	0.2	0.002	198

Note:

- Drawdown tests were not carried out on well MW-3 because of flowing artesian conditions.

- K = Hydraulic conductivity values were calculated from recovery test data as described in the "Report of Initial Baseline Sampling Event" (October 6, 1994)

- i = Hydraulic gradients were calculated using the September 2014 Groundwater Contour Map

- Effective porosity values were derived from Johnson 1967

Prepared by: WJM 4/7/16

Checked by: BW Jones 4/22/16

P:\Projects\CLIENTS\Brunswick Landfill\H2ODATA\2016\AVG PERME 16.XLS

TABLE 3
SUMMARY OF DETECTED ANALYTICAL RESULTS (March 2016)
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC PROJECT NO.: 6550-15-0020

		Lab Sample ID	L824488-01		L824488-02		L824488-03		L824488-04		L824488-05		L824488-06		L824488-07		L824488-08		L824488-09		L824488-10		L824488-11		**2L GWQ**	**GWP**	**SWSL**
		Client Sample ID	MW-1		MW-2		MW-3		MW-4		MW-6		MW-7R		MW-8		MW-9		MW-10		RINSATE		DUPLICATE				
		Date Collected	3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016		3/18/2016				
Method	**Parameter**	**Units**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**			
6010C	BARIUM	ug/l	153		139		**24.3**		132		**59.9**		156		**19.7**		**24**		**22.5**		<5		**61.8**		700	--	100
6020	ARSENIC	ug/l	<2		**9.47**		<2		**4.65**		<2		**192**		<2		<2		**2.48**		<2		**2.93**		10	--	10

Notes:

Concentrations are reported in µg/L (micrograms per liter)

A less than (<) symbol indicates the analyte was not detected above the laboratory method detection limit.

2L GWQ = NCAC 2L Groundwater Quality Standard *update effective April 1, 2013

GWP - Ground Water Protection Standard (used when no 2L Standards are established)

SWSL - Solid Waste Section Limits

GWP and SWSL Standards - last updated 6/13/2011.

Duplicate sample was taken at MW-6

Bold and yellow shaded values indicate concentrations in excess of 2L Groundwater Standard

Bold and orange shaded cells indicate concentrations in excess of the GWP.

Bold and green shaded cells indicate concentrations in excess of the SWSL

Refer to the laboratory report for specific analytes not shown and their corresponding detection limits.

Turbidity data was collected in the field.

~ = No Information

Created by: WJM 4/4/16

Checked by: BWJ 4/4/16

TABLE 4
HISTORICAL SUMMARY OF DETECTED METALS SINCE 2000
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-1	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	1.1	BQL	BQL	BQL	12.2	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2002	BQL	BQL	BQL	BQL	1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	BQL	BQL	BQL	1.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	10	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	**13**	BQL	BQL	15	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/17/2004	BQL	BQL	BQL	BQL	BQL	**64**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	39	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	1.2	BQL	BQL	BQL	**66**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	BQL	11	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	**1.1**	BQL	100	0.41J	BQL	BQL	2J	BQL	BQL	BQL	14J	0.81J	BQL	**0.31J**	BQL	7.6J
	9/23/2008	BQL	0.41J	110	BQL	BQL	BQL	BQL	1.7	BQL	BQL	BQL	0.6J	BQL	BQL	2.3J	6.7J
	3/13/2009	BQL	0.67J	98	BQL	BQL	2.2J	BQL	BQL	5.2	BQL	BQL	14J	BQL	BQL	**4.9J**	63
	9/17/2009	BQL	2.4	170	1.3	0.69	**19**	5.4J	11	**19**	BQL	BQL	3.4	BQL	0.19J	**24**	54
	3/23/2010	BQL	BQL	120	1.9	BQL	BQL	BQL	BQL	**18**	BQL	6.7	19	4.5	BQL	BQL	8.7
	9/15/2010	BQL	0.64 J	120	BQL	0.32 J	3.6 J	BQL	3	12	0.02 J	BQL	1.1	BQL	BQL	**4.7 J**	12
	3/11/2011	BQL	BQL	82	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	13J	BQL	BQL	**2.9J**	BQL
	9/15/2011	0.27J	1.3	120	0.19J	0.2J	BQL	BQL	0.77J	BQL	BQL	BQL	0.83J	4.8J	**0.30J**	BQL	3.5J
	3/16/2012	BQL	BQL	84	BQL	0.22 J	BQL	BQL	BQL	5.1	BQL	BQL	7.5 J	5.7 J	BQL	BQL	BQL
	9/12/2012	0.5J	0.7J	77	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.27J	BQL	3J
	3/14/2013	BQL	0.32 J	81	0.19 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.6 J
	9/12/2013	BQL	0.28	78	0.2	BQL	BQL	BQL	BQL	0.49	BQL	BQL	0.85	BQL	BQL	BQL	5.2
	3/4/2014	BQL	0.43J	100	BQL	BQL	2.9J	BQL	BQL	2.3	0.063J	BQL	BQL	BQL	BQL	BQL	3.8J
	9/9/2014	BQL	0.35 J	85	0.25 J	BQL	BQL	BQL	BQL	BQL	0.053	BQL	1.2	BQL	BQL	BQL	7 J
	3/17/2015	BQL	BQL	94	BQL	BQL	1.7J	BQL	0.61J	BQL	BQL	11J	BQL	BQL	**0.81J**	BQL	4.1J
	9/29/2015	0.212J	0.892J	121	BQL	BQL	3.18J	BQL	1.02J	0.325J	BQL	BQL	BQL	BQL	**BQL**	BQL	7.12J
	3/18/2016	BQL	BQL	153	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

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HISTORICAL SUMMARY OF DETECTED METALS SINCE 2000
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-2	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	**2.8**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	**2**	BQL	BQL	BQL	12.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	BQL	1.7	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2002	BQL	**27.5**	BQL	BQL	1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	12	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/17/2004	BQL	BQL	BQL	BQL	BQL	**69**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**50**	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	**110**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	7.1	BQL	BQL	BQL	**87**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	8.5	11	BQL	BQL	BQL	BQL	BQL	7.4	BQL	BQL	BQL	BQL	BQL	**15**	79
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	0.47J	4.8	96	0.26J	BQL	2.5J	4.6J	BQL	BQL	BQL	42	1.5	BQL	**0.23J**	BQL	4.7J
	9/23/2008	BQL	**22**	88	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.5J,O	BQL	BQL	**5.1J**	16J,O
	3/13/2009	BQL	7.1	71	BQL	BQL	BQL	BQL	BQL	3.1J	BQL	BQL	**46**	BQL	BQL	3J	BQL
	9/17/2009	0.34J	**14**	83	0.67J	0.7	**27**	**12**	6	10	BQL	BQL	1.8	BQL	**0.38J**	**51**	25
	3/23/2010	BQL	6.3	87	1.5	BQL	5.7	**1.7**	BQL	**26**	BQL	BQL	**46**	BQL	**BQL**	**9.3**	25
	9/15/2010	BQL	8.8	53	BQL	BQL	BQL	BQL	BQL	6.4	BQL	BQL	0.45 J	BQL	BQL	BQL	3.2 J
	3/11/2011	BQL	5.2	64	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**20J**	BQL	BQL	BQL	BQL
	9/15/2011	0.29J	**11**	63	0.19J	0.2J	BQL	BQL	0.52J	BQL	BQL	BQL	0.79	BQL	**0.31**	BQL	BQL
	3/16/2012	BQL	7	82	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2012	BQL	**12**	56	BQL	BQL	BQL	BQL	BQL	BQL	0.05J	BQL	BQL	BQL	0.23J	BQL	BQL
	3/14/2013	BQL	**11**	180	0.13 J	BQL	4 J	BQL	1 J	BQL	BQL	BQL	1.1	BQL	0.21 J	BQL	BQL
	9/12/2013	BQL	10	98	0.19	BQL	BQL	BQL	BQL	0.32	BQL	BQL	0.88	BQL	BQL	BQL	BQL
	3/4/2014	BQL	**11**	91	BQL	BQL	3.9J	BQL	BQL	0.5J	0.06J	5.5J	BQL	BQL	BQL	BQL	BQL
	9/9/2014	BQL	7.2	93	0.25 J	BQL	2.1 J	BQL	BQL	BQL	0.051	BQL	BQL	BQL	BQL	BQL	BQL
	3/17/2015	BQL	7.4	140	BQL	BQL	8.6J	BQL	BQL	BQL	BQL	7.2J	BQL	BQL	BQL	BQL	BQL
	9/29/2015	BQL	27.8	101	BQL	BQL	1.49J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.58J	3.92J
	3/18/2016	BQL	9.47	139	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

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HISTORICAL SUMMARY OF DETECTED METALS SINCE 2000
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-3	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**11.9**	BQL	BQL
	3/8/2002	BQL	BQL	BQL	BQL	1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**17**	BQL	BQL	BQL	BQL	BQL	BQL	140
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	52
	9/17/2004	BQL	BQL	BQL	BQL	BQL	**32**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	400
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	77
	3/2/2006	BQL	5.9	BQL	BQL	BQL	**160**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	BQL	32	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	30
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	10/8/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	0.54J	BQL	25	0.24J	BQL	BQL	1.4J	150	12	BQL	BQL	0.43J	BQL	0.21J	BQL	580
	9/23/2008	BQL	BQL	28	BQL	BQL	BQL	BQL	7.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	13
	3/13/2009	**16J,P1**	BQL	27	BQL	BQL	BQL	BQL	BQL	4.2J,P	BQL	BQL	11J,P1	BQL	BQL	BQL	BQL
	9/17/2009	0.41J,	0.94J	30	BQL	BQL	7.3J,P	BQL	3.8	BQL	BQL	BQL	0.63J,	BQL	BQL	**6J,P1**	12P1
	3/23/2010	BQL	BQL	28	1.6	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**27**	BQL	BQL	BQL	18
	9/15/2010	BQL	BQL	26	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/11/2011	BQL	BQL	28	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	12J	BQL	BQL	BQL	BQL
	9/15/2011	0.48J	0.91J	28	0.2J	0.21J	BQL	BQL	1.8J,P	BQL	BQL	BQL	0.45J,	BQL	**0.33J**	BQL	2.9J,P
	3/16/2012	BQL	BQL	34	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.2 J	BQL	BQL	BQL
	9/12/2012	BQL	BQL	25	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.22J	BQL	BQL
	3/14/2013	BQL	BQL	26	0.17 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2013	BQL	BQL	26	0.17	BQL	BQL	BQL	BQL	1.5	BQL	BQL	BQL	BQL	BQL	BQL	3.2
	3/4/2014	BQL	BQL	26	BQL	BQL	1.4J	BQL	BQL	4.4	0.062J	BQL	BQL	BQL	BQL	BQL	3.3J
	9/9/2014	BQL	BQL	29	0.22 J	BQL	BQL	BQL	BQL	0.75 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/17/2015	BQL	BQL	28	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.9J	BQL	BQL	BQL	BQL	BQL
	9/29/2015	BQL	0.684J	26.2	BQL	BQL	BQL	BQL	0.575J	3.43	BQL	BQL	BQL	BQL	BQL	BQL	3.19J
	3/18/2016	BQL	BQL	24.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

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SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-4	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	**16.2**	BQL	BQL	**3.4**	BQL	**15.1**	BQL	**17.8**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	**2**	BQL	BQL	BQL	12.6	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	175	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2002	BQL	**17.1**	BQL	BQL	1.7	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	**13.2**	**12.3**	132	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**17.5**	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	18	BQL	BQL	**16**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	36	**12**	BQL	**19**	BQL	BQL	BQL	BQL	BQL	**62**	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**61**	BQL	BQL	BQL	BQL
	9/17/2004	BQL	BQL	BQL	BQL	BQL	**140**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	**11**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	**6**	**120**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	3.7	86	BQL	BQL	BQL	BQL	BQL	7.3	BQL	BQL	BQL	BQL	BQL	**18**	BQL
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	30	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	0.34J	**15**	68	0.27J	BQL	BQL	**6J**	0.91J	BQL	BQL	BQL	1.1J6	BQL	0.22J	BQL	7.3J
	9/23/2008	BQL	**12**	130	BQL	BQL	2.6J	**2.9J**	BQL	14	BQL	BQL	2.9J,O	BQL	0.23J	**14**	20J,O
	3/13/2009	BQL	5.2	93	BQL	BQL	5.6J	**2.2J**	BQL	2J	BQL	BQL	29	BQL	BQL	**13**	BQL
	9/17/2009	0.32J	**21**	180	1.3	**1.8**	**110**	**36**	8.1	**37**	BQL	33	4.6	5.6J	**1.5**	**110**	36
	3/23/2010	BQL	6.7	140	1.7	BQL	**37**	**11**	8.9	**43**	BQL	11	11	BQL	BQL	**55**	18
	9/15/2010	BQL	**12**	130	0.18 J	0.54	**24**	**18**	5.6	8.4	BQL	12 J	2.2	BQL	**0.46 J**	**23**	20
	3/11/2011	BQL	1.5	100	BQL	BQL	BQL	BQL	BQL	2.3J	BQL	BQL	16J	BQL	BQL	**3.1J**	BQL
	9/15/2011	0.49	**28**	190	0.89	1.2	**29**	**17**	6.2	5.6	0.07	16	1.6	BQL	**0.77**	**42**	19
	*3/16/2012	BQL	BQL	160	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/16/2012	BQL	3.3	150	BQL	0.18 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.8 J	BQL	BQL	BQL
	9/12/2012	BQL	7.6	130	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.23J	BQL	BQL
	3/14/2013	BQL	2.4	98	0.16 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2013	BQL	5.8	100	0.16	BQL	BQL	BQL	BQL	3.8	BQL	7.5	0.56	BQL	BQL	3.5	BQL
	3/4/2014	BQL	4.1	83	BQL	BQL	3.8J	BQL	BQL	2.1	0.068J	7.1J	BQL	BQL	BQL	**5.8J**	2.6J
	9/9/2014	BQL	4.4 J	87	0.26 J	BQL	4.2 J	BQL	BQL	2.1 J	0.07 J	BQL	BQL	BQL	BQL	**12**	BQL
	3/17/2015	BQL	2.8	100	BQL	BQL	3.1J	BQL	0.81J	BQL	BQL	8J	BQL	BQL	BQL	**4.1J**	BQL
	9/29/2015	BQL	**10.1**	137	0.149	0.308	8.48	**10.3**	2.09	1.99	BQL	7.52	0.674	BQL	**0.396**	**10.1**	8.19
	3/18/2016	BQL	4.65	132	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

TABLE 4
HISTORICAL SUMMARY OF DETECTED METALS SINCE 2000
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-6	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2002	BQL	**13.2**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/17/2004	BQL	**14**	BQL	BQL	BQL	14	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	96
	3/2/2006	BQL	**25**	BQL	BQL	BQL	29	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	**24**	120	BQL	0.54	11	BQL	BQL	5.3	BQL	BQL	BQL	BQL	BQL	**16**	38
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	2.1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	8.0	BQL	BQL	BQL	BQL
	3/12/2008	0.27J	1.2	66	0.6J	BQL	BQL	**3.3J**	2.3	BQL	BQL	15J	3.1	BQL	0.26J	BQL	6.8J
	9/23/2008	BQL	2.3	60	0.4J	BQL	BQL	BQL	5.1	2J	BQL	BQL	5.0	BQL	**0.32J**	**3.9J**	7.7J
	3/13/2009	BQL	3.7	70	1.7J,P	BQL	10	**3.8J**	BQL	7.2P1	BQL	BQL	BQL	BQL	BQL	**6.9J**	9.7J,P
	9/17/2009	**0.34J**	**20**	65	2.9	0.82	31	**9.7J**	20	14	BQL	BQL	24.0	BQL	**0.31**	**29**	79
	3/23/2010	BQL	5.2	56	2.1	BQL	BQL	**2.1**	BQL	15	BQL	10	BQL	BQL	BQL	BQL	BQL
	9/15/2010	BQL	2.9	42	0.48 J	0.17 J	BQL	**2.1 J**	3.5	9.6	0.03 J	BQL	14.0	BQL	BQL	BQL	8.6 J
	3/11/2011	BQL	**18**	73	0.68J	BQL	**16**	**2.3J**	5.3J	5.6	BQL	BQL	6.8J	BQL	BQL	**18**	11J
	9/15/2011	0.3J	4.3	45	0.29J	0.27J	BQL	BQL	1.6J	BQL	BQL	BQL	1.7	BQL	**0.4J**	BQL	5.4J
	3/16/2012	BQL	8.6	52	BQL	0.6	8.1 J	BQL	BQL	1.7 J	BQL	BQL	BQL	BQL	BQL	**5.8 J**	18 J
	9/12/2012	BQL	0.55J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**0.33J**	BQL	BQL
	3/14/2013	BQL	3.6	54	0.56 J	BQL	6 J	BQL	1.7 J	1.4	BQL	BQL	2.2	BQL	BQL	**2.6 J**	8.2 J
	9/12/2013	BQL	0.47	59	0.33	2.2	BQL	BQL	0.74	0.76	BQL	BQL	1.3	BQL	BQL	BQL	BQL
	3/4/2014	BQL	0.78J	48	BQL	BQL	1.7J	BQL	BQL	0.94J	0.069J	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2014	BQL	0.62 J	78	0.36 J	0.23 J	BQL	BQL	BQL	0.41 J	0.058J	BQL	0.89 J	BQL	BQL	BQL	3.5 J
	3/17/2015	BQL	0.96J	78	0.12J	BQL	BQL	BQL	0.7J	0.36J	BQL	7.1J	0.56J	BQL	BQL	BQL	BQL
	9/29/2015	BQL	0.906J	13.1	BQL	BQL	BQL	BQL	0.607J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.92J
	3/18/2016	BQL	BQL	59.9	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

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SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-7	3/22/2000	BQL	**77**	BQL	BQL	BQL	BQL	**68**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	**63.9**	BQL	BQL	**2.4**	BQL	**60**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	**50.6**	BQL	BQL	1.6	BQL	**76.4**	BQL	11.5	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	161	BQL	BQL	BQL	**62.9**	BQL	10.9	BQL	BQL	BQL	BQL	BQL	BQL	25.7
	3/8/2002	BQL	**83.7**	BQL	BQL	1.6	BQL	**84**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	**82.7**	173	BQL	BQL	BQL	**49.5**	BQL	BQL	BQL	BQL	BQL	BQL	**10.1**	BQL	BQL
	3/14/2003	BQL	**69**	BQL	BQL	BQL	16	**31**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	**88**	BQL	BQL	BQL	BQL	**25**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	**77**	BQL	BQL	BQL	BQL	**26**	BQL	BQL	BQL	BQL	26	BQL	BQL	BQL	BQL
	9/17/2004	BQL	**92**	BQL	BQL	BQL	**120**	**37**	BQL	12	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	**150**	BQL	BQL	BQL	BQL	**80**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	54
MW-7R	10/14/2006	**33**	**28**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	**18**	BQL	BQL	BQL	**85**	**17**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	**58**	78	BQL	BQL	BQL	**20**	BQL	12	BQL	BQL	BQL	**28**	BQL	BQL	49
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	**56**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	**56**	BQL	BQL	BQL	BQL	**47**	BQL	BQL	BQL	BQL	1.4	BQL	BQL	BQL	BQL
	3/12/2008	BQL	1.9	95	0.36J	BQL	2.9J	**13**	1.1	BQL	BQL	16J	0.63J	BQL	**0.41J**	BQL	9.9J
	9/23/2008	BQL	**26**	66	BQL	BQL	2.1J	**13**	2.7	2.4J	BQL	BQL	1.5	BQL	BQL	**10J**	6.1J
	3/13/2009	BQL	**43**	87	1J	BQL	33	**20**	BQL	5.7	BQL	BQL	BQL	BQL	BQL	**32**	18J
	9/17/2009	**1.2**	**200**	250	**6**	1.2	**190**	**270**	77	**84**	BQL	22	12	BQL	**1.8**	**200**	170
	3/23/2010	BQL	**110**	100	**1.6**	BQL	BQL	**29**	BQL	**28**	BQL	BQL	34	BQL	BQL	BQL	15
	9/15/2010	0.34 J	**51**	120	BQL	BQL	BQL	**82**	1.5 J	5.4	BQL	29	1.2	BQL	BQL	BQL	8.8 J
	3/11/2011	BQL	**100**	110	BQL	BQL	3.5J	**34**	BQL	4.8J	BQL	BQL	**22**	BQL	BQL	**5.4J**	BQL
	9/15/2011	0.85	**130**	150	1.4	0.82	**66**	**84**	15	**26**	BQL	30	**2.2**	BQL	**0.68J**	**71**	38
	*3/16/2012	BQL	0.68 J	95	BQL	BQL	BQL	**22**	0.6 J	BQL	BQL	13 J	0.96 J	4.8 J	BQL	BQL	3.3 J
	3/16/2012	BQL	**21**	120	BQL	BQL	BQL	**26**	BQL	BQL	BQL	9.7 J	BQL	BQL	BQL	BQL	12 J
	9/12/2012	BQL	**62**	BQL	BQL	BQL	BQL	**9.6J**	BQL	BQL	BQL	BQL	BQL	BQL	0.27J	BQL	BQL
	3/14/2013	BQL	**92**	100	0.14 J	BQL	BQL	**14**	BQL	BQL	BQL	BQL	1.2	BQL	BQL	BQL	3.4 J
	9/12/2013	BQL	**170**	130	0.3	BQL	BQL	**12**	1.6	BQL	BQL	14	1.4	BQL	BQL	BQL	BQL
	3/4/2014	BQL	**130**	120	BQL	BQL	2.2J	**13**	BQL	1.3	0.064J	12J	0.89J	BQL	BQL	BQL	BQL
	9/9/2014	0.21 J	**150**	140	0.21 J	BQL	2 J	**12**	BQL	BQL	0.054	7.2 J	1.5	BQL	BQL	0.18 J	3.2 J
	3/17/2015	BQL	**190**	160	BQL	2	2.7J	**13**	BQL	BQL	BQL	16J	BQL	BQL	BQL	BQL	BQL
	9/29/2015	BQL	**225**	148	BQL	BQL	2.06J	**9.79J**	1.03J	BQL	BQL	7.98J	BQL	BQL	BQL	3.54	4.38J
	3/18/2016	BQL	**192**	156	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

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WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-8	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2002	BQL	**10.7**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/17/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	**79**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	BQL	21	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	78
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	BQL	BQL	18	0.24J	BQL	BQL	1.2J	BQL	BQL	BQL	BQL	0.52J	BQL	0.18J	BQL	3.4J
	9/23/2008	BQL	BQL	19	BQL	BQL	BQL	BQL	0.96J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/13/2009	BQL	BQL	19	BQL	BQL	BQL	BQL	BQL	4.4J,P	BQL	BQL	9.9J,P	BQL	BQL	BQL	BQL
	9/17/2009	BQL	0.61J	22	BQL	0.61	7.2J	BQL	0.76J	BQL	BQL	BQL	BQL	BQL	BQL	**4.5J**	4J
	3/23/2010	BQL	BQL	21	1.8	BQL	1.9	**2.1**	BQL	BQL	BQL	8.1	32	3.5	BQL	**2.3**	22
	9/15/2010	BQL	BQL	19	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/11/2011	BQL	0.36J	20	BQL	0.37J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.21J	BQL	BQL
	9/15/2011	0.26J	0.81J	20	0.16J	0.31J	BQL	BQL	0.61J	BQL	BQL	BQL	0.51J	BQL	**0.3J**	BQL	2.6J
	3/16/2012	BQL	BQL	27	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.4 J	BQL	BQL	BQL	BQL
	9/12/2012	BQL	BQL	18	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.22J	BQL	BQL
	3/14/2013	BQL	BQL	18	0.16 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2013	BQL	BQL	19	0.14	BQL	BQL	BQL	BQL	0.24	BQL	BQL	0.45	BQL	BQL	BQL	BQL
	3/4/2014	BQL	BQL	19	BQL	BQL	1.8J	BQL	BQL	0.65J	0.062J	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2014	BQL	BQL	21	0.21 J	BQL	BQL	BQL	BQL	BQL	0.05 J	BQL	BQL	BQL	BQL	BQL	3 J
	3/17/2015	BQL	0.8J	22	BQL	BQL	BQL	BQL	0.8J	BQL	BQL	6.9J	BQL	BQL	BQL	BQL	BQL
	9/29/2015	BQL	0.6J	19.1	BQL	BQL	1.43J	BQL	0.809J	0.357J	BQL	BQL	BQL	BQL	BQL	2.65J	3.73J
	3/18/2016	BQL	BQL	19.7	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

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WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
MW-9	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/14/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/17/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/7/2006	BQL	BQL	18	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	BQL	BQL	15	0.34J	BQL	2.4J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.19J	BQL	4J
	9/23/2008	BQL	0.24J	20	BQL	BQL	BQL	BQL	0.72J	2.2J	BQL	BQL	BQL	BQL	BQL	BQL	3.5J
	3/13/2009	**12J**	0.42J	32	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**2.2J**	BQL
	9/17/2009	0.34J	5.8	95	**4.7**	0.91	**76**	**14**	4.8	14	BQL	16J	2.3	BQL	0.26J	**56**	44
	3/23/2010	BQL	BQL	52	**1.9**	BQL	BQL	**2.3**	BQL	BQL	BQL	11	10	3.4	BQL	BQL	10
	9/15/2010	BQL	BQL	58	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.2 J
	3/11/2011	BQL	BQL	50	BQL	BQL	2.2J	BQL	BQL	BQL	BQL	BQL	6.5J	BQL	BQL	**2.2J**	BQL
	9/15/2011	0.27J	0.92J	56	0.29J	0.26J	BQL	BQL	0.86J	BQL	BQL	BQL	0.61J	BQL	**0.33J**	BQL	3.4J
	3/16/2012	BQL	BQL	65	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2012	BQL	0.51J	57	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.25J	BQL	4.1J
	3/14/2013	BQL	BQL	52	0.35 J	BQL	2 J	BQL	BQL	0.51 J	BQL	BQL	BQL	BQL	BQL	BQL	4.9 J
	9/12/2013	BQL	0.26	59	0.26	BQL	BQL	BQL	0.62	0.6	BQL	BQL	0.82	4.9	BQL	BQL	3.9
	3/4/2014	BQL	0.31J	40	BQL	BQL	1.6J	BQL	BQL	0.85J	BQL	BQL	BQL	BQL	BQL	BQL	5J
	9/9/2014	BQL	BQL	37	0.33 J	0.2 J	1.5 J	BQL	BQL	0.71 J	0.052J	BQL	0.5 J	BQL	BQL	**0.43 J**	3.7 J
	3/17/2015	BQL	BQL	27	BQL	BQL	BQL	BQL	BQL	0.45J	BQL	BQL	0.4J	BQL	BQL	BQL	4J
	9/29/2015	BQL	0.692J	21.8	BQL	BQL	BQL	BQL	1.09J	0.785J	BQL	BQL	0.592J	BQL	BQL	6.37J	6.68J
	3/18/2016	BQL	BQL	24	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**
MW-10 SGS	9/15/2011	**1.4**	**49**	140	2.8	1.9	**270**	**10**	25	**22**	0.03	84	7	BQL	**0.97**	**170**	160
	9/30/2011	0.24	BQL	BQL	BQL	BQL	2.94	BQL	0.82	BQL	BQL	BQL	0.62	BQL	BQL	**3.8**	5.64
	*9/30/2011	0.16	BQL	23.5	BQL	BQL	1.63	BQL	1.02	6.8	BQL	BQL	0.68	BQL	BQL	**7.86**	4.04
ESC	9/30/2011	0.25J	1.1	29	0.34J	BQL	BQL	BQL	1J,P1	0.47J,	BQL	BQL	0.65J	BQL	BQL	BQL	BQL
	*9/30/2011	BQL	0.85	30	BQL	**3**	BQL	BQL	4	2.9	BQL	8	BQL	BQL	BQL	BQL	BQL
	*3/16/2012	BQL	BQL	22	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.5 J	BQL	BQL	BQL
	3/16/2012	BQL	0.72 J	28	BQL	BQL	BQL	BQL	BQL	2.6 J	BQL	BQL	BQL	BQL	BQL	BQL	10 J
	9/12/2012	BQL	1.2	22	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.23J	**4.1J,P1**	BQL
	3/14/2013	BQL	0.59 J	20	0.16 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.42 J	BQL	BQL	**7.4 J**	4.6 J
	9/12/2013	BQL	1.3	23	0.33	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.59	BQL	BQL	BQL	4.3
	3/4/2014	BQL	0.55J	20	BQL	BQL	2.5J	BQL	BQL	0.86J	BQL	BQL	BQL	BQL	BQL	BQL	2.8J
	9/9/2014	BQL	0.91 J	21	0.2 J	BQL	2 J	BQL	0.74 J	BQL	0.05 J	BQL	0.47 J	BQL	BQL	BQL	3.6 J
	3/17/2015	BQL	0.35J	17	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/29/2015	BQL	0.586J	21.9	BQL	BQL	1.63J	BQL	0.916J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.08J
	3/18/2016	BQL	2.48	22.5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

TABLE 4
HISTORICAL SUMMARY OF DETECTED METALS SINCE 2000
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA
AMEC FOSTER WHEELER PROJECT NO. 6550-14-4080

WELL ID	DATE SAMPLED	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	VANADIUM	ZINC
DUP	3/22/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/9/2000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/8/2001	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/6/2001	BQL	BQL	BQL	**8.7**	**3.5**	**10.4**	BQL	BQL	10.8	BQL	BQL	BQL	BQL	BQL	BQL	53.4
	3/8/2002	BQL	**20.1**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/13/2002	BQL	**28.1**	BQL	**9.2**	**2.3**	**14.7**	**11.1**	BQL	11.1	BQL	BQL	BQL	BQL	BQL	BQL	64.4
	3/14/2003	BQL	BQL	BQL	BQL	**3.7**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/10/2003	BQL	**14**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/19/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/17/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/22/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/23/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/2/2006	BQL	**43**	BQL	BQL	1.4	**51**	BQL	BQL	14	BQL	BQL	BQL	BQL	BQL	BQL	59
	9/7/2006	BQL	**16**	120	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/9/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	9/12/2007	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
	3/12/2008	0.4J	**43**	180	1	BQL	**16**	**3.3J**	14	8.4	BQL	25	4.4	BQL	**0.3J**	**31**	20
	9/23/2008	0.3J	**14**	67	1.1	BQL	7.9J	**3.1J**	9.2	11	BQL	BQL	9.4	BQL	**1.1**	**16**	41 J,O
	3/13/2009	BQL	**42**	100	0.97J	BQL	**18**	**3.5J**	8.4J	**16**	BQL	BQL	BQL	BQL	BQL	**38**	290
	9/17/2009	0.49J	**35**	120	**4**	1.2	**95**	**12**	26	**56**	BQL	39	**25**	BQL	**0.39J**	**87**	110
	3/23/2010	BQL	5	55	2.2	BQL	BQL	**2**	BQL	**20**	BQL	14	BQL	BQL	BQL	BQL	BQL
	9/15/2010	BQL	3	41	0.46 J	BQL	BQL	**1.9 J**	4.2	8.9	0.1 J	BQL	12	BQL	BQL	BQL	7.7 J
	3/11/2011	BQL	3	58	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	9.5J	BQL	BQL	**3.3J**	BQL
	9/15/2011	0.52	**16**	59	1.7	0.46	**34**	**5.9**	7.8	2.1	0.09	12	6.4	BQL	**0.48**	**20**	34
	3/16/2012	BQL	9.6	52	BQL	0.74	9.1 J	BQL	BQL	4.6 J	BQL	BQL	BQL	14	BQL	**5.8 J**	19 J
	9/12/2012	BQL	9.9	53	BQL	BQL	4.6J	BQL	3	BQL	0.03J	BQL	1.8	BQL	**0.4J**	**5J**	21
	3/14/2013	BQL	88	100	0.16 J	BQL	BQL	15	BQL	BQL	BQL	BQL	1	BQL	BQL	BQL	2.7 J
	9/12/2013	BQL	7.4	46	0.65	BQL	BQL	BQL	2.1	2.8	0.079	BQL	2.5	BQL	BQL	BQL	7.4
	3/4/2014	BQL	**13**	57	BQL	BQL	**13**	**2.4J**	4	7.2	0.16J	6.8J	2.8	BQL	BQL	**10**	22
	9/9/2014	0.23 J	10	82	1	0.26 J	6.4 J	2.3 J	BQL	5.6	0.12 J	BQL	4.2 J	BQL	BQL	**5.3 J**	15 J
	3/17/2015	BQL	1.4J	73	0.15J	0.28J	2.8J	BQL	1.6J	1J	BQL	7.8J	0.72J	BQL	BQL	BQL	4.9J
	9/29/2015	BQL	1.24J	12.7	BQL	BQL	BQL	BQL	2.05J	0.455J	BQL	BQL	0.468J	BQL	BQL	BQL	5.32J
	3/18/2016	BQL	2.93	61.8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
***2L & GWP Standards**		**1**	**10**	**700**	**4**	**2**	**10**	**1**	**1000**	**15**	**1**	**100**	**20**	**20**	**0.28**	**0.3**	**1000**

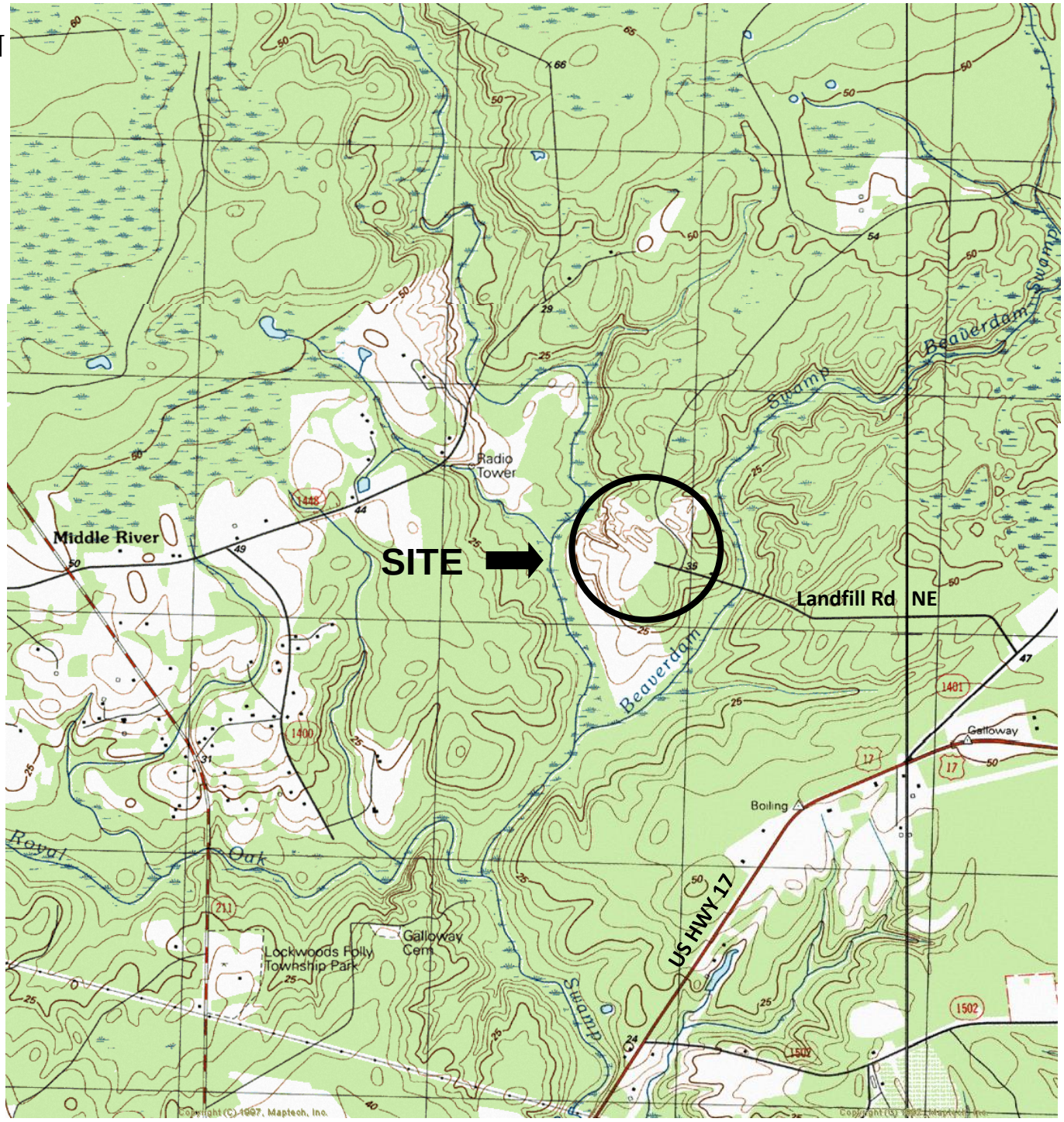
Notes:
Concentrations are reported in ug/L (micrograms per liter)
2L & GWP Standard - 15A NCAC 2L Ground-Water Standards & Solid Waste Sections Ground-Water Protection Standards updated 6/13/2011
***15A NCAC 2L Groundwater Standards update effective April 1, 2013**
Bold values indicate concentrations in excess of N.C. Ground-Water Standards or Groundwater Protection Standards
DUP - Duplicate sample - the duplicate samples were collected from well MW-6 from 3/2000 to 3/2015, with the exception for 3/2013 - sample was collected from well MW-7R.
BQL - Below Quantation Limits
J - (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

P1 - RPD value not applicable for sample concentrations less than 5 times the reporting limit.
J1 - Surrogate recovery limits have been exceeded; values are outside upper control limits
J6 - The sample matrix interfered with the ability to make any accurate determination; spike value is low
O - (ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination.
The detection limit is elevated in order to reflect the necessary dilution.
*** - Indicates sample was filtered by the laboratory**

Revised by: WJM 4/5/16
Checked by: BWJ 4/22/16

P:\Projects\CLIENTS\Brunswick Landfill\CHEMDATA\2015\March\Table 4 3-2016.xlsx

FIGURES



Contour Interval = 5 ft

0 2000' 4000'

APPROX. SCALE IN FEET

amec foster wheeler

SITE VICINITY MAP

BRUNSWICK COUNTY LANDFILL

BRUNSWICK COUNTY, NORTH CAROLINA

REF: USGS TOPOQUAD, SUPPLY, 1990

DRAWN: WBM	SCALE: AS SHOWN
APPROVAL: BWJ	DATE: 10/6/2015
JOB #: 6550-15-0020	FIG. NO. 1

LEGEND

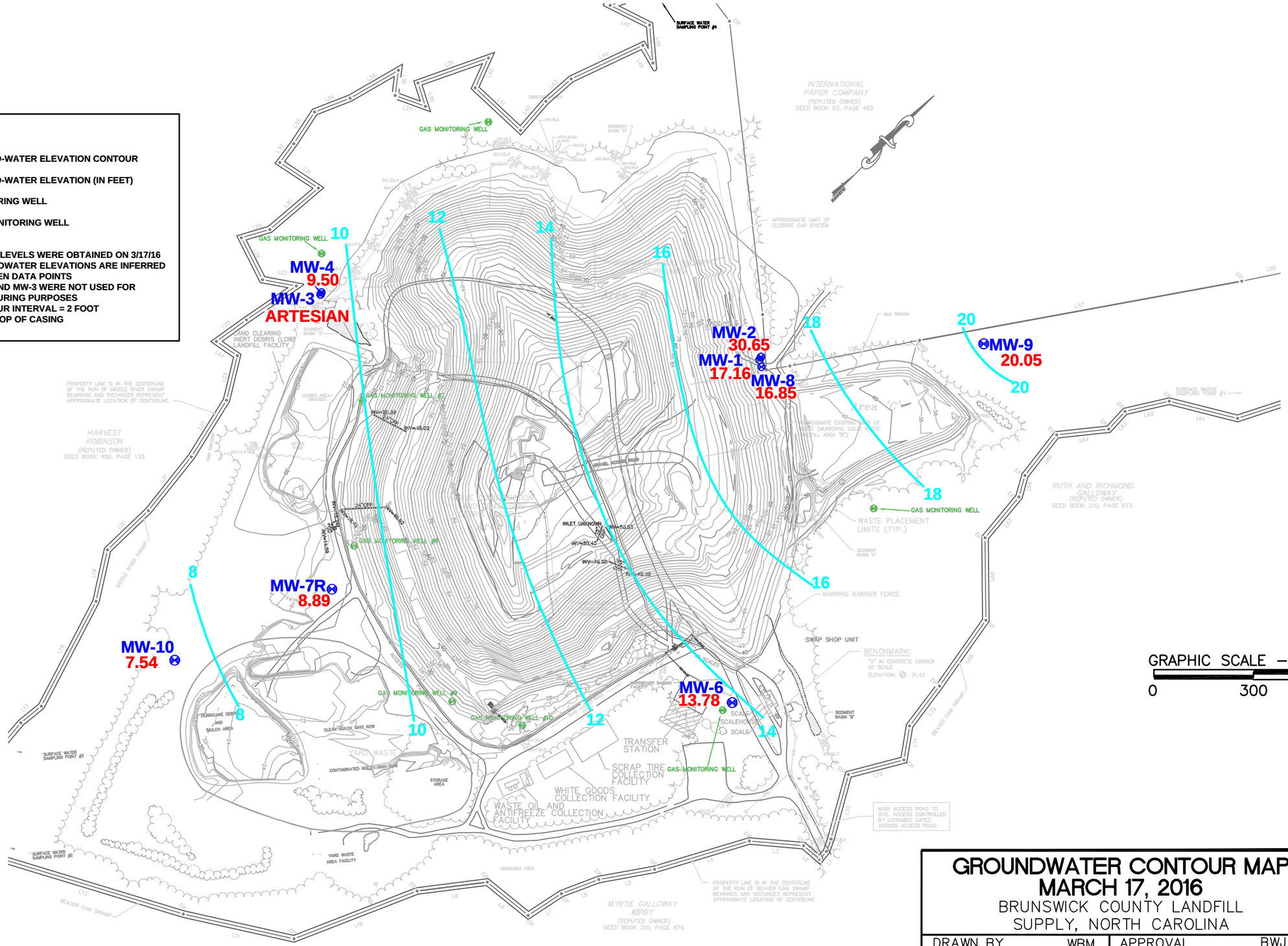
10 — GROUND-WATER ELEVATION CONTOUR

9.26 — GROUND-WATER ELEVATION (IN FEET)

MW-9 — MONITORING WELL

GAS MONITORING WELL — GAS MONITORING WELL

NOTES:
- -WATER LEVELS WERE OBTAINED ON 3/17/16
- -GROUNDWATER ELEVATIONS ARE INFERRED BETWEEN DATA POINTS
- -MW-2 AND MW-3 WERE NOT USED FOR CONTOURING PURPOSES
- -CONTOUR INTERVAL = 2 FOOT
- -TOC = TOP OF CASING



GROUNDWATER CONTOUR MAP
MARCH 17, 2016
BRUNSWICK COUNTY LANDFILL
SUPPLY, NORTH CAROLINA

DRAWN BY	WBM	APPROVAL	BWJ
DATE	3/29/16	JOB NO. 6550-15-0020	
SCALE	AS SHOWN	FIGURE	2

amec foster wheeler

APPENDIX A

FIELD SAMPLING REPORTS

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-1** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1050**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **~Clear, ~Cloudy**
TOTAL WELL DEPTH (FT): **32.20** DEPTH TO WATER (FT): **24.85**
ONE WELL PURGE VOLUME: **1.25** GAL
VOLUME OF WATER PURGED: **3.7** GAL
PURGE DATE: **3/17/2016** START TIME: **1134** END TIME: **1141**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**6.34**	**6.35**	**6.31**	**6.55**
TEMP. (ºC)	"	**23.90**	**22.70**	**22.50**	**20.5**
SPEC. COND (mS/cm	"	**419.2**	**577**	**612**	**407.9**
TIME	-	**1134**	**1138**	**1141**	**1050**
Turbidity (ntu)	-	**329**	**526**	**764**	**78.1**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES** **NA = Not Applicable**
COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.
Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-2** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1035**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Clear**
TOTAL WELL DEPTH (FT): **19.57** DEPTH TO WATER (FT): **12.22**
ONE WELL PURGE VOLUME: **1.25** GAL
VOLUME OF WATER PURGED: **3.7** GAL
PURGE DATE: **3/17/2016** START TIME: **1105** END TIME: **1111**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**6.89**	**6.89**	**6.77**	**7.02**
TEMP. (ºC)	"	**24.20**	**20.60**	**19.90**	**19.6**
SPEC. COND (mS/cm	"	**1245**	**1220**	**1134**	**1144**
TIME	-	**1105**	**1107**	**1111**	**1035**
Turbidity (ntu)	-	**609**	**333**	**677**	**39.9**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-3** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1200**
SAMPLER TYPE & MATERIAL: **FAUCET INSTALLED @ TOC (Well is artesian)**
SAMPLE DESCRIPTION: **Clear**
TOTAL WELL DEPTH (FT): **NA** DEPTH TO WATER (FT): **TOC**
ONE WELL PURGE VOLUME: **NA** GAL
VOLUME OF WATER PURGED: **NA** GAL
PURGE DATE: **3/17/2016** START TIME: **1150** END TIME: **1155**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS				**8.19**
TEMP. (ºC)	"				**21**
SPEC. COND (mS/cm	"				**293.9**
TIME	-				**1200**
Turbidity (ntu)	-				**0.87**
DATE	-				**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-4** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1205**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Light cloudy**
TOTAL WELL DEPTH (FT): **19.75** DEPTH TO WATER (FT): **9.00**
ONE WELL PURGE VOLUME: **1.83** GAL
VOLUME OF WATER PURGED: **5.5** GAL
PURGE DATE: **3/17/2016** START TIME: **1340** END TIME: **1345**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**7.50**	**7.02**	**6.68**	**7.70**
TEMP. (ºC)	"	**21.10**	**19.20**	**17.60**	**18.00**
SPEC. COND (mS/cm	"	**314.9**	**314.8**	**315.3**	**258.0**
TIME	-	**1340**	**1343**	**1345**	**1205**
Turbidity (ntu)	-	**112**	**144**	**157**	**18.3**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-6** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1230**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Orange, slightly cloudy**
TOTAL WELL DEPTH (FT): **32.12** DEPTH TO WATER (FT): **16.82**
ONE WELL PURGE VOLUME: **2.60** GAL
VOLUME OF WATER PURGED: **7.8** GAL
PURGE DATE: **3/17/2016** START TIME: **1400** END TIME: **1405**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**5.87**	**5.84**	**5.69**	**6.05**
TEMP. (ºC)	"	**23.70**	**20.90**	**20.60**	**24.85**
SPEC. COND (mS/cm	"	**326**	**310.4**	**325.8**	**346.5**
TIME	-	**1400**	**1403**	**1405**	**1230**
Turbidity (ntu)	-	**157**	**223**	**250**	**18.3**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-7R** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1125**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Clear, ~Cloudy**
TOTAL WELL DEPTH (FT): **21.50** DEPTH TO WATER (FT): **12.99**
ONE WELL PURGE VOLUME: **1.45** GAL
VOLUME OF WATER PURGED: **4.3** GAL
PURGE DATE: **3/17/2016** START TIME: **1243** END TIME: **1249**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**6.97**	**6.80**	**6.83**	**6.76**
TEMP. (ºC)	"	**21.70**	**19.70**	**19.30**	**20.00**
SPEC. COND (mS/cm	"	**1128**	**1189**	**1074**	**1047**
TIME	-	**1243**	**1247**	**1249**	**1125**
Turbidity (ntu)	-	**170**	**176**	**153**	**30**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLL Kim Charles-Smit **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES** **NA = Not Applicable**
COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.
Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-8** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1100**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Clear**
TOTAL WELL DEPTH (FT): **55.00** DEPTH TO WATER (FT): **25.19**
ONE WELL PURGE VOLUME: **5.07** GAL
VOLUME OF WATER PURGED: **15.2** GAL
PURGE DATE: **3/17/2016** START TIME: **1154** END TIME: **1207**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**7.47**	**7.66**	**7.84**	**7.30**
TEMP. (ºC)	"	**24.80**	**22.60**	**22.80**	**20**
SPEC. COND (mS/cm	"	**322.7**	**310.3**	**317.7**	**302.8**
TIME	-	**1154**	**1200**	**1207**	**1100**
Turbidity (ntu)	-	**53**	**159**	**157**	**32.7**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-9** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1110**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Clear**
TOTAL WELL DEPTH (FT): **29.29** DEPTH TO WATER (FT): **11.56**
ONE WELL PURGE VOLUME: **3.01** GAL
VOLUME OF WATER PURGED: **9.0** GAL
PURGE DATE: **3/17/2016** START TIME: **1224** END TIME: **1229**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**8.44**	**8.16**	**7.82**	**7.83**
TEMP. (ºC)	"	**20.30**	**18.80**	**19.10**	**16.8**
SPEC. COND (mS/cm	"	**132.2**	**184.2**	**245**	**150.1**
TIME	-	**1224**	**1226**	**1229**	**1110**
Turbidity (ntu)	-	**140**	**427**	**NM**	**5.67**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **MW-10** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1135**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Gray, cloudy**
TOTAL WELL DEPTH (FT): **25.00** DEPTH TO WATER (FT): **5.79**
ONE WELL PURGE VOLUME: **3.27** GAL
VOLUME OF WATER PURGED: **9.8** GAL
PURGE DATE: **3/17/2016** START TIME: **1302** END TIME: **1318**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS	**7.69**	**7.70**	**7.63**	**7.83**
TEMP. (ºC)	"	**22.20**	**22.50**	**18.40**	**18.7**
SPEC. COND (mS/cm	"	**488**	**384.5**	**528**	**421.4**
TIME	-	**1302**	**1315**	**1318**	**1135**
Turbidity (ntu)	-	**955**	**1000+**	**1000+**	**117**
DATE	-	**3/17/2016**	**3/17/2016**	**3/17/2016**	**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **Duplicate - MW-6** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1230**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Orange, cloudy**
TOTAL WELL DEPTH (FT): **29.29** DEPTH TO WATER (FT): **16.82**
ONE WELL PURGE VOLUME: **2.12** GAL
VOLUME OF WATER PURGED: **6.4** GAL
PURGE DATE: **3/17/2016** START TIME: **1400** END TIME: **1405**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS				**6.05**
TEMP. (ºC)	"				**24.8**
SPEC. COND (mS/cm	"				**346.5**
TIME	-				**1230**
Turbidity (ntu)	-				**18.3**
DATE	-				**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD. SAMPLE TAKEN AT MW-6

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

FIELD SAMPLING REPORT	amec foster wheeler	JOB NAME:	BRUNSWICK CO. LANDFILL
		JOB NUMBER:	6550150020

SAMPLING INFORMATION

SOIL SAMPLING DATA

SAMPLE ID NUMBER: **NA** HAZARDOUS: YES NO UNKNOWN
SAMPLING DATE / TIME: **NA** / **NA**
SAMPLER TYPE & MATERIAL: **NA**
SAMPLE DESCRIPTION: **NA**

WELL SAMPLING DATA

SAMPLE ID NUMBER: **Rinsate** HAZARDOUS: YES **NO** UNKNOWN
SAMPLING DATE / TIME: **3/18/16 - 1140**
SAMPLER TYPE & MATERIAL: **Teflon Bailer and poly line for purging and sampling**
SAMPLE DESCRIPTION: **Clear**
TOTAL WELL DEPTH (FT): **NA** DEPTH TO WATER (FT): **NA**
ONE WELL PURGE VOLUME: **NA** GAL
VOLUME OF WATER PURGED: **NA** GAL
PURGE DATE: **NA** START TIME: **NA** END TIME: **NA**

LABORATORY CONTAINER INFORMATION

CONTAINER TYPE	CONTAINER VOLUME	NUMBER	PRESERVATIVE /PREPARATION	FILTERING	COMMENTS
AMBER GLASS	**40 mL**	**2**	**HCL**	**NONE**	**8260 AP1, THF**
PLASTIC	**500 mL**	**1**	**HNO_3**	**NONE**	**METALS AP1**

FIELD MEASUREMENTS

PARAMETER	EQUIP ID	1st READING	2nd READING	3rd READING	SAMPLE READING
pH (STD units)	YSI 556 MPS				**8.75**
TEMP. (ºC)	"				**22.4**
SPEC. COND (mS/cm	"				**19.5**
TIME	-				**1140**
Turbidity (ntu)	-				**0.83**
DATE	-				**3/18/2016**

GENERAL INFORMATION WEATHER: **Sunny** AIR TEMP (ºF): **70**
SAMPLES COLLECTED BY: **WJM & CS**
SPECIAL HANDLING: **PACKAGED ON ICE**
MODE OF SHIPMENT: **FED EX TO ESC LABORATORIES**

NA = Not Applicable

COMMENTS (CALIBRATION, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS):
YSI INSTRUMENT CALIBRATED 3/17/16 AND 3/18/16 PRIOR TO PURGING AND SAMPLING USING AUTO CALIBRATION METHOD.

Prepared By: WJ Mabie 3/23/16 Checked By: C Smillie 4/22/16

APPENDIX B

RESULTS OF CHEMICAL ANALYSES

ANALYTICAL REPORT

March 28, 2016

AMEC - Wilmington, NC

Sample Delivery Group:	L824488
Samples Received:	03/19/2016
Project Number:	6550-15-0020
Description:	Brunswick County Landfill
Report To:	Bill Mabie/Walker Jones 5710 Oleander Drive, Suite 110 Wilmington, NC 28403

Entire Report Reviewed By:

Jimmy Hunt
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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2 Tc
3 Ss
4 Cn
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MW-1 L824488-01 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 10:50 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 17:41	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:06	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 21:44	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 15:57	03/26/16 15:57	JHH

MW-2 L824488-02 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 10:35 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 17:44	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:10	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 21:46	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 16:18	03/26/16 16:18	JHH

MW-3 L824488-03 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 12:00 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 17:47	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:13	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:22	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 16:40	03/26/16 16:40	JHH

MW-4 L824488-04 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 12:05 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 17:50	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:22	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:25	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 17:01	03/26/16 17:01	JHH

MW-6 L824488-05 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 12:30 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 17:59	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:25	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:27	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 17:22	03/26/16 17:22	JHH

MW-7R L824488-06 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 11:25 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 18:02	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:28	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:29	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 17:44	03/26/16 17:44	JHH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-8 L824488-07 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 11:00 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 18:05	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 21:55	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:32	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 18:06	03/26/16 18:06	JHH

MW-9 L824488-08 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 11:10 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 18:08	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:31	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:34	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 18:27	03/26/16 18:27	JHH

MW-10 L824488-09 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 11:35 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 18:17	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:34	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:36	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 18:49	03/26/16 18:49	JHH

RINSATE L824488-10 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 11:40 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 18:20	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:37	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:39	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 19:10	03/26/16 19:10	JHH

DUPLICATE L824488-11 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 12:35 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG858555	1	03/23/16 11:44	03/23/16 18:23	TRB
Metals (ICP) by Method 6010C	WG858118	1	03/22/16 09:55	03/22/16 22:40	CCE
Metals (ICPMS) by Method 6020	WG857893	1	03/21/16 14:24	03/23/16 22:41	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 19:32	03/26/16 19:32	JHH

TRIP BLANK L824488-12 GW

Collected by: Carolyn Smillie | Collected date/time: 03/18/16 00:00 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG858564	1	03/26/16 14:52	03/26/16 14:52	JHH

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jimmy Hunt
Technical Service Representative

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 17:41	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	153		5.00	1	03/22/2016 22:06	WG858118
Chromium	ND		10.0	1	03/22/2016 22:06	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:06	WG858118
Nickel	ND		10.0	1	03/22/2016 22:06	WG858118
Silver	ND		5.00	1	03/22/2016 22:06	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:06	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 21:44	WG857893
Arsenic	ND		2.00	1	03/23/2016 21:44	WG857893
Beryllium	ND		2.00	1	03/23/2016 21:44	WG857893
Cadmium	ND		1.00	1	03/23/2016 21:44	WG857893
Copper	ND		5.00	1	03/23/2016 21:44	WG857893
Lead	ND		2.00	1	03/23/2016 21:44	WG857893
Selenium	ND		2.00	1	03/23/2016 21:44	WG857893
Thallium	ND		2.00	1	03/23/2016 21:44	WG857893
Zinc	ND		25.0	1	03/23/2016 21:44	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 15:57	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 15:57	WG858564
Benzene	ND		1.00	1	03/26/2016 15:57	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 15:57	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 15:57	WG858564
Bromoform	ND		1.00	1	03/26/2016 15:57	WG858564
Bromomethane	ND		5.00	1	03/26/2016 15:57	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 15:57	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 15:57	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 15:57	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 15:57	WG858564
Chloroethane	ND		5.00	1	03/26/2016 15:57	WG858564
Chloroform	ND		5.00	1	03/26/2016 15:57	WG858564
Chloromethane	ND		2.50	1	03/26/2016 15:57	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 15:57	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 15:57	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 15:57	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 15:57	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 15:57	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 15:57	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 15:57	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 15:57	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 15:57	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 15:57	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 15:57	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 15:57	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 15:57	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 15:57	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 15:57	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 15:57	WG858564
Iodomethane	ND		10.0	1	03/26/2016 15:57	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 15:57	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 15:57	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 15:57	WG858564
Styrene	ND		1.00	1	03/26/2016 15:57	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 15:57	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 15:57	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 15:57	WG858564
Toluene	ND		5.00	1	03/26/2016 15:57	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 15:57	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 15:57	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 15:57	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 15:57	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 15:57	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 15:57	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 15:57	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 15:57	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 15:57	WG858564
(S) Toluene-d8	*103*		*90.0-115*		*03/26/2016 15:57*	WG858564
(S) Dibromofluoromethane	*99.4*		*79.0-121*		*03/26/2016 15:57*	WG858564
(S) 4-Bromofluorobenzene	*88.0*		*80.1-120*		*03/26/2016 15:57*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 17:44	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	139		5.00	1	03/22/2016 22:10	WG858118
Chromium	ND		10.0	1	03/22/2016 22:10	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:10	WG858118
Nickel	ND		10.0	1	03/22/2016 22:10	WG858118
Silver	ND		5.00	1	03/22/2016 22:10	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:10	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 21:46	WG857893
Arsenic	9.47		2.00	1	03/23/2016 21:46	WG857893
Beryllium	ND		2.00	1	03/23/2016 21:46	WG857893
Cadmium	ND		1.00	1	03/23/2016 21:46	WG857893
Copper	ND		5.00	1	03/23/2016 21:46	WG857893
Lead	ND		2.00	1	03/23/2016 21:46	WG857893
Selenium	ND		2.00	1	03/23/2016 21:46	WG857893
Thallium	ND		2.00	1	03/23/2016 21:46	WG857893
Zinc	ND		25.0	1	03/23/2016 21:46	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 16:18	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 16:18	WG858564
Benzene	ND		1.00	1	03/26/2016 16:18	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 16:18	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 16:18	WG858564
Bromoform	ND		1.00	1	03/26/2016 16:18	WG858564
Bromomethane	ND		5.00	1	03/26/2016 16:18	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 16:18	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 16:18	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 16:18	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 16:18	WG858564
Chloroethane	ND		5.00	1	03/26/2016 16:18	WG858564
Chloroform	ND		5.00	1	03/26/2016 16:18	WG858564
Chloromethane	ND		2.50	1	03/26/2016 16:18	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 16:18	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 16:18	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 16:18	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 16:18	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 16:18	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 16:18	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 16:18	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 16:18	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 16:18	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 16:18	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 16:18	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 16:18	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 16:18	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 16:18	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 16:18	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 16:18	WG858564
Iodomethane	ND		10.0	1	03/26/2016 16:18	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 16:18	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 16:18	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 16:18	WG858564
Styrene	ND		1.00	1	03/26/2016 16:18	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 16:18	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 16:18	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 16:18	WG858564
Toluene	ND		5.00	1	03/26/2016 16:18	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 16:18	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 16:18	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 16:18	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 16:18	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 16:18	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 16:18	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 16:18	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 16:18	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 16:18	WG858564
(S) Toluene-d8	*102*		*90.0-115*		*03/26/2016 16:18*	WG858564
(S) Dibromofluoromethane	*103*		*79.0-121*		*03/26/2016 16:18*	WG858564
(S) 4-Bromofluorobenzene	*88.7*		*80.1-120*		*03/26/2016 16:18*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 17:47	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	24.3		5.00	1	03/22/2016 22:13	WG858118
Chromium	ND		10.0	1	03/22/2016 22:13	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:13	WG858118
Nickel	ND		10.0	1	03/22/2016 22:13	WG858118
Silver	ND		5.00	1	03/22/2016 22:13	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:13	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:22	WG857893
Arsenic	ND		2.00	1	03/23/2016 22:22	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:22	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:22	WG857893
Copper	ND		5.00	1	03/23/2016 22:22	WG857893
Lead	ND		2.00	1	03/23/2016 22:22	WG857893
Selenium	ND		2.00	1	03/23/2016 22:22	WG857893
Thallium	ND		2.00	1	03/23/2016 22:22	WG857893
Zinc	ND		25.0	1	03/23/2016 22:22	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 16:40	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 16:40	WG858564
Benzene	ND		1.00	1	03/26/2016 16:40	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 16:40	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 16:40	WG858564
Bromoform	ND		1.00	1	03/26/2016 16:40	WG858564
Bromomethane	ND		5.00	1	03/26/2016 16:40	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 16:40	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 16:40	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 16:40	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 16:40	WG858564
Chloroethane	ND		5.00	1	03/26/2016 16:40	WG858564
Chloroform	ND		5.00	1	03/26/2016 16:40	WG858564
Chloromethane	ND		2.50	1	03/26/2016 16:40	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 16:40	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 16:40	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 16:40	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 16:40	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 16:40	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 16:40	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 16:40	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 16:40	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 16:40	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 16:40	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 16:40	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 16:40	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 16:40	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 16:40	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 16:40	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 16:40	WG858564
Iodomethane	ND		10.0	1	03/26/2016 16:40	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 16:40	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 16:40	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 16:40	WG858564
Styrene	ND		1.00	1	03/26/2016 16:40	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 16:40	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 16:40	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 16:40	WG858564
Toluene	ND		5.00	1	03/26/2016 16:40	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 16:40	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 16:40	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 16:40	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 16:40	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 16:40	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 16:40	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 16:40	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 16:40	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 16:40	WG858564
(S) Toluene-d8	*102*		*90.0-115*		*03/26/2016 16:40*	WG858564
(S) Dibromofluoromethane	*101*		*79.0-121*		*03/26/2016 16:40*	WG858564
(S) 4-Bromofluorobenzene	*88.7*		*80.1-120*		*03/26/2016 16:40*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 17:50	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	132		5.00	1	03/22/2016 22:22	WG858118
Chromium	ND		10.0	1	03/22/2016 22:22	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:22	WG858118
Nickel	ND		10.0	1	03/22/2016 22:22	WG858118
Silver	ND		5.00	1	03/22/2016 22:22	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:22	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:25	WG857893
Arsenic	4.65		2.00	1	03/23/2016 22:25	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:25	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:25	WG857893
Copper	ND		5.00	1	03/23/2016 22:25	WG857893
Lead	ND		2.00	1	03/23/2016 22:25	WG857893
Selenium	ND		2.00	1	03/23/2016 22:25	WG857893
Thallium	ND		2.00	1	03/23/2016 22:25	WG857893
Zinc	ND		25.0	1	03/23/2016 22:25	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 17:01	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 17:01	WG858564
Benzene	ND		1.00	1	03/26/2016 17:01	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 17:01	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 17:01	WG858564
Bromoform	ND		1.00	1	03/26/2016 17:01	WG858564
Bromomethane	ND		5.00	1	03/26/2016 17:01	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 17:01	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 17:01	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 17:01	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 17:01	WG858564
Chloroethane	ND		5.00	1	03/26/2016 17:01	WG858564
Chloroform	ND		5.00	1	03/26/2016 17:01	WG858564
Chloromethane	ND		2.50	1	03/26/2016 17:01	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 17:01	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 17:01	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 17:01	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 17:01	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 17:01	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 17:01	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 17:01	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 17:01	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 17:01	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 17:01	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 17:01	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 17:01	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 17:01	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 17:01	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 17:01	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 17:01	WG858564
Iodomethane	ND		10.0	1	03/26/2016 17:01	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 17:01	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 17:01	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 17:01	WG858564
Styrene	ND		1.00	1	03/26/2016 17:01	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 17:01	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 17:01	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 17:01	WG858564
Toluene	ND		5.00	1	03/26/2016 17:01	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 17:01	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 17:01	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 17:01	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 17:01	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 17:01	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 17:01	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 17:01	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 17:01	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 17:01	WG858564
(S) Toluene-d8	*106*		*90.0-115*		*03/26/2016 17:01*	WG858564
(S) Dibromofluoromethane	*113*		*79.0-121*		*03/26/2016 17:01*	WG858564
(S) 4-Bromofluorobenzene	*85.8*		*80.1-120*		*03/26/2016 17:01*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 17:59	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	59.9		5.00	1	03/22/2016 22:25	WG858118
Chromium	ND		10.0	1	03/22/2016 22:25	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:25	WG858118
Nickel	ND		10.0	1	03/22/2016 22:25	WG858118
Silver	ND		5.00	1	03/22/2016 22:25	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:25	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:27	WG857893
Arsenic	ND		2.00	1	03/23/2016 22:27	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:27	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:27	WG857893
Copper	ND		5.00	1	03/23/2016 22:27	WG857893
Lead	ND		2.00	1	03/23/2016 22:27	WG857893
Selenium	ND		2.00	1	03/23/2016 22:27	WG857893
Thallium	ND		2.00	1	03/23/2016 22:27	WG857893
Zinc	ND		25.0	1	03/23/2016 22:27	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 17:22	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 17:22	WG858564
Benzene	ND		1.00	1	03/26/2016 17:22	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 17:22	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 17:22	WG858564
Bromoform	ND		1.00	1	03/26/2016 17:22	WG858564
Bromomethane	ND		5.00	1	03/26/2016 17:22	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 17:22	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 17:22	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 17:22	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 17:22	WG858564
Chloroethane	ND		5.00	1	03/26/2016 17:22	WG858564
Chloroform	ND		5.00	1	03/26/2016 17:22	WG858564
Chloromethane	ND		2.50	1	03/26/2016 17:22	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 17:22	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 17:22	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 17:22	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 17:22	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 17:22	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 17:22	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 17:22	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 17:22	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 17:22	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 17:22	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 17:22	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 17:22	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 17:22	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 17:22	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 17:22	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 17:22	WG858564
Iodomethane	ND		10.0	1	03/26/2016 17:22	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 17:22	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 17:22	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 17:22	WG858564
Styrene	ND		1.00	1	03/26/2016 17:22	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 17:22	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 17:22	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 17:22	WG858564
Toluene	ND		5.00	1	03/26/2016 17:22	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 17:22	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 17:22	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 17:22	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 17:22	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 17:22	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 17:22	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 17:22	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 17:22	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 17:22	WG858564
(S) Toluene-d8	*100*		*90.0-115*		*03/26/2016 17:22*	WG858564
(S) Dibromofluoromethane	*101*		*79.0-121*		*03/26/2016 17:22*	WG858564
(S) 4-Bromofluorobenzene	*88.9*		*80.1-120*		*03/26/2016 17:22*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 18:02	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	156		5.00	1	03/22/2016 22:28	WG858118
Chromium	ND		10.0	1	03/22/2016 22:28	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:28	WG858118
Nickel	ND		10.0	1	03/22/2016 22:28	WG858118
Silver	ND		5.00	1	03/22/2016 22:28	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:28	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:29	WG857893
Arsenic	192		2.00	1	03/23/2016 22:29	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:29	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:29	WG857893
Copper	ND		5.00	1	03/23/2016 22:29	WG857893
Lead	ND		2.00	1	03/23/2016 22:29	WG857893
Selenium	ND		2.00	1	03/23/2016 22:29	WG857893
Thallium	ND		2.00	1	03/23/2016 22:29	WG857893
Zinc	ND		25.0	1	03/23/2016 22:29	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 17:44	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 17:44	WG858564
Benzene	ND		1.00	1	03/26/2016 17:44	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 17:44	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 17:44	WG858564
Bromoform	ND		1.00	1	03/26/2016 17:44	WG858564
Bromomethane	ND		5.00	1	03/26/2016 17:44	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 17:44	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 17:44	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 17:44	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 17:44	WG858564
Chloroethane	ND		5.00	1	03/26/2016 17:44	WG858564
Chloroform	ND		5.00	1	03/26/2016 17:44	WG858564
Chloromethane	ND		2.50	1	03/26/2016 17:44	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 17:44	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 17:44	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 17:44	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 17:44	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 17:44	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 17:44	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 17:44	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 17:44	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 17:44	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 17:44	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 17:44	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 17:44	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 17:44	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 17:44	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 17:44	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 17:44	WG858564
Iodomethane	ND		10.0	1	03/26/2016 17:44	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 17:44	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 17:44	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 17:44	WG858564
Styrene	ND		1.00	1	03/26/2016 17:44	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 17:44	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 17:44	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 17:44	WG858564
Toluene	ND		5.00	1	03/26/2016 17:44	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 17:44	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 17:44	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 17:44	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 17:44	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 17:44	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 17:44	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 17:44	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 17:44	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 17:44	WG858564
(S) Toluene-d8	*101*		*90.0-115*		*03/26/2016 17:44*	WG858564
(S) Dibromofluoromethane	*99.7*		*79.0-121*		*03/26/2016 17:44*	WG858564
(S) 4-Bromofluorobenzene	*89.5*		*80.1-120*		*03/26/2016 17:44*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 18:05	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	19.7		5.00	1	03/22/2016 21:55	WG858118
Chromium	ND		10.0	1	03/22/2016 21:55	WG858118
Cobalt	ND		10.0	1	03/22/2016 21:55	WG858118
Nickel	ND		10.0	1	03/22/2016 21:55	WG858118
Silver	ND		5.00	1	03/22/2016 21:55	WG858118
Vanadium	ND		20.0	1	03/22/2016 21:55	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:32	WG857893
Arsenic	ND		2.00	1	03/23/2016 22:32	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:32	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:32	WG857893
Copper	ND		5.00	1	03/23/2016 22:32	WG857893
Lead	ND		2.00	1	03/23/2016 22:32	WG857893
Selenium	ND		2.00	1	03/23/2016 22:32	WG857893
Thallium	ND		2.00	1	03/23/2016 22:32	WG857893
Zinc	ND		25.0	1	03/23/2016 22:32	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 18:06	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 18:06	WG858564
Benzene	ND		1.00	1	03/26/2016 18:06	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 18:06	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 18:06	WG858564
Bromoform	ND		1.00	1	03/26/2016 18:06	WG858564
Bromomethane	ND		5.00	1	03/26/2016 18:06	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 18:06	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 18:06	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 18:06	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 18:06	WG858564
Chloroethane	ND		5.00	1	03/26/2016 18:06	WG858564
Chloroform	ND		5.00	1	03/26/2016 18:06	WG858564
Chloromethane	ND		2.50	1	03/26/2016 18:06	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 18:06	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 18:06	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 18:06	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 18:06	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 18:06	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 18:06	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 18:06	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 18:06	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 18:06	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 18:06	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 18:06	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 18:06	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 18:06	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 18:06	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 18:06	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 18:06	WG858564
Iodomethane	ND		10.0	1	03/26/2016 18:06	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 18:06	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 18:06	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 18:06	WG858564
Styrene	ND		1.00	1	03/26/2016 18:06	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 18:06	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 18:06	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 18:06	WG858564
Toluene	ND		5.00	1	03/26/2016 18:06	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 18:06	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 18:06	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 18:06	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 18:06	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 18:06	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 18:06	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 18:06	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 18:06	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 18:06	WG858564
(S) Toluene-d8	*99.7*		*90.0-115*		*03/26/2016 18:06*	WG858564
(S) Dibromofluoromethane	*101*		*79.0-121*		*03/26/2016 18:06*	WG858564
(S) 4-Bromofluorobenzene	*87.5*		*80.1-120*		*03/26/2016 18:06*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 18:08	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	24.0		5.00	1	03/22/2016 22:31	WG858118
Chromium	ND		10.0	1	03/22/2016 22:31	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:31	WG858118
Nickel	ND		10.0	1	03/22/2016 22:31	WG858118
Silver	ND		5.00	1	03/22/2016 22:31	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:31	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:34	WG857893
Arsenic	ND		2.00	1	03/23/2016 22:34	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:34	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:34	WG857893
Copper	ND		5.00	1	03/23/2016 22:34	WG857893
Lead	ND		2.00	1	03/23/2016 22:34	WG857893
Selenium	ND		2.00	1	03/23/2016 22:34	WG857893
Thallium	ND		2.00	1	03/23/2016 22:34	WG857893
Zinc	ND		25.0	1	03/23/2016 22:34	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 18:27	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 18:27	WG858564
Benzene	ND		1.00	1	03/26/2016 18:27	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 18:27	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 18:27	WG858564
Bromoform	ND		1.00	1	03/26/2016 18:27	WG858564
Bromomethane	ND		5.00	1	03/26/2016 18:27	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 18:27	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 18:27	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 18:27	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 18:27	WG858564
Chloroethane	ND		5.00	1	03/26/2016 18:27	WG858564
Chloroform	ND		5.00	1	03/26/2016 18:27	WG858564
Chloromethane	ND		2.50	1	03/26/2016 18:27	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 18:27	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 18:27	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 18:27	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 18:27	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 18:27	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 18:27	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 18:27	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 18:27	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 18:27	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 18:27	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 18:27	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 18:27	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 18:27	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 18:27	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 18:27	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 18:27	WG858564
Iodomethane	ND		10.0	1	03/26/2016 18:27	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 18:27	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 18:27	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 18:27	WG858564
Styrene	ND		1.00	1	03/26/2016 18:27	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 18:27	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 18:27	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 18:27	WG858564
Toluene	ND		5.00	1	03/26/2016 18:27	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 18:27	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 18:27	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 18:27	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 18:27	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 18:27	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 18:27	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 18:27	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 18:27	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 18:27	WG858564
(S) Toluene-d8	*102*		*90.0-115*		*03/26/2016 18:27*	WG858564
(S) Dibromofluoromethane	*100*		*79.0-121*		*03/26/2016 18:27*	WG858564
(S) 4-Bromofluorobenzene	*89.2*		*80.1-120*		*03/26/2016 18:27*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 18:17	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	22.5		5.00	1	03/22/2016 22:34	WG858118
Chromium	ND		10.0	1	03/22/2016 22:34	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:34	WG858118
Nickel	ND		10.0	1	03/22/2016 22:34	WG858118
Silver	ND		5.00	1	03/22/2016 22:34	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:34	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:36	WG857893
Arsenic	2.48		2.00	1	03/23/2016 22:36	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:36	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:36	WG857893
Copper	ND		5.00	1	03/23/2016 22:36	WG857893
Lead	ND		2.00	1	03/23/2016 22:36	WG857893
Selenium	ND		2.00	1	03/23/2016 22:36	WG857893
Thallium	ND		2.00	1	03/23/2016 22:36	WG857893
Zinc	ND		25.0	1	03/23/2016 22:36	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 18:49	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 18:49	WG858564
Benzene	ND		1.00	1	03/26/2016 18:49	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 18:49	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 18:49	WG858564
Bromoform	ND		1.00	1	03/26/2016 18:49	WG858564
Bromomethane	ND		5.00	1	03/26/2016 18:49	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 18:49	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 18:49	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 18:49	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 18:49	WG858564
Chloroethane	ND		5.00	1	03/26/2016 18:49	WG858564
Chloroform	ND		5.00	1	03/26/2016 18:49	WG858564
Chloromethane	ND		2.50	1	03/26/2016 18:49	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 18:49	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 18:49	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 18:49	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 18:49	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 18:49	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 18:49	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 18:49	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 18:49	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 18:49	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 18:49	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 18:49	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 18:49	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 18:49	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 18:49	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 18:49	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 18:49	WG858564
Iodomethane	ND		10.0	1	03/26/2016 18:49	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 18:49	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 18:49	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 18:49	WG858564
Styrene	ND		1.00	1	03/26/2016 18:49	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 18:49	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 18:49	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 18:49	WG858564
Toluene	ND		5.00	1	03/26/2016 18:49	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 18:49	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 18:49	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 18:49	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 18:49	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 18:49	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 18:49	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 18:49	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 18:49	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 18:49	WG858564
(S) Toluene-d8	*100*		*90.0-115*		*03/26/2016 18:49*	WG858564
(S) Dibromofluoromethane	*103*		*79.0-121*		*03/26/2016 18:49*	WG858564
(S) 4-Bromofluorobenzene	*87.5*		*80.1-120*		*03/26/2016 18:49*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 18:20	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	ND		5.00	1	03/22/2016 22:37	WG858118
Chromium	ND		10.0	1	03/22/2016 22:37	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:37	WG858118
Nickel	ND		10.0	1	03/22/2016 22:37	WG858118
Silver	ND		5.00	1	03/22/2016 22:37	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:37	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:39	WG857893
Arsenic	ND		2.00	1	03/23/2016 22:39	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:39	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:39	WG857893
Copper	ND		5.00	1	03/23/2016 22:39	WG857893
Lead	ND		2.00	1	03/23/2016 22:39	WG857893
Selenium	ND		2.00	1	03/23/2016 22:39	WG857893
Thallium	ND		2.00	1	03/23/2016 22:39	WG857893
Zinc	ND		25.0	1	03/23/2016 22:39	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 19:10	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 19:10	WG858564
Benzene	ND		1.00	1	03/26/2016 19:10	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 19:10	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 19:10	WG858564
Bromoform	ND		1.00	1	03/26/2016 19:10	WG858564
Bromomethane	ND		5.00	1	03/26/2016 19:10	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 19:10	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 19:10	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 19:10	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 19:10	WG858564
Chloroethane	ND		5.00	1	03/26/2016 19:10	WG858564
Chloroform	ND		5.00	1	03/26/2016 19:10	WG858564
Chloromethane	ND		2.50	1	03/26/2016 19:10	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 19:10	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 19:10	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 19:10	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 19:10	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 19:10	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 19:10	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 19:10	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 19:10	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 19:10	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 19:10	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 19:10	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 19:10	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 19:10	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 19:10	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 19:10	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 19:10	WG858564
Iodomethane	ND		10.0	1	03/26/2016 19:10	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 19:10	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 19:10	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 19:10	WG858564
Styrene	ND		1.00	1	03/26/2016 19:10	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 19:10	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 19:10	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 19:10	WG858564
Toluene	ND		5.00	1	03/26/2016 19:10	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 19:10	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 19:10	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 19:10	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 19:10	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 19:10	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 19:10	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 19:10	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 19:10	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 19:10	WG858564
(S) Toluene-d8	*103*		*90.0-115*		*03/26/2016 19:10*	WG858564
(S) Dibromofluoromethane	*100*		*79.0-121*		*03/26/2016 19:10*	WG858564
(S) 4-Bromofluorobenzene	*88.7*		*80.1-120*		*03/26/2016 19:10*	WG858564

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	03/23/2016 18:23	WG858555

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Barium	61.8		5.00	1	03/22/2016 22:40	WG858118
Chromium	ND		10.0	1	03/22/2016 22:40	WG858118
Cobalt	ND		10.0	1	03/22/2016 22:40	WG858118
Nickel	ND		10.0	1	03/22/2016 22:40	WG858118
Silver	ND		5.00	1	03/22/2016 22:40	WG858118
Vanadium	ND		20.0	1	03/22/2016 22:40	WG858118

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	03/23/2016 22:41	WG857893
Arsenic	2.93		2.00	1	03/23/2016 22:41	WG857893
Beryllium	ND		2.00	1	03/23/2016 22:41	WG857893
Cadmium	ND		1.00	1	03/23/2016 22:41	WG857893
Copper	ND		5.00	1	03/23/2016 22:41	WG857893
Lead	ND		2.00	1	03/23/2016 22:41	WG857893
Selenium	ND		2.00	1	03/23/2016 22:41	WG857893
Thallium	ND		2.00	1	03/23/2016 22:41	WG857893
Zinc	ND		25.0	1	03/23/2016 22:41	WG857893

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 19:32	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 19:32	WG858564
Benzene	ND		1.00	1	03/26/2016 19:32	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 19:32	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 19:32	WG858564
Bromoform	ND		1.00	1	03/26/2016 19:32	WG858564
Bromomethane	ND		5.00	1	03/26/2016 19:32	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 19:32	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 19:32	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 19:32	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 19:32	WG858564
Chloroethane	ND		5.00	1	03/26/2016 19:32	WG858564
Chloroform	ND		5.00	1	03/26/2016 19:32	WG858564
Chloromethane	ND		2.50	1	03/26/2016 19:32	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 19:32	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 19:32	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 19:32	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 19:32	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 19:32	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 19:32	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 19:32	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 19:32	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 19:32	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 19:32	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 19:32	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 19:32	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 19:32	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 19:32	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 19:32	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 19:32	WG858564
Iodomethane	ND		10.0	1	03/26/2016 19:32	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 19:32	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 19:32	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 19:32	WG858564
Styrene	ND		1.00	1	03/26/2016 19:32	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 19:32	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 19:32	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 19:32	WG858564
Toluene	ND		5.00	1	03/26/2016 19:32	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 19:32	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 19:32	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 19:32	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 19:32	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 19:32	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 19:32	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 19:32	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 19:32	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 19:32	WG858564
(S) Toluene-d8	*101*		*90.0-115*		*03/26/2016 19:32*	WG858564
(S) Dibromofluoromethane	*103*		*79.0-121*		*03/26/2016 19:32*	WG858564
(S) 4-Bromofluorobenzene	*86.6*		*80.1-120*		*03/26/2016 19:32*	WG858564

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J3	50.0	1	03/26/2016 14:52	WG858564
Acrylonitrile	ND	J3	10.0	1	03/26/2016 14:52	WG858564
Benzene	ND		1.00	1	03/26/2016 14:52	WG858564
Bromochloromethane	ND		1.00	1	03/26/2016 14:52	WG858564
Bromodichloromethane	ND		1.00	1	03/26/2016 14:52	WG858564
Bromoform	ND		1.00	1	03/26/2016 14:52	WG858564
Bromomethane	ND		5.00	1	03/26/2016 14:52	WG858564
Carbon disulfide	ND		1.00	1	03/26/2016 14:52	WG858564
Carbon tetrachloride	ND		1.00	1	03/26/2016 14:52	WG858564
Chlorobenzene	ND		1.00	1	03/26/2016 14:52	WG858564
Chlorodibromomethane	ND		1.00	1	03/26/2016 14:52	WG858564
Chloroethane	ND		5.00	1	03/26/2016 14:52	WG858564
Chloroform	ND		5.00	1	03/26/2016 14:52	WG858564
Chloromethane	ND		2.50	1	03/26/2016 14:52	WG858564
Dibromomethane	ND		1.00	1	03/26/2016 14:52	WG858564
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/26/2016 14:52	WG858564
1,2-Dibromoethane	ND		1.00	1	03/26/2016 14:52	WG858564
1,2-Dichlorobenzene	ND		1.00	1	03/26/2016 14:52	WG858564
1,4-Dichlorobenzene	ND		1.00	1	03/26/2016 14:52	WG858564
trans-1,4-Dichloro-2-butene	ND	J3	2.50	1	03/26/2016 14:52	WG858564
1,1-Dichloroethane	ND		1.00	1	03/26/2016 14:52	WG858564
1,2-Dichloroethane	ND		1.00	1	03/26/2016 14:52	WG858564
1,1-Dichloroethene	ND		1.00	1	03/26/2016 14:52	WG858564
cis-1,2-Dichloroethene	ND		1.00	1	03/26/2016 14:52	WG858564
trans-1,2-Dichloroethene	ND		1.00	1	03/26/2016 14:52	WG858564
1,2-Dichloropropane	ND		1.00	1	03/26/2016 14:52	WG858564
cis-1,3-Dichloropropene	ND		1.00	1	03/26/2016 14:52	WG858564
trans-1,3-Dichloropropene	ND		1.00	1	03/26/2016 14:52	WG858564
Ethylbenzene	ND		1.00	1	03/26/2016 14:52	WG858564
2-Hexanone	ND	J3	10.0	1	03/26/2016 14:52	WG858564
Iodomethane	ND		10.0	1	03/26/2016 14:52	WG858564
2-Butanone (MEK)	ND	J3	10.0	1	03/26/2016 14:52	WG858564
Methylene Chloride	ND		5.00	1	03/26/2016 14:52	WG858564
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	03/26/2016 14:52	WG858564
Styrene	ND		1.00	1	03/26/2016 14:52	WG858564
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/26/2016 14:52	WG858564
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/26/2016 14:52	WG858564
Tetrachloroethene	ND		1.00	1	03/26/2016 14:52	WG858564
Toluene	ND		5.00	1	03/26/2016 14:52	WG858564
1,1,1-Trichloroethane	ND		1.00	1	03/26/2016 14:52	WG858564
1,1,2-Trichloroethane	ND		1.00	1	03/26/2016 14:52	WG858564
Trichloroethene	ND		1.00	1	03/26/2016 14:52	WG858564
Trichlorofluoromethane	ND		5.00	1	03/26/2016 14:52	WG858564
1,2,3-Trichloropropane	ND		2.50	1	03/26/2016 14:52	WG858564
Vinyl acetate	ND		10.0	1	03/26/2016 14:52	WG858564
Vinyl chloride	ND		1.00	1	03/26/2016 14:52	WG858564
Xylenes, Total	ND		3.00	1	03/26/2016 14:52	WG858564
Tetrahydrofuran	ND	J3	5.00	1	03/26/2016 14:52	WG858564
(S) Toluene-d8	*101*		*90.0-115*		*03/26/2016 14:52*	WG858564
(S) Dibromofluoromethane	*100*		*79.0-121*		*03/26/2016 14:52*	WG858564
(S) 4-Bromofluorobenzene	*91.7*		*80.1-120*		*03/26/2016 14:52*	WG858564

Method Blank (MB)

(MB) 03/23/16 17:14

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Mercury	ND		0.000200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/23/16 17:53 • (LCSD) 03/23/16 17:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00309	0.00281	103	94	80-120			9	20

L824588-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/23/16 17:23 • (MS) 03/23/16 17:26 • (MSD) 03/23/16 17:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00255	0.00223	85	74	1	75-125		J6	14	20

Method Blank (MB)

(MB) 03/22/16 21:46

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Barium	ND		0.00500
Chromium	ND		0.0100
Cobalt	ND		0.0100
Nickel	ND		0.0100
Silver	ND		0.00500
Vanadium	ND		0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/22/16 21:49 • (LCSD) 03/22/16 21:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Barium	1.00	0.986	1.01	99	101	80-120			2	20
Chromium	1.00	1.01	1.02	101	102	80-120			2	20
Cobalt	1.00	1.01	1.03	101	103	80-120			2	20
Nickel	1.00	1.00	1.02	100	102	80-120			2	20
Silver	1.00	1.04	1.06	104	106	80-120			2	20
Vanadium	1.00	1.03	1.05	103	105	80-120			2	20

L824488-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/22/16 21:55 • (MS) 03/22/16 22:01 • (MSD) 03/22/16 22:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1.00	0.0197	1.01	1.03	99	101	1	75-125			2	20
Chromium	1.00	0.00118	0.998	1.01	100	101	1	75-125			1	20
Cobalt	1.00	0.000265	1.02	1.04	102	104	1	75-125			1	20
Nickel	1.00	ND	1.01	1.02	101	102	1	75-125			1	20
Silver	1.00	ND	1.05	1.06	105	106	1	75-125			2	20
Vanadium	1.00	0.00178	1.03	1.05	103	105	1	75-125			1	20

Method Blank (MB)

(MB) 03/23/16 20:41

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Antimony	ND		0.00200
Arsenic	ND		0.00200
Beryllium	ND		0.00200
Cadmium	ND		0.00100
Copper	ND		0.00500
Lead	ND		0.00200
Selenium	ND		0.00200
Thallium	ND		0.00200
Zinc	ND		0.0250

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/23/16 20:43 • (LCSD) 03/23/16 20:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Antimony	0.0500	0.0565	0.0557	113	111	80-120			1	20
Arsenic	0.0500	0.0527	0.0520	105	104	80-120			1	20
Beryllium	0.0500	0.0477	0.0482	95	96	80-120			1	20
Cadmium	0.0500	0.0514	0.0516	103	103	80-120			1	20
Copper	0.0500	0.0522	0.0547	104	109	80-120			5	20
Lead	0.0500	0.0514	0.0512	103	102	80-120			1	20
Selenium	0.0500	0.0563	0.0545	113	109	80-120			3	20
Thallium	0.0500	0.0510	0.0506	102	101	80-120			1	20
Zinc	0.0500	0.0528	0.0583	106	117	80-120			10	20

L824384-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/23/16 20:48 • (MS) 03/23/16 20:52 • (MSD) 03/23/16 20:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	0.0500	0.000562	0.0587	0.0590	116	117	1	75-125			1	20
Arsenic	0.0500	0.00655	0.0571	0.0580	101	103	1	75-125			2	20
Beryllium	0.0500	0.000000690	0.0497	0.0505	99	101	1	75-125			2	20
Cadmium	0.0500	0.0000479	0.0488	0.0489	97	98	1	75-125			0	20
Copper	0.0500	0.00222	0.0513	0.0527	98	101	1	75-125			3	20

L824384-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/23/16 20:48 • (MS) 03/23/16 20:52 • (MSD) 03/23/16 20:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	0.0500	0.000401	0.0510	0.0516	101	102	1	75-125			1	20
Selenium	0.0500	0.000180	0.0542	0.0545	108	109	1	75-125			1	20
Thallium	0.0500	0.0000653	0.0502	0.0496	100	99	1	75-125			1	20
Zinc	0.0500	0.00338	0.0544	0.0548	102	103	1	75-125			0	20

Method Blank (MB)

(MB) 03/26/16 12:58

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Acetone	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromochloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
Carbon disulfide	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
trans-1,4-Dichloro-2-butene	ND		0.00250
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100
Ethylbenzene	ND		0.00100
2-Hexanone	ND		0.0100
Iodomethane	ND		0.0100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100

Method Blank (MB)

(MB) 03/26/16 12:58

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Tetrahydrofuran	ND		0.00500
Toluene	ND		0.00500
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
Vinyl acetate	ND		0.0100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*103*		*90.0-115*
(S) Dibromofluoromethane	*111*		*79.0-121*
(S) 4-Bromofluorobenzene	*85.8*		*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/26/16 11:32 • (LCSD) 03/26/16 11:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.127	0.171	101	137	28.7-175		J3	29.7	20.9
Acrylonitrile	0.125	0.130	0.160	104	128	58.2-145		J3	20.3	20
Benzene	0.0250	0.0247	0.0258	98.8	103	73.0-122			4.29	20
Bromodichloromethane	0.0250	0.0230	0.0243	91.9	97.2	75.5-121			5.64	20
Bromochloromethane	0.0250	0.0241	0.0258	96.5	103	78.9-123			6.74	20
Bromoform	0.0250	0.0231	0.0254	92.5	102	71.5-131			9.52	20
Bromomethane	0.0250	0.0301	0.0330	120	132	22.4-187			9.19	20
Carbon disulfide	0.0250	0.0283	0.0299	113	120	53.0-134			5.44	20
Carbon tetrachloride	0.0250	0.0211	0.0220	84.5	88.2	70.9-129			4.29	20
Chlorobenzene	0.0250	0.0235	0.0244	94.1	97.7	79.7-122			3.78	20
Chlorodibromomethane	0.0250	0.0234	0.0252	93.6	101	78.2-124			7.47	20
Chloroethane	0.0250	0.0305	0.0321	122	129	41.2-153			5.06	20
Chloroform	0.0250	0.0233	0.0239	93.0	95.5	73.2-125			2.69	20
Chloromethane	0.0250	0.0320	0.0312	128	125	55.8-134			2.77	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0247	0.0296	98.9	118	64.8-131			18.0	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/26/16 11:32 • (LCSD) 03/26/16 11:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dibromoethane	0.0250	0.0236	0.0260	94.2	104	79.8-122			9.73	20
Dibromomethane	0.0250	0.0232	0.0254	93.0	102	79.5-118			8.78	20
1,2-Dichlorobenzene	0.0250	0.0238	0.0252	95.3	101	84.7-118			5.40	20
1,4-Dichlorobenzene	0.0250	0.0237	0.0252	94.8	101	82.2-114			6.12	20
trans-1,4-Dichloro-2-butene	0.0250	0.0220	0.0270	88.2	108	58.3-129		J3	20.4	20
1,1-Dichloroethane	0.0250	0.0244	0.0256	97.5	102	71.7-127			4.91	20
1,2-Dichloroethane	0.0250	0.0230	0.0249	91.8	99.6	65.3-126			8.08	20
1,1-Dichloroethene	0.0250	0.0285	0.0294	114	118	59.9-137			3.20	20
cis-1,2-Dichloroethene	0.0250	0.0237	0.0253	94.7	101	77.3-122			6.75	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0261	98.1	104	72.6-125			6.30	20
1,2-Dichloropropane	0.0250	0.0252	0.0268	101	107	77.4-125			5.91	20
cis-1,3-Dichloropropene	0.0250	0.0249	0.0263	99.7	105	77.7-124			5.18	20
trans-1,3-Dichloropropene	0.0250	0.0248	0.0270	99.3	108	73.5-127			8.44	20
Ethylbenzene	0.0250	0.0229	0.0235	91.7	94.2	80.9-121			2.64	20
2-Hexanone	0.125	0.121	0.154	96.8	123	59.4-151		J3	24.0	20
Iodomethane	0.125	0.135	0.140	108	112	64.6-137			4.12	20
2-Butanone (MEK)	0.125	0.115	0.149	91.6	119	46.4-155		J3	25.8	20
Methylene Chloride	0.0250	0.0267	0.0292	107	117	69.5-120			8.85	20
4-Methyl-2-pentanone (MIBK)	0.125	0.130	0.163	104	131	63.3-138		J3	23.1	20
Styrene	0.0250	0.0231	0.0243	92.4	97.2	79.9-124			5.10	20
1,1,1,2-Tetrachloroethane	0.0250	0.0228	0.0239	91.1	95.7	78.5-125			4.92	20
1,1,2,2-Tetrachloroethane	0.0250	0.0231	0.0266	92.5	106	79.3-123			13.8	20
Tetrachloroethene	0.0250	0.0226	0.0235	90.4	94.2	73.5-130			4.07	20
Tetrahydrofuran	0.0250	0.0245	0.0324	98.0	130	54.0-134		J3	27.7	20
Toluene	0.0250	0.0236	0.0248	94.3	99.1	77.9-116			4.99	20
1,1,1-Trichloroethane	0.0250	0.0216	0.0231	86.2	92.3	71.1-129			6.77	20
1,1,2-Trichloroethane	0.0250	0.0240	0.0261	95.9	104	81.6-120			8.54	20
Trichloroethene	0.0250	0.0240	0.0245	96.0	98.0	79.5-121			2.14	20
Trichlorofluoromethane	0.0250	0.0234	0.0248	93.5	99.2	49.1-157			5.90	20
1,2,3-Trichloropropane	0.0250	0.0223	0.0260	89.1	104	74.9-124			15.6	20
Vinyl acetate	0.125	0.131	0.148	105	118	41.7-159			12.3	20
Vinyl chloride	0.0250	0.0304	0.0318	122	127	61.5-134			4.42	20
Xylenes, Total	0.0750	0.0680	0.0715	90.7	95.4	79.2-122			5.01	20
(S) Toluene-d8				*100*	*101*	*90.0-115*				
(S) Dibromofluoromethane				*98.2*	*99.6*	*79.0-121*				
(S) 4-Bromofluorobenzene				*88.9*	*92.3*	*80.1-120*				

L824379-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/26/16 15:14 • (MS) 03/26/16 13:26 • (MSD) 03/26/16 13:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.000620	0.0553	0.0882	43.7	70.0	1	25.0-156		J3	45.9	21.5
Acrylonitrile	0.125	ND	0.137	0.170	109	136	1	55.9-161		J3	21.5	20
Benzene	0.0250	ND	0.0237	0.0250	94.6	100	1	58.6-133			5.65	20
Bromodichloromethane	0.0250	ND	0.0226	0.0239	90.4	95.8	1	69.2-127			5.79	20
Bromochloromethane	0.0250	ND	0.0239	0.0242	95.5	96.9	1	74.4-128			1.54	20
Bromoform	0.0250	ND	0.0238	0.0256	95.2	102	1	66.3-140			7.37	20
Bromomethane	0.0250	ND	0.0273	0.0296	109	118	1	16.6-183			7.99	20.5
Carbon disulfide	0.0250	ND	0.0245	0.0258	97.9	103	1	34.9-138			5.27	20
Carbon tetrachloride	0.0250	ND	0.0206	0.0217	82.6	86.8	1	60.6-139			4.98	20
Chlorobenzene	0.0250	ND	0.0239	0.0235	95.6	94.0	1	70.1-130			1.76	20
Chlorodibromomethane	0.0250	ND	0.0236	0.0241	94.3	96.6	1	71.6-132			2.34	20
Chloroethane	0.0250	ND	0.0278	0.0306	111	122	1	33.3-155			9.72	20
Chloroform	0.0250	ND	0.0225	0.0235	90.1	94.1	1	66.1-133			4.31	20
Chloromethane	0.0250	ND	0.0262	0.0244	105	97.7	1	40.7-139			6.93	20
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0231	0.0308	92.3	123	1	63.9-142		J3	28.6	20.2
1,2-Dibromoethane	0.0250	ND	0.0239	0.0250	95.6	99.9	1	73.8-131			4.34	20
Dibromomethane	0.0250	ND	0.0230	0.0247	91.9	98.9	1	72.8-127			7.34	20
1,2-Dichlorobenzene	0.0250	ND	0.0239	0.0244	95.6	97.4	1	77.4-127			1.88	20
1,4-Dichlorobenzene	0.0250	ND	0.0240	0.0239	96.0	95.7	1	74.4-123			0.250	20
trans-1,4-Dichloro-2-butene	0.0250	ND	0.0231	0.0274	92.4	109	1	57.6-136			16.9	20
1,1-Dichloroethane	0.0250	ND	0.0238	0.0250	95.0	100	1	64.0-134			5.22	20
1,2-Dichloroethane	0.0250	ND	0.0223	0.0239	89.0	95.7	1	60.7-132			7.19	20
1,1-Dichloroethene	0.0250	ND	0.0265	0.0287	106	115	1	48.8-144			7.99	20
cis-1,2-Dichloroethene	0.0250	ND	0.0228	0.0242	91.1	96.6	1	60.6-136			5.88	20
trans-1,2-Dichloroethene	0.0250	ND	0.0225	0.0258	90.0	103	1	61.0-132			13.6	20
1,2-Dichloropropane	0.0250	ND	0.0249	0.0258	99.4	103	1	69.7-130			3.84	20
cis-1,3-Dichloropropene	0.0250	ND	0.0239	0.0249	95.8	99.6	1	71.1-129			3.93	20
trans-1,3-Dichloropropene	0.0250	ND	0.0245	0.0262	98.0	105	1	66.3-136			6.52	20
Ethylbenzene	0.0250	ND	0.0235	0.0233	94.2	93.2	1	62.7-136			1.02	20
2-Hexanone	0.125	ND	0.101	0.131	80.8	105	1	59.4-154		J3	25.9	20.1
Iodomethane	0.125	ND	0.124	0.129	99.5	103	1	55.2-140			3.28	20
2-Butanone (MEK)	0.125	ND	0.0837	0.112	66.9	89.8	1	45.0-156		J3	29.2	20.8
Methylene Chloride	0.0250	ND	0.0244	0.0273	97.7	109	1	61.5-125			11.1	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.129	0.165	103	132	1	60.7-150		J3	24.1	20
Styrene	0.0250	ND	0.0237	0.0237	94.6	94.6	1	68.2-133			0.0200	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0228	0.0225	91.4	90.0	1	70.5-132			1.53	20

L824379-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/26/16 15:14 • (MS) 03/26/16 13:26 • (MSD) 03/26/16 13:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0244	0.0275	97.7	110	1	64.9-145			11.8	20
Tetrachloroethene	0.0250	ND	0.0224	0.0223	89.7	89.4	1	57.4-141			0.330	20
Tetrahydrofuran	0.0250	0.000332	0.0249	0.0337	98.2	134	1	45.9-153		J3	30.3	20.5
Toluene	0.0250	ND	0.0233	0.0243	93.4	97.4	1	67.8-124			4.19	20
1,1,1-Trichloroethane	0.0250	ND	0.0212	0.0229	84.7	91.4	1	58.7-134			7.66	20
1,1,2-Trichloroethane	0.0250	ND	0.0249	0.0257	99.8	103	1	74.1-130			2.94	20
Trichloroethene	0.0250	ND	0.0232	0.0239	92.9	95.7	1	48.9-148			2.95	20
Trichlorofluoromethane	0.0250	ND	0.0220	0.0245	87.9	98.2	1	39.9-165			11.0	20
1,2,3-Trichloropropane	0.0250	ND	0.0232	0.0271	92.7	108	1	71.5-134			15.6	20
Vinyl acetate	0.125	ND	0.140	0.162	112	130	1	42.8-181			14.7	20
Vinyl chloride	0.0250	ND	0.0277	0.0282	111	113	1	44.3-143			2.00	20
Xylenes, Total	0.0750	ND	0.0690	0.0689	92.1	91.9	1	65.6-133			0.160	20
(S) Toluene-d8					*101*	*101*		*90.0-115*				
(S) Dibromofluoromethane					*96.4*	*100*		*79.0-121*				
(S) 4-Bromofluorobenzene					*93.2*	*91.2*		*80.1-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

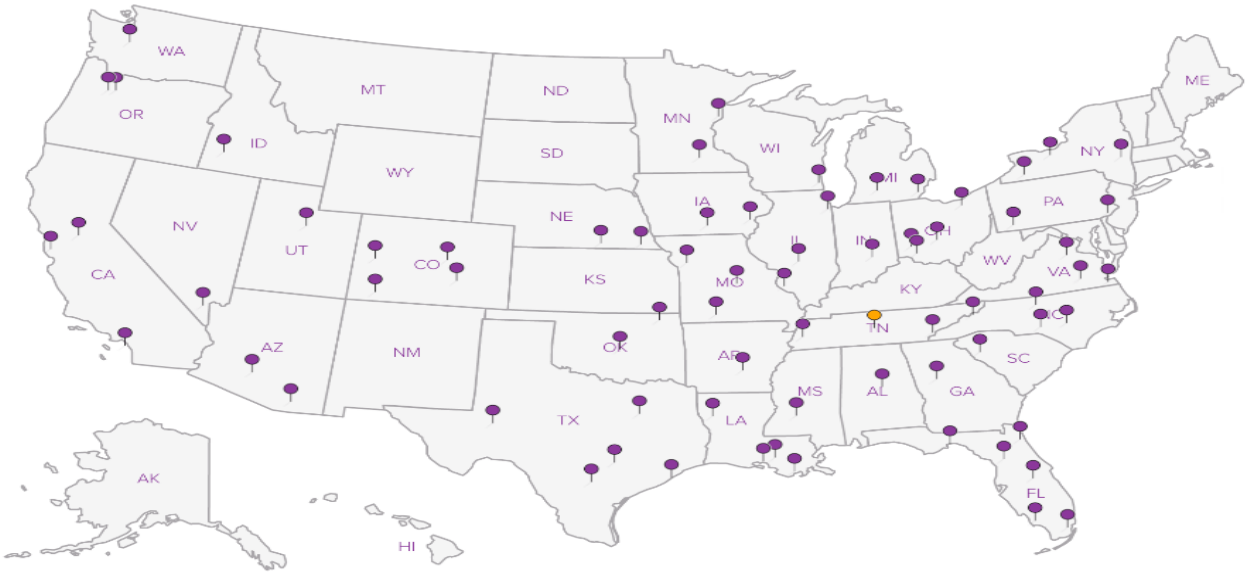
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



AMEC - Wilmington, NC

5710 Oleander Drive, Suite 110
Wilmington, NC 28403

Billing Information:
Bill Mabie
5710 Oleander Dr., Ste.110
Wilmington, NC 28403

Report to: Bill Mabie/Walker Jones

Email To: william.mabie@amecfw.com, walker.jones@amecfw.com

Project Description: Brunswick County Landfill

City/State Collected: Brunswick CO, NC

Phone: 910-452-1185
Fax: 910-791-1338

Client Project # 6550-15-0020

Lab Project # LAWENGWN-BRUNSWICK

Collected by (print): Carolyn Smillie

Site/Facility ID #

P.O. #

Collected by (signature): Carolyn Smillie

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed: Standard

Email? ___No X Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AP1 Metals 500mlHDPE-HNO3 <2	V8260AP1 40mlAmb-HCl	V8260AP1 40mlAmb-HCl-Blk								Rem./Contaminant	Sample # (lab only)
MW-1	Grab	GW	~~1050~~	3/18/16	1050	3	X	X										01
MW-2	Grab	GW	~~1035~~	3/18/16	1035	3	X	X										02
MW-3	Grab	GW	~~1200~~	3/18/16	1200	3	X	X										03
MW-4	Grab	GW	~~1205~~	3/18/16	1205	3	X	X										04
MW-6	Grab	GW	~~1230~~	3/18/16	1230	3	X	X										05
MW-7R	Grab	GW	~~1125~~	3/18/16	1125	3	X	X										06
MW-8	Grab	GW	~~1100~~	3/18/16	1100	3	X	X										07
MW-9	Grab	GW	~~1110~~	3/18/16	1110	3	X	X										08
MW-10	Grab	GW	~~1135~~	3/18/16	1135	3	X	X										09
RINSATE	Grab	GW	~~1140~~	3/18/16	1140	3	X	X										10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: V8260AP1 + Tetrahydrofuran
EDD

pH _____ Temp _____
Flow _____ Other _____

6617 3414 8256

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
[signature]	3-18-16	1600	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.0 °C Bottles Received: 33

Date: 3-19-16 Time: 9W

Hold #

Condition: (lab use only) Good

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: C2

NCF:

Chain of Custody Page ___ of ___

ESC LABS SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 824488

Fa B184

Acctnum: LAWENGWN
Template: T92372
Prelogin: P545788
TSR: 350 - Jimmy Hunt
PB: 3-11-16 KM
Shipped Via: FedEX Ground

AMEC - Wilmington, NC

5710 Oleander Drive, Suite 110
Wilmington, NC 28403

Billing Information:
Bill Mabie
5710 Oleander Dr., Ste.110
Wilmington, NC 28403

Report to:
Bill Mabie/Walker Jones

Email To: william.mabie@amecfw.com, walker.jones@amecfw.com

Project Description: Brunswick County Landfill

City/State Collected: Brunswick Co, NC

Phone: 910-452-1185
Fax: 910-791-1338

Client Project # 6550-15-0020

Lab Project # LAWENGWN-BRUNSWICK

Collected by (print): Carolyn Smillie

Site/Facility ID #

P.O. #

Collected by (signature): Carolyn Smillie

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed: Standard

Email? ___No X__Yes
FAX? ___No ___Yes

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 824488

Table #

Acctnum: LAWENGWN
Template: T92372
Prelogin: P545788
TSR: 350 - Jimmy Hunt
PB: 3-11-16 KH
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AP1 Metals 500mlHDPE-HNO3	V8260AP1 40mlAmb-HCl	V8260AP1 40mlAmb-HCl-Blk								Rem./Contaminant	Sample # (lab only)
DUPLICATE	Grab	GW		3/18/16	1235	3	X	X										11
TRIP BLANK	Grab	GW		3/18/16		1			X									12
		GW				3	X	X										

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: V8260AP1 + Tetrahydrofuran
EDD

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	3-18-16	1600			ok GDIO
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.0 °C Bottles Received: 33	COC Seal Intact: ✓Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3-19-16 Time: 900	pH Checked: NCF:

APPENDIX C

NCDEQ ENVIRONMENTAL ELECTRONIC DATA DELIVERABLE

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-1	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	7439-92-1	Lead	1.06	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-1	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-1	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-1	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7440-36-0	Antimony	0.276	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7440-38-2	Arsenic	1.63	µg/l	J	6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7440-39-3	Barium	153	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-1	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7440-47-3	Chromium	5.32	µg/l	J	6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-1	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-1	7440-50-8	Copper	1.78	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-1	7440-66-6	Zinc	3.72	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	7782-49-2	Selenium	0.406	µg/l	J	6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-1	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-1	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-2	106-46-7	1,4-Dichlorobenzene	0.383	µg/l	J	8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	109-99-9	Tetrahydrofuran	4.99	µg/l	J, J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	67-64-1	Acetone	13.5	µg/l	J, J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	7439-92-1	Lead	0.97	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-2	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-2	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-2	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7440-36-0	Antimony	0.366	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7440-38-2	Arsenic	9.47	µg/l		6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7440-39-3	Barium	139	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-2	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7440-47-3	Chromium	6.04	µg/l	J	6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-2	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-2	7440-50-8	Copper	2.11	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	7440-62-2	Vanadium	4.37	µg/l	J	6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-2	7440-66-6	Zinc	6.9	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	75-00-3	Chloroethane	1.55	µg/l	J	8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-01-4	Vinyl chloride	0.526	µg/l	J	8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	7782-49-2	Selenium	0.441	µg/l	J	6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-2	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-2	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-3	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	7439-92-1	Lead	1.21	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-3	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-3	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-3	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7440-36-0	Antimony	0.385	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7440-38-2	Arsenic	0.656	µg/l	J	6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7440-39-3	Barium	24.3	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-3	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7440-47-3	Chromium	<10.0	µg/l		6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-3	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-3	7440-50-8	Copper	1.1	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-3	7440-66-6	Zinc	5.17	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	7782-49-2	Selenium	<2.00	µg/l		6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-3	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-3	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-4	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	7439-92-1	Lead	0.415	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-4	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-4	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-4	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7440-36-0	Antimony	0.537	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7440-38-2	Arsenic	4.65	µg/l		6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7440-39-3	Barium	132	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-4	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7440-47-3	Chromium	3.55	µg/l	J	6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-4	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-4	7440-50-8	Copper	1.05	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	7440-62-2	Vanadium	11.3	µg/l	J	6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-4	7440-66-6	Zinc	3.06	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	7782-49-2	Selenium	0.38	µg/l	J	6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-4	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-4	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-6	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	7439-92-1	Lead	0.736	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-6	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-6	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-6	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7440-36-0	Antimony	0.353	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7440-38-2	Arsenic	1.77	µg/l	J	6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7440-39-3	Barium	59.9	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-6	7440-41-7	Beryllium	0.221	µg/l	J	6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7440-47-3	Chromium	<10.0	µg/l		6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-6	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-6	7440-50-8	Copper	0.78	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-6	7440-66-6	Zinc	3.93	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	7782-49-2	Selenium	0.916	µg/l	J	6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-6	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-6	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	106-46-7	1,4-Dichlorobenzene	0.335	µg/l	J	8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	108-90-7	Chlorobenzene	0.506	µg/l	J	8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	109-99-9	Tetrahydrofuran	2.71	µg/l	J, J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-7R	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	7439-92-1	Lead	<2.00	µg/l		6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-7R	7440-02-0	Nickel	7.92	µg/l	J	6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-7R	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-7R	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7440-36-0	Antimony	0.472	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7440-38-2	Arsenic	192	µg/l		6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7440-39-3	Barium	156	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-7R	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7440-47-3	Chromium	2.01	µg/l	J	6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-7R	7440-48-4	Cobalt	8.93	µg/l	J	6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-7R	7440-50-8	Copper	0.771	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-7R	7440-66-6	Zinc	3.36	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	7782-49-2	Selenium	<2.00	µg/l		6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-7R	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-7R	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-8	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	7439-92-1	Lead	<2.00	µg/l		6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-8	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-8	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-8	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7440-36-0	Antimony	0.496	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7440-38-2	Arsenic	0.75	µg/l	J	6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7440-39-3	Barium	19.7	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-8	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7440-47-3	Chromium	<10.0	µg/l		6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-8	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-8	7440-50-8	Copper	0.876	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-8	7440-66-6	Zinc	2.75	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	7782-49-2	Selenium	<2.00	µg/l		6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-8	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-8	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	7439-92-1	Lead	0.563	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-9	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-9	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-9	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7440-36-0	Antimony	0.534	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7440-38-2	Arsenic	0.944	µg/l	J	6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7440-39-3	Barium	24	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-9	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7440-47-3	Chromium	<10.0	µg/l		6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-9	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-9	7440-50-8	Copper	0.951	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-9	7440-66-6	Zinc	2.63	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	7782-49-2	Selenium	0.495	µg/l	J	6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-9	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-9	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	7439-92-1	Lead	0.936	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	MW-10	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-10	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-10	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	7440-36-0	Antimony	0.675	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	7440-38-2	Arsenic	2.48	µg/l		6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	7440-39-3	Barium	22.5	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-10	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	MW-10	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	7440-47-3	Chromium	8.14	µg/l	J	6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-10	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-10	7440-50-8	Copper	1.54	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	7440-62-2	Vanadium	6.62	µg/l	J	6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	MW-10	7440-66-6	Zinc	6.56	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	7782-49-2	Selenium	<2.00	µg/l		6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	MW-10	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	MW-10	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	7439-92-1	Lead	1.2	µg/l	J	6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	DUPLICATE	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	DUPLICATE	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-36-0	Antimony	0.362	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-38-2	Arsenic	2.93	µg/l		6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-39-3	Barium	61.8	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	DUPLICATE	7440-41-7	Beryllium	0.206	µg/l	J	6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-47-3	Chromium	1.65	µg/l	J	6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	DUPLICATE	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	DUPLICATE	7440-50-8	Copper	1.92	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	DUPLICATE	7440-66-6	Zinc	4.5	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	7782-49-2	Selenium	0.863	µg/l	J	6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	DUPLICATE	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	DUPLICATE	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	67-66-3	Chloroform	0.59	µg/l	J	8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	7439-92-1	Lead	<2.00	µg/l		6020	0.24	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7439-97-6	Mercury	<0.200	µg/l		7470A	0.049	0.2	0.2	1	3/18/2016	3/23/2016	3/23/2016	ENV375
10-07	RINSATE	7440-02-0	Nickel	<10.0	µg/l		6010C	4.9	10	50	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	RINSATE	7440-22-4	Silver	<5.00	µg/l		6010C	2.8	5	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	RINSATE	7440-28-0	Thallium	<2.00	µg/l		6020	0.19	2	5.5	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7440-36-0	Antimony	0.391	µg/l	J	6020	0.21	2	6	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7440-38-2	Arsenic	0.703	µg/l	J	6020	0.25	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7440-39-3	Barium	<5.00	µg/l		6010C	1.7	5	100	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	RINSATE	7440-41-7	Beryllium	<2.00	µg/l		6020	0.12	2	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7440-43-9	Cadmium	<1.00	µg/l		6020	0.16	1	1	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7440-47-3	Chromium	<10.0	µg/l		6010C	1.4	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	RINSATE	7440-48-4	Cobalt	<10.0	µg/l		6010C	2.3	10	10	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	RINSATE	7440-50-8	Copper	1.54	µg/l	J	6020	0.52	5	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	7440-62-2	Vanadium	<20.0	µg/l		6010C	2.4	20	25	1	3/18/2016	3/22/2016	3/22/2016	ENV375
10-07	RINSATE	7440-66-6	Zinc	7.96	µg/l	J	6020	2.56	25	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375

COMPLIANCE GROUNDWATER MONITORING RESULTS - MARCH 2016
ELECTRONIC DATA DELIVERABLE
BRUNSWICK COUNTY SOLID WASTE LANDFILL

Facility Permit	Well ID	CAS #	Parameter	Results	Units	Q	Method	MDL	RDL	SWSL	Dilution	Collect Date	Extraction Date	Analysis Date	NC Lab Cert No.
10-07	RINSATE	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	7782-49-2	Selenium	<2.00	µg/l		6020	0.38	2	10	1	3/18/2016	3/21/2016	3/23/2016	ENV375
10-07	RINSATE	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	RINSATE	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	74-95-3	Dibromomethane	<1.00	µg/l		8260B	0.346	1	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	100-41-4	Ethylbenzene	<1.00	µg/l		8260B	0.384	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	100-42-5	Styrene	<1.00	µg/l		8260B	0.307	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	10061-01-5	cis-1,3-Dichloropropene	<1.00	µg/l		8260B	0.418	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	10061-02-6	trans-1,3-Dichloropropene	<1.00	µg/l		8260B	0.419	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	106-46-7	1,4-Dichlorobenzene	<1.00	µg/l		8260B	0.274	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	106-93-4	1,2-Dibromoethane	<1.00	µg/l		8260B	0.381	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	107-06-2	1,2-Dichloroethane	<1.00	µg/l		8260B	0.361	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	107-13-1	Acrylonitrile	<10.0	µg/l	J3	8260B	1.87	10	200	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	108-05-4	Vinyl acetate	<10.0	µg/l		8260B	1.63	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	µg/l	J3	8260B	2.14	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	108-88-3	Toluene	<5.00	µg/l		8260B	0.78	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	108-90-7	Chlorobenzene	<1.00	µg/l		8260B	0.348	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	109-99-9	Tetrahydrofuran	<5.00	µg/l	J3	8260B	1.82	5		1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	110-57-6	trans-1,4-Dichloro-2-butene	<2.50	µg/l	J3	8260B	0.866	2.5	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	124-48-1	Chlorodibromomethane	<1.00	µg/l		8260B	0.327	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	127-18-4	Tetrachloroethene	<1.00	µg/l		8260B	0.372	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	1330-20-7	Xylenes, Total	<3.00	µg/l		8260B	1.06	3	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	156-59-2	cis-1,2-Dichloroethene	<1.00	µg/l		8260B	0.26	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	156-60-5	trans-1,2-Dichloroethene	<1.00	µg/l		8260B	0.396	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	56-23-5	Carbon tetrachloride	<1.00	µg/l		8260B	0.379	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	591-78-6	2-Hexanone	<10.0	µg/l	J3	8260B	3.82	10	50	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	630-20-6	1,1,1,2-Tetrachloroethane	<1.00	µg/l		8260B	0.385	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	67-64-1	Acetone	<50.0	µg/l	J3	8260B	10	50	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	67-66-3	Chloroform	<5.00	µg/l		8260B	0.324	5	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	71-43-2	Benzene	<1.00	µg/l		8260B	0.331	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	71-55-6	1,1,1-Trichloroethane	<1.00	µg/l		8260B	0.319	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	74-83-9	Bromomethane	<5.00	µg/l		8260B	0.866	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	74-87-3	Chloromethane	<2.50	µg/l		8260B	0.276	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	74-88-4	Iodomethane	<10.0	µg/l		8260B	1.71	10	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	74-97-5	Bromochloromethane	<1.00	µg/l		8260B	0.52	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-00-3	Chloroethane	<5.00	µg/l		8260B	0.453	5	10	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-01-4	Vinyl chloride	<1.00	µg/l		8260B	0.259	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-09-2	Methylene Chloride	<5.00	µg/l		8260B	1	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-15-0	Carbon disulfide	<1.00	µg/l		8260B	0.275	1	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-25-2	Bromoform	<1.00	µg/l		8260B	0.469	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-27-4	Bromodichloromethane	<1.00	µg/l		8260B	0.38	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-34-3	1,1-Dichloroethane	<1.00	µg/l		8260B	0.259	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-35-4	1,1-Dichloroethene	<1.00	µg/l		8260B	0.398	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	75-69-4	Trichlorofluoromethane	<5.00	µg/l		8260B	1.2	5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	78-87-5	1,2-Dichloropropane	<1.00	µg/l		8260B	0.306	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	78-93-3	2-Butanone (MEK)	<10.0	µg/l	J3	8260B	3.93	10	100	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	79-00-5	1,1,2-Trichloroethane	<1.00	µg/l		8260B	0.383	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	79-01-6	Trichloroethene	<1.00	µg/l		8260B	0.398	1	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	79-34-5	1,1,2,2-Tetrachloroethane	<1.00	µg/l		8260B	0.13	1	3	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	95-50-1	1,2-Dichlorobenzene	<1.00	µg/l		8260B	0.349	1	5	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	96-12-8	1,2-Dibromo-3-Chloropropane	<5.00	µg/l		8260B	1.33	5	13	1	3/18/2016	3/26/2016	3/26/2016	ENV375
10-07	TRIP BLANK	96-18-4	1,2,3-Trichloropropane	<2.50	µg/l		8260B	0.807	2.5	1	1	3/18/2016	3/26/2016	3/26/2016	ENV375