DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

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):

Mecklenburg County Solid Waste Services

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

Name: Amber R. Grzymski, P.G. Phone: 704-432-2478

E-mail: Amber.Grzymski@mecklenburgcountync.gov

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Harrisburg Road Landfill	7817 Harrisburg Road, Charlotte	60-01	.0500	June 9-10, 2015

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.

Amber R. Grzymski, P.G. | Project Manager | 704-432-2478

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

Signature | 7-09-2015 Date

Affix NC Licensed/ Professional Geologist Seal

700 N Tryon Street, Charlotte, NC 28202

Facility Representative Address

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

Revised 6/2009

MECKLENBURG COUNTY

Land Use and Environmental Services Agency
Solid Waste Services

July 9, 2015

Jaclynne Drummond
North Carolina Department of Environment
and Natural Resources
Division of Waste Management - Solid Waste Section
2090 US Highway 70
Swannanoa, NC 28778

Subject: Water Quality Monitoring Report June 2015
Harrisburg Road Landfill, Permit 60-01

Dear Ms. Drummond:

Mecklenburg County conducted semi-annual water quality monitoring at the closed Harrisburg Road Landfill June 9 and June 10, 2015 in accordance with the approved revised sample and analysis plan dated May 11, 2004. Samples were collected from eleven monitoring wells (HBW-12A, HBW-12B, HBW-14, HBW-14B, HBW-14C, HBW-14D, HBW-17B, HBW-20, HBW-21, HBW-22 and background well HBW-28), one potable well (MAINTE) and, three surface-water sampling locations (HB2006, HB2008 and, HB2010). Laboratory analytical data, field-measured data, and a table of results exceeding water quality standards along with a preliminary explanation of the cause and significance are included on the electronic data deliverable (EDD) submittal.

The EDD containing the monitoring data are labeled to reflect the units that are used for reporting. Detection levels and applicable standards have been included for all sampling locations. Surface water standards listed are the water quality standards established for freshwater classification for aquatic life as outlined in 15A NCAC 2B "Classification and Water Quality Standards Applicable to Surface Waters of North Carolina". Groundwater standards listed are the standards outlined in 15A NCAC 2L "Classification of Water Quality Standards applicable to the Groundwaters of North Carolina". If the sample is reported in parts per billion, then the standard is also reported in parts per billion.

Surface-water samples:
Copper was detected in the surface water sample for HB2010 at 3 ug/l. Field-measured parameters for surface-water samples were within the range of established standards and are summarized in the table below.

Location	Temperature	PH	Specific Conductivity	Dissolved Oxygen
HB2006	20.5° C	7.0	0.233 ms/cm	7.38 mg/l
HB2008	20.2° C	7.2	0.250 ms/cm	7.68 mg/l
HB2010	20.0 ° C	6.6	0.247 ms/cm	7.50 mg/l

Groundwater samples:
Chromium was detected above the 2L standard in HBW12A and HBW22. Cobalt and Vanadium were detected above their newly developed groundwater standards in a number of wells. No other metals were detected above the 2L standard. The table below summarizes metals detections in groundwater samples.

Well ID	Ba ug/l	Be ug/l	Cd ug/l	Cr ug/l	Co ug/l	Cu ug/l	Ni ug/l	Pb ug/l	Vn ug/l	Zn ug/l
MAINTE	-----	----	-----	-----	-----	52	-----	----	**6.7**	69
HBW12A	-----	-----	-----	**20**	**19**	62	11	12	**110**	41
HBW12B	-----	-----	-----	-----	**7.3**	5.7	-----	-----	**14**	-----
HBW14	-----	-----	-----	-----	-----	7.0	-----	-----	-----	-----
HBW14B	-----	-----	-----	-----	-----	7.9	-----	-----	-----	-----
HBW14C	-----	-----	-----	-----	-----	17	-----	-----	**9.2**	13
HBW14D	-----	-----	-----	-----	-----	7.9	-----	-----	**6.5**	13
HBW17B	-----	-----	-----	-----	**22**	58	-----	-----	**8.2**	25
HBW-20	-----	-----	-----	-----	-----	12	-----	-----	**23**	17
HBW-21	-----	-----	-----	-----	-----	5.6	-----	-----	**14**	-----
HBW-22	-----	-----	-----	**18**	-----	2.8	-----	-----	-----	-----
HBW-28	-----	-----	-----	-----	**29**	25	5.4	5.3	-----	12
2L Std. ug/l	700	-----	2.0	10	1	1,000	100	15	0.3	1,000

Note: Bolded results exceed 2L Standard

The following seven volatile organic compounds ("VOCs") were detected in the sample collected from well HBW-17B:

VOC	Sample Result ug/l	2L Standard ug/l
Benzene	**15**	**1**
Tetrachloroethylene	**51**	**0.7**
Trichloroethylene	**39**	**2.8**
1,1-Dichloroethane	**12**	**6**
1,2-Dichloropropane	**14**	**0.6**
cis-1,2 Dichloroethene	**170**	**70**
Xylenes (total)	17	500

Note: Bolded results exceed 2L Standard

The pH was measured to be more acidic than the standard in the samples collected from HBW-12A, HBW-12B, HBW14D, HBW17B, HBW-20, HBW-21, HBW-22 and background monitoring well HBW-28. Field-measured parameters for groundwater samples are summarized in the following table:

Location	Temperature	pH	Conductivity
HBW12A	14.7 °C	**6.2**	0.268 ms/cm
HBW12B	15.0 °C	**6.2**	0.297 ms/cm
HBW14	14.4 °C	6.6	0.192 ms/cm
HBW14B	14.7 °C	6.8	0.189 ms/cm
HBW14C	14.6 °C	6.7	0.198 ms/cm
HBW14D	14.7°C	**6.4**	0.314 ms/cm
HBW17B	17.0 °C	**5.1**	0.058 ms/cm
HBW-20	15.4 °C	**6.4**	0.129 ms/cm
HBW-21	15.7 °C	**6.1**	0.206 ms/cm
HBW-22	17.9 °C	**6.0**	0.058 ms/cm
HBW-28	17.4 °C	**5.4**	0.035 ms/cm
MAINTE	20.5 °C	6.9	0.066 ms/cm

Note: Bolded results are outside of the 6.5 to 8.5 S.U. range 2L Standard

Please call me at (704) 432-2478, if you have any questions concerning this report.

Sincerely,

Amber R. Grzymski, P.G.
Project Manager
LUESA Solid Waste Services

LEGEND

- MW-1 — MONITORING WELL
- P-1 — POTABLE WELL
- SW-1 — SURFACE-WATER SAMPLING LOCATIONS
- W-1 — WATER SUPPLY WELLS FOR IRRIGATION PURPOSES
- 731.46 — GROUNDWATER SURFACE ELEVATION (FT) (4/23/01)
- APPROXIMATE WASTE BOUNDARY AND DATES OF PLACEMENT
- GROUNDWATER SURFACE (ESTIMATED WHERE DASHED)
- GENERALIZED GROUNDWATER FLOW DIRECTION
- PLANIMETRIC FENCELINE CAPTURED AT PHOTOSCALE 1" = 1000'
- SURFACE WATER CAPTURED AT PHOTOSCALE 1" = 1000'
- TAX PARCEL BOUNDARY

NOTES:
1. ALL ON SITE WELL LOCATIONS WERE SURVEYED BY FDL ASSOC.
2. GROUNDWATER DATA REFLECTS PUMPING CONDITIONS FROM WATER SUPPLY WELLS IN THE AREA OF MW-26.
3. SURFACE-WATER SAMPLING SITES LOCATED USING GPS - SEPTEMBER 3, 2002
4. GROUNDWATER SURFACE CONTOURS BASED ON S&ME MAP DATED JUNE 4, 2001
5. HBW-28 RENAMED FROM MW-28

GRAPHIC SCALE

600 300 150 0 300 600

(IN FEET)
1 inch = 300 ft.

SOURCE: MECKLENBURG COUNTY GIS AND GPS SURVEY FOR WELL LOCATIONS AND S&ME MAP DATED JUNE 4, 2001

NO.	DATE:	DESCRIPTION	BY

SAMPLE LOCATION PLAN

HARRISBURG ROAD LANDFILL
CHARLOTTE, NORTH CAROLINA

SCALE:	DRAWN BY:	CHECKED BY:
1" = 300'	S.GREGORY	
JOB NO. MAP/GIS	DATE: 10/15/02	FIGURE: FIGURE1

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW28
SAMPLE DATE-TIME: 06/09/2015 11:40
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
Sample ID:	**AF40268**							
AF40268	Metals Digestion	Completed			EPA 200.2	06/11/2015	03:30	RDB
AF40268	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Cobalt by ICPOES	29	ug/L	5.0	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Nickel by ICPOES	5.4	ug/L	5.0	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Zinc by ICPOES	12	ug/L	10	EPA 200.7	06/11/2015	13:11	CJG
AF40268	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Copper by ICPMS	25	ug/L	2.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Lead by ICPMS	5.3	ug/L	5.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:04	RDB
AF40268	Thallium (TOTAL) Furnace	< 5.0	ug/L	5.0	EPA 200.9	06/11/2015	16:06	NVR
AF40268	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Acetone	24	ug/L	10	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW28
SAMPLE DATE-TIME: 06/09/2015 11:40
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
AF40268	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL
AF40268	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	12:46	MLL

Comment: Metals: Sample redigested for Tl on 061115 at 0330.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW20
SAMPLE DATE-TIME: 06/09/2015 12:05
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
Sample ID:	**AF40269**							
AF40269	Metals Digestion	Completed			EPA 200.2	06/11/2015	03:30	RDB
AF40269	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Vanadium by ICPOES	23	ug/L	5.0	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Zinc by ICPOES	17	ug/L	10	EPA 200.7	06/11/2015	13:14	CJG
AF40269	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Copper by ICPMS	12	ug/L	2.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:09	RDB
AF40269	Thallium (TOTAL) Furnace	< 5.0	ug/L	5.0	EPA 200.9	06/11/2015	16:12	NVR
AF40269	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:12	MLL
AF40269	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:12	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW20
SAMPLE DATE-TIME: 06/09/2015 12:05
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40269	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL
AF40269	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:12	MLL

Comment: Metals: Sample redigested for Tl on 061115 at 0330.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14
SAMPLE DATE-TIME: 06/09/2015 13:00
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40270**						
AF40270	Metals Digestion	Completed			EPA 200.2	06/11/2015 03:30	RDB
AF40270	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/11/2015 13:18	CJG
AF40270	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Copper by ICPMS	7.0	ug/L	2.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:13	RDB
AF40270	Thallium (TOTAL) Furnace	< 5.0	ug/L	5.0	EPA 200.9	06/11/2015 16:28	NVR
AF40270	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 13:38	MLL
AF40270	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 13:38	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14
SAMPLE DATE-TIME: 06/09/2015 13:00
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
AF40270	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL
AF40270	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	13:38	MLL

Comment: Metals: Sample redigested for Tl on 061115 at 0330.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14B
SAMPLE DATE-TIME: 06/09/2015 12:50
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40271**						
AF40271	Metals Digestion	Completed			EPA 200.2	06/11/2015 03:30	RDB
AF40271	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/11/2015 13:28	CJG
AF40271	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Copper by ICPMS	7.9	ug/L	2.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:17	RDB
AF40271	Thallium (TOTAL) Furnace	< 5.0	ug/L	5.0	EPA 200.9	06/11/2015 16:33	NVR
AF40271	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:03	MLL
AF40271	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:03	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14B
SAMPLE DATE-TIME: 06/09/2015 12:50
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
AF40271	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL
AF40271	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:03	MLL

Comment: Metals: Sample redigested for Tl on 061115 at 0330.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14C
SAMPLE DATE-TIME: 06/09/2015 12:35
SAMPLE DESCRIPTION: Grab
CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40272**						
AF40272	Metals Digestion	Completed			EPA 200.2	06/11/2015 03:30	RDB
AF40272	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Vanadium by ICPOES	9.2	ug/L	5.0	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Zinc by ICPOES	13	ug/L	10	EPA 200.7	06/11/2015 13:32	CJG
AF40272	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Copper by ICPMS	17	ug/L	2.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015 15:33	RDB
AF40272	Thallium (TOTAL) Furnace	< 5.0	ug/L	5.0	EPA 200.9	06/11/2015 16:39	NVR
AF40272	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:29	MLL
AF40272	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:29	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14C
SAMPLE DATE-TIME: 06/09/2015 12:35
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
AF40272	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL
AF40272	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:29	MLL

Comment: Metals: Sample redigested for Tl on 061115 at 0330.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14D
SAMPLE DATE-TIME: 06/09/2015 12:25
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time		Analyst
Sample ID:	**AF40273**							
AF40273	Metals Digestion	Completed			EPA 200.2	06/11/2015	03:30	RDB
AF40273	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Vanadium by ICPOES	6.5	ug/L	5.0	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Zinc by ICPOES	13	ug/L	10	EPA 200.7	06/11/2015	13:35	CJG
AF40273	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Copper by ICPMS	7.9	ug/L	2.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/11/2015	15:38	RDB
AF40273	Thallium (TOTAL) Furnace	< 5.0	ug/L	5.0	EPA 200.9	06/11/2015	15:45	NVR
AF40273	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	14:55	MLL
AF40273	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	14:55	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO- 92443
LOC ID: G-6001-HBW14D
SAMPLE DATE-TIME: 06/09/2015 12:25
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40273	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL
AF40273	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 14:55	MLL

Comment: Metals: Sample redigested for Tl on 061115 at 0330.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92443
LOC ID: G-BLANK
SAMPLE DATE-TIME: 06/09/2015 11:15
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40825**						
AF40825	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92443
LOC ID: G-BLANK
SAMPLE DATE-TIME: 06/09/2015 11:15
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150609026

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40825	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40825	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL

Comment:

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT
ENVIRONMENTAL LABORATORY SERVICES

4222 Westmont Drive, Charlotte, NC 28217 (704) 336 - 2854 or (704) 622 - 7280
NC DENR Certification No. 192; NC DHHS Certification No. 37417; US EPA Certification No. 01215

CHARLOTTE
CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

CHAIN OF CUSTODY RECORD

COC #: 15060126 | PAGE 1 OF 1

CLIENT:	Mecklenburg County, LUESA - Solid Waste Services	Send REPORT To: Amber Grzymski, 700 North Tryon Street, Charlotte, NC 28202	Send INVOICE To: Joe Hack, 700 North Tryon Street, Charlotte, NC 28202
FACILITY:	Harrisburg Road Landfill, Permit # 60-01		
ADDRESS:	7819 Harrisburg Road		
LAB CODE:	HARRISBURG		

Sampled By (Print Name): Amber R. Grzymski
Witnessed By (Print & Sign Name - If Applicable):
Project Name or Code: HARRISBURG

LOCATION DESCRIPTION: GWO - 92443

Sample ID	Sampler's Initials	Sample Collection: Begin Date / Time	Sample Collection: End Date / Time	Chlorinated System: (Y/N)	Sample Temperature: Collection Temp. °C	Sample Temperature: Receipt Temp. °C	Sample Type: Depth Composite	Sample Type: Auto Composite	Sample Type: Hand Composite	Sample Type: Grab	Sample Containers: Plastic	Sample Containers: Glass	Sample Containers: # of Containers	Chemical Preservative: None	HNO3	H2SO4	NaOH	HCl	Na2S2O3	pH Correct?	Analyses: VOA, EPA 8260	Analyses: Metals (List Below)	CUSTOMER USE ONLY Field Analysis: Conductivity (ms/cm)	CUSTOMER USE ONLY Field Analysis: pH (s.u.)	LAB USE ONLY LABORATORY SAMPLE ID
G-6001-HBW28	ARG	6/9/15 11:40	NA NA	N	17.4					x		40 ml	2				x				x		0.085	5.4	AF 40268 A-A2
G-6001-HBW28	ARG	6/9/15 11:40	NA NA	N	17.4	0.1				x	500 ml		1	x								x			↓ B
G-6001-HBW20	ARG	6/9/15 12:05	NA NA	N	15.9					x		40 ml	2				x						0.129	6.4	AF 40269 A-A2
G-6001-HBW20	ARG	6/9/15 12:05	NA NA	N	15.9	1.2				x	500 ml		1	x								x			↓ B
G-6001-HBW14	ARG	6/9/15 13:00	NA NA	N	14.4					x		40 ml	2										0.192	6.6	AF 40270 A-A2
G-6001-HBW14	ARG	6/9/15 13:00	NA NA	N	14.4	5.4				x	500 ml		1	x								x			↓ B
G-6001-HBW14B	ARG	6/9/15 12:50	NA NA	N	14.7					x		40 ml	2										0.190	6.8	AF 40271 A-A2
G-6001-HBW14B	ARG	6/9/15 12:50	NA NA	N	14.7	5.0				x	500 ml		1	x								x			↓ B
G-6001-HBW14C	ARG	6/9/15 12:35	NA NA	N	14.6					x		40 ml	2										0.198	6.7	AF 40272 A-A2
G-6001-HBW14C	ARG	6/9/15 12:35	NA NA	N	14.6	1.6				x	500 ml		1	x								x			↓ B
G-6001-HBW14D	ARG	6/9/15 12:25	NA NA	N	14.7					x		40 ml	2										0.314	6.4	AF 40273 A-A2
G-6001-HBW14D	ARG	6/9/15 12:25	NA NA	N	14.7	3.1				x	500 ml		1	x								x			↓ B

Instructions:
Complete all yellow shaded areas. Blue areas are for LAB USE ONLY.
For each parameter requested, circle the "x" to verify your request.
Nutrients include: Nitrate/Nitrite, TKN, Total Phosphours, Ammonia
Itemize Metals Here: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Tl, V, Cu, Zn
For Composite samples, record the autosampler BEGIN and END date/time.
For Grab samples, record the collection time as the BEGIN date/time only.

Relinquished by: (Signature)	Received by: (Signature)	Date: 6-9-15	Military Time: 1430
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:

Form Revision 08; Effective April 1, 2012

CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT
ENVIRONMENTAL LABORATORY SERVICES

4222 Westmont Drive, Charlotte, NC 28217 (704) 336 - 2854 or (704) 622 - 7280
NC DENR Certification No. 192; NC DHHS Certification No. 37417; US EPA Certification No. 01215

CHARLOTTE
CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

CHAIN OF CUSTODY RECORD

CODE: 15060926 PAGE 2 OF 2

CLIENT: Mecklenburg County, LUESA - Solid Waste Services	Send REPORT To:	Send INVOICE To:	Sampled By (Print Name): Amber R. Grzymski
FACILITY: Harrisburg Road Landfill, Permit # 60-01	Amber Grzymski	Joe Hack	Witnessed By (Print & Sign Name - If Applicable):
ADDRESS: 7819 Harrisburg Road	700 North Tryon Street	700 North Tryon Street	
LAB CODE: HARRISBURG	Charlotte, NC 28202	Charlotte, NC 28202	Project Name or Code: HARRISBURG

LOCATION DESCRIPTION: GWO - 92443

Sample ID	Sampe Collector's Initials	Sample Collection: Begin Date / Time	Sample Collection: End Date / Time	Chlorinated System: (Y/N)	Sample Temperature: Collection Temp, °C	Sample Temperature: Receipt Temp, °C	Sample Type: Depth Composite	Sample Type: Auto Composite	Sample Type: Hand Composite	Sample Type: Grab	Sample Containers: Plastic	Sample Containers: Glass	Sample Containers: # of Containers	Chemical Preservative: None	Chemical Preservative: HNO3	Chemical Preservative: H2SO4	Chemical Preservative: NaOH	Chemical Preservative: HCl	Chemical Preservative: Na2S2O3	Chemical Preservative: pH Correct?	Analyses: VOA, EPA 8260	Analyses: Metals (List Below)	Analyses: Total Coliform	Analyses: Chloride	Analyses: Sulfate	Analyses: Fluoride	Analyses: Color	Analyses: Nitrate	Analyses: TDS	Analyses: BOD5	Analyses: COD	Analyses: Pest/PCB, 8081/82	Analyses: Herbicide, 8151	Analyses:	Analyses:	CUSTOMER USE ONLY Field Analysis: Conductivity (ms/cm)	CUSTOMER USE ONLY Field Analysis: pH (s.u.)	LAB USE ONLY LABORATORY SAMPLE ID
G-BLANK	ARG	6/9/15 11:15	NA NA	N	25.0					X		40 ml	2					x			x															—	—	[illegible]

Instructions:
Complete all yellow shaded areas. Blue areas are for LAB USE ONLY.
For each parameter requested, circle the 'x' to verify your request.
Nutrients include: Nitrate/Nitrite, TKN, Total Phosphours, Ammonia
Itemize Metals Here: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Tl, V, Cu, Zn, Fe, Mn
For Composite samples, record the autosampler BEGIN and END date/time.
For Grab samples, record the collection time as the BEGIN date/time only.

Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
[signature]	[signature]	6-9-15	1430
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:

Form Revision 08; Effective April 1, 2012

Title: Sample Receipt Checklist
Release Date: December 12, 2011
Revision Date: January 29, 2013
Version: 2.0

Charlotte-Mecklenburg Utility Department
Environmental Laboratory Services
4222 Westmont Drive
Charlotte, North Carolina 28217

Sample Receipt Checklist

Completed by: Initials: TRL Date/Time: 6-1-15 1430 COC#: 151601026

Sample Matrix: [x] Wastewater [ ] Drinking Water [ ] *Crypto/Giardia* (LT2) [ ] Other: _____

Customer Name:
[ ] WWTP: (Write Plant Name Below) _____
[ ] CMUD-Water Treatment
[ ] Water Distribution
[ ] Industrial Samples
[ ] LUESA-Water Quality
[ ] LUESA-GWS
[x] LUESA-SWP
[ ] LT2: (Write Customer Name Below) _____
[ ] Other: (Write Customer Name Below) _____

Courier: [ ] CourierNet [x] Customer [ ] CMUD-Laboratory [ ] FedEx [ ] UPS [ ] Other:

Custody Seals on Cooler/Box Present: [ ] Yes [ ] No [x] N/A
Custody Seal(s) Intact?: [x] Yes [ ] No [x] N/A
Shipping Container Intact: [ ] Yes [ ] No [x] N/A
Type of Ice Used: [x] Wet [ ] Blue [ ] None
Packing Material Used: [ ] Bubble Wrap/Bags [ ] Peanuts [x] None [ ] Other: _____

Thermal Preservation:
*Measure sample temperature immediately; Apply the Daily IR Correction Factor.
*Notify management immediately of any samples that do not meet temperature requirements or are frozen.
*If multiple parameters, in additional to BacT are collected for a site, two receipt temperatures must be measured. A receipt temperature for the BacT plus another bottle must be measured and recorded on the COC.

Requirements: DW: < 6.0°C WW: < 6°C BacT: < 10°C LT2 Crypto/Giardia: < 20°C LT2 E. coli: < 10°C

Have all samples requiring a receipt temperature been measured and recorded? [x] Yes [ ] No If no, explain below.
Do all sample receipt temperatures meet requirements? [x] Yes [ ] No If no, explain below.

* At time of receipt into the laboratory, if a sample does not meet the temperature requirement, a downward trend is required. Initial temperature from the sample collector becomes critical. If samples are received next day, receipt temperatures must meet requirements listed above.

Chemical Preservation: Note: *If samples are not preserved correctly, notify Personnel. Do not check BacT, TOC, VOA, THM and HAA.

All containers needing preservation have been checked? [x] Yes [ ] No [ ] N/A
All containers needing preservation are found to be in EPA compliance? [x] Yes [ ] No [ ] N/A
If no, explain. _____

*If the pH of a metals (not including Hg) is incorrect, follow these steps.
1. On the COC, document sample pH prior to adding additional preservative.
2. On the COC and sample bottle, document the date/time additional preservative is added to the sample.
3. No comment is needed in LIMS.

*If the pH of any other chemically preserved sample is incorrect (not including metals), follow these steps:
1. Any samples not properly preserved must be qualified with a comment on the COC and in LIMS.
2. Notify personnel immediately of samples not correctly preserved.

If possible, substitute a correctly preserved bottle. Document on the COC and notify personnel. Write "DO NOT USE" on the incorrectly preserved bottle.

COC Properly Filled Out? [x] Yes [ ] No If no, explain. _____
COC Correction sent to Customer? [ ] Yes [ ] No [x] N/A
Do sample labels agree with the COC? [x] Yes [ ] No If no, explain. _____
All sample bottles accounted for? [x] Yes [ ] No Samples Arrived within Hold Time? [x] Yes [ ] No (If no, notify Project Mgr)
Correct Bottles Used? [x] Yes [ ] No CMUD Containers Used? [x] Yes [ ] No
VOA Vials have Zero Headspace (< 6 mm)? [ ] Yes [ ] No [ ] N/A *Bubbles should be no larger than:

Short Hold Analyses (< 48 hrs)? [ ] Yes [x] No If yes, notify Laboratory Section(s).
Rush Turn Around Time (TAT)? [ ] Yes [x] No If yes, notify Project Manager.

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW12A
SAMPLE DATE-TIME: 06/10/2015 09:50
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40439**						
AF40439	Metals Digestion	Completed			EPA 200.2	06/15/2015 09:16	CJG
AF40439	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Chromium by ICPOES	20	ug/L	5.0	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Cobalt by ICPOES	19	ug/L	5.0	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Nickel by ICPOES	11	ug/L	5.0	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Vanadium by ICPOES	110	ug/L	5.0	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Zinc by ICPOES	41	ug/L	10	EPA 200.7	06/16/2015 15:29	CJG
AF40439	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 16:45	RDB
AF40439	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 16:45	RDB
AF40439	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015 14:38	RDB
AF40439	Copper by ICPMS	62	ug/L	2.0	EPA 200.8	06/15/2015 16:45	RDB
AF40439	Lead by ICPMS	12	ug/L	5.0	EPA 200.8	06/15/2015 16:45	RDB
AF40439	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 16:45	RDB
AF40439	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 16:45	RDB
AF40439	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015 16:57	RDB
AF40439	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:22

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW12A
SAMPLE DATE-TIME: 06/10/2015 09:50
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40439	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL
AF40439	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 15:21	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/07/2015 14:28

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW12B
SAMPLE DATE-TIME: 06/10/2015 10:05
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40440**						
AF40440	Metals Digestion	Completed			EPA 200.2	06/15/2015 09:16	CJG
AF40440	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Cobalt by ICPOES	7.3	ug/L	5.0	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Vanadium by ICPOES	14	ug/L	5.0	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/16/2015 15:33	CJG
AF40440	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:10	RDB
AF40440	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:10	RDB
AF40440	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015 14:40	RDB
AF40440	Copper by ICPMS	5.7	ug/L	2.0	EPA 200.8	06/15/2015 17:10	RDB
AF40440	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:10	RDB
AF40440	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:10	RDB
AF40440	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:10	RDB
AF40440	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015 16:59	RDB
AF40440	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/07/2015 14:28

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW12B
SAMPLE DATE-TIME: 06/10/2015 10:05
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40440	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL
AF40440	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:03	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW21
SAMPLE DATE-TIME: 06/10/2015 09:35
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40441**						
AF40441	Metals Digestion	Completed			EPA 200.2	06/15/2015 09:16	CJG
AF40441	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Vanadium by ICPOES	14	ug/L	5.0	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/16/2015 15:36	CJG
AF40441	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:15	RDB
AF40441	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:15	RDB
AF40441	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015 14:43	RDB
AF40441	Copper by ICPMS	5.6	ug/L	2.0	EPA 200.8	06/15/2015 17:15	RDB
AF40441	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:15	RDB
AF40441	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:15	RDB
AF40441	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:15	RDB
AF40441	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015 17:01	RDB
AF40441	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW21
SAMPLE DATE-TIME: 06/10/2015 09:35
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40441	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL
AF40441	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 17:29	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW22
SAMPLE DATE-TIME: 06/10/2015 09:15
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time		Analyst
Sample ID:	**AF40442**							
AF40442	Metals Digestion	Completed			EPA 200.2	06/15/2015	09:16	CJG
AF40442	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Chromium by ICPOES	18	ug/L	5.0	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/16/2015	15:47	CJG
AF40442	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:20	RDB
AF40442	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:20	RDB
AF40442	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015	14:46	RDB
AF40442	Copper by ICPMS	2.8	ug/L	2.0	EPA 200.8	06/15/2015	17:20	RDB
AF40442	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:20	RDB
AF40442	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:20	RDB
AF40442	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:20	RDB
AF40442	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015	17:04	RDB
AF40442	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW22
SAMPLE DATE-TIME: 06/10/2015 09:15
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
AF40442	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL
AF40442	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	17:55	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW17B
SAMPLE DATE-TIME: 06/10/2015 10:50
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40443**						
AF40443	Metals Digestion	Completed			EPA 200.2	06/15/2015 09:16	CJG
AF40443	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Cobalt by ICPOES	22	ug/L	5.0	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Vanadium by ICPOES	8.2	ug/L	5.0	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Zinc by ICPOES	25	ug/L	10	EPA 200.7	06/16/2015 15:50	CJG
AF40443	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:25	RDB
AF40443	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:25	RDB
AF40443	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015 14:53	RDB
AF40443	Copper by ICPMS	58	ug/L	2.0	EPA 200.8	06/15/2015 17:25	RDB
AF40443	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:25	RDB
AF40443	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:25	RDB
AF40443	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:25	RDB
AF40443	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015 17:11	RDB
AF40443	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,1-Dichloroethane	12	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,2-Dichlorpropane	14	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Benzene	15	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-HBW17B
SAMPLE DATE-TIME: 06/10/2015 10:50
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40443	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	cis-1,2- Dichloroethene	170	ug/L	15	SW846 / 8260B	06/11/2015 13:46	MLL
AF40443	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Tetrachloroethene	51	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Total Xylenes	17	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Trichloroethene	39	ug/L	3	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL
AF40443	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 18:21	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92444
LOC ID: G-6001-MAINTE
SAMPLE DATE-TIME: 06/10/2015 10:25
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time		Analyst
Sample ID:	**AF40444**							
AF40444	Metals Digestion	Completed			EPA 200.2	06/15/2015	09:16	CJG
AF40444	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Vanadium by ICPOES	6.7	ug/L	5.0	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Zinc by ICPOES	69	ug/L	10	EPA 200.7	06/16/2015	15:54	CJG
AF40444	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:30	RDB
AF40444	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:30	RDB
AF40444	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015	14:56	RDB
AF40444	Copper by ICPMS	52	ug/L	2.0	EPA 200.8	06/15/2015	17:30	RDB
AF40444	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:30	RDB
AF40444	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:30	RDB
AF40444	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	17:30	RDB
AF40444	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015	17:13	RDB
AF40444	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	18:47	MLL
AF40444	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	18:47	MLL

CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

ENVIRONMENTAL LABORATORY SERVICES

4222 Westmont Drive, Charlotte, NC 28217 (704) 336 - 2854 or (704) 622 - 7280
NC DENR Certification No. 192; NC DHHS Certification No. 37417; US EPA Certification No. 01215

CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

CHAIN OF CUSTODY RECORD

COC# 1506110023 PAGE 1 OF 2

CLIENT:	Mecklenburg County, LUESA - Solid Waste Services	Send REPORT To: Amber Grzymski, 700 North Tryon Street, Charlotte, NC 28202	Send INVOICE To: Joe Hack, 700 North Tryon Street, Charlotte, NC 28202
FACILITY:	Harrisburg Road Landfill, Permit # 60-01		
ADDRESS:	7819 Harrisburg Road		
LAB CODE:	HARRISBURG		

Sampled By (Print Name): Amber R. Grzymski

Witnessed By (Print & Sign Name - If Applicable):

Project Name or Code: HARRISBURG

LOCATION DESCRIPTION: GWO - 92444

Sample ID	Sampler's Initials	Sample Collection: Begin Date / Time	Sample Collection: End Date / Time	Chlorinated System: (Y/N)	Sample Temperature: Collection Temp. °C	Sample Temperature: Receipt Temp. °C	Sample Type: Depth Composite	Sample Type: Auto Composite	Sample Type: Hand Composite	Sample Type: Grab	Sample Containers: Plastic	Sample Containers: Glass	Sample Containers: # of Containers	Chemical Preservative: None	HNO3	H2SO4	NaOH	HCl	Na2S2O3	pH Correct?	Analyses: VOA, EPA 8260	Analyses: Metals (List Below)	CUSTOMER USE ONLY Field Analysis: Conductivity (ms/cm)	CUSTOMER USE ONLY Field Analysis: pH (s.u.)	LAB USE ONLY LABORATORY SAMPLE ID
G-6001-HBW12A	ARG	6/10/15 9:30	NA	N	14.7	↑				x		40 ml	2					X			X		0.268	6.2	AF40439A1-A2
G-6001-HBW12A	ARG	6/10/15 9:55	NA	N	14.7	15				x	500 ml		1	X						4Z		X				↓ B
G-6001-HBW12B	ARG	6/10/15 10:05	NA	N	15.0	↑				x		40 ml	2				X				X		0.277	6.2	AF40440A1-A2
G-6001-HBW12B	ARG	6/10/15 10:05	NA	N	15.0	8.6				x	500 ml		1	X						4Z		X				↓ B
G-6001-HBW21	ARG	6/10/15 9:35	NA	N	15.7	[illegible]	28			x		40 ml	2				X				X		0.206	6.1	AF40441A1-A2
G-6001-HBW21	ARG	6/10/15 9:35	NA	N	15.7	10.3				x	500 ml		1	X						4Z		X				↓ B
G-6001-HBW22	ARG	6/10/15 9:10	NA	N	17.9	↑				x		40 ml	2				X				X		0.058	6.0	AF40442A1-A2
G-6001-HBW22	ARG	6/10/15 9:15	NA	N	17.9	11.6				x	500 ml		1	X						4Z		X				↓ B
G-6001-HBW17B	ARG	6/10/15 10:00	NA	N	17.0	↑				x		40 ml	2				X				X		0.058	5.1	AF40443A1-A2
G-6001-HBW17B	ARG	6/10/15 10:00	NA	N	17.0	5.2				x	500 ml		1	X						4Z		X				↓ B
G-6001-MAINTE	ARG	6/10/15 10:25	NA	N	20.5	↑				x		40 ml	2				X				X		0.066	6.9	AF40444A1-A2
G-6001-MAINTE	ARG	6/10/15 10:25	NA	N	20.5	5.4				X	500 ml		1	X						4Z		X				↓ B

Instructions:

Complete all yellow shaded areas. Blue areas are for LAB USE ONLY.
For each parameter requested, circle the "x" to verify your request.
Nutrients include: Nitrate/Nitrite, TKN, Total Phosphours, Ammonia
Itemize Metals Here: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Tl, V, Cu, Zn
For Composite samples, record the autosampler BEGIN and END date/time.
For Grab samples, record the collection time as the BEGIN date/time only.

1760 But Tosnaws inward trend CEB 6/10/15

Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
[signature]	[signature]	6/10/15	1324
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:

Form Revision 08; Effective April 1, 2012

Title: Sample Receipt Checklist
Release Date: December 12, 2011
Revision Date: January 29, 2013
Version: 2.0

Charlotte-Mecklenburg Utility Department
Environmental Laboratory Services
4222 Westmont Drive
Charlotte, North Carolina 28217

Sample Receipt Checklist

Completed by: Initials: CAB Date/Time: 6/10/15 @1324 COC#: 150610073

Sample Matrix: [X] Wastewater [ ] Drinking Water [ ] *Crypto/Giardia* (LT2) [ ] Other: _____

Customer Name: [ ] WWTP: (Write Plant Name Below) [ ] Industrial Samples [ ] LT2: (Write Customer Name Below)
[ ] LUESA-Water Quality
[ ] CMUD-Water Treatment [ ] LUESA-GWS [X] Other: (Write Customer Name Below) SWS-Harrisburg LF
[ ] Water Distribution [ ] LUESA-SWP

Courier: [ ] CourierNet [X] Customer [ ] CMUD-Laboratory [ ] FedEx [ ] UPS [ ] Other:

Custody Seals on Cooler/Box Present: [ ] Yes [ ] No [X] N/A Custody Seal(s) Intact?: [ ] Yes [ ] No [X] N/A
Shipping Container Intact: [ ] Yes [ ] No [X] N/A Type of Ice Used: [X] Wet [ ] Blue [ ] None
Packing Material Used: [ ] Bubble Wrap/Bags [ ] Peanuts [X] None [ ] Other:

Thermal Preservation:
*Measure sample temperature immediately; Apply the Daily IR Correction Factor.
*Notify management immediately of any samples that do not meet temperature requirements or are frozen.
*If multiple parameters, in additional to BacT are collected for a site, two receipt temperatures must be measured. A receipt temperature for the BacT plus another bottle must be measured and recorded on the COC.

Requirements: DW: < 6.0°C WW: < 6°C BacT: < 10°C LT2 Crypto/Giardia: < 20°C LT2 E. coli: < 10°C

Have all samples requiring a receipt temperature been measured and recorded? [X] Yes [ ] No If no, explain below.

Do all sample receipt temperatures meet requirements? [ ] Yes [X] No If no, explain below.

T°76 But shows downward trend

* At time of receipt into the laboratory, if a sample does not meet the temperature requirement, a downward trend is required. Initial temperature from the sample collector becomes critical. If samples are received next day, receipt temperatures must meet requirements listed above.

Chemical Preservation: Note: *If samples are not preserved correctly, notify Personnel. Do not check BacT, TOC, VOA, THM and HAA.

All containers needing preservation have been checked? [X] Yes [ ] No [ ] N/A

All containers needing preservation are found to be in EPA compliance? [X] Yes [ ] No [ ] N/A
If no, explain.

*If the pH of a metals (not including Hg) is incorrect, follow these steps.
1. On the COC, document sample pH prior to adding additional preservative.
2. On the COC and sample bottle, document the date/time additional preservative is added to the sample.
3. No comment is needed in LIMS.

*If the pH of any other chemically preserved sample is incorrect (not including metals), follow these steps:
1. Any samples not properly preserved must be qualified with a comment on the COC and in LIMS.
2. Notify personnel immediately of samples not correctly preserved.

If possible, substitute a correctly preserved bottle. Document on the COC and notify personnel. Write "DO NOT USE" on the incorrectly preserved bottle.

COC Properly Filled Out? [X] Yes [ ] No If no, explain.

COC Correction sent to Customer? [ ] Yes [ ] No [X] N/A

Do sample labels agree with the COC? [X] Yes [ ] No If no, explain.

All sample bottles accounted for? [X] Yes [ ] No Samples Arrived within Hold Time? [X] Yes [ ] No (If no, notify Project Mgr)

Correct Bottles Used? [X] Yes [ ] No CMUD Containers Used? [X] Yes [ ] No

VOA Vials have Zero Headspace (< 6 mm)? [X] Yes [ ] No [ ] N/A *Bubbles should be no larger than:

Short Hold Analyses (< 48 hrs)? [ ] Yes [X] No If yes, notify Laboratory Section(s).

Rush Turn Around Time (TAT)? [ ] Yes [X] No If yes, notify Project Manager.

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-6001-HB2006
SAMPLE DATE-TIME: 06/10/2015 11:45
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40445**						
AF40445	Metals Digestion	Completed			EPA 200.2	06/15/2015 09:16	CJG
AF40445	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/16/2015 15:57	CJG
AF40445	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:35	RDB
AF40445	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:35	RDB
AF40445	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015 14:59	RDB
AF40445	Copper by ICPMS	< 2.0	ug/L	2.0	EPA 200.8	06/15/2015 17:35	RDB
AF40445	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:35	RDB
AF40445	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:35	RDB
AF40445	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 17:35	RDB
AF40445	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015 17:16	RDB
AF40445	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-6001-HB2006
SAMPLE DATE-TIME: 06/10/2015 11:45
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40445	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL
AF40445	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:12	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-6001-HB2008
SAMPLE DATE-TIME: 06/10/2015 11:55
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time		Analyst
Sample ID:	**AF40446**							
AF40446	Metals Digestion	Completed			EPA 200.2	06/15/2015	09:16	CJG
AF40446	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/16/2015	16:01	CJG
AF40446	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	18:01	RDB
AF40446	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	18:01	RDB
AF40446	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015	15:01	RDB
AF40446	Copper by ICPMS	< 2.0	ug/L	2.0	EPA 200.8	06/15/2015	18:01	RDB
AF40446	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	18:01	RDB
AF40446	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	18:01	RDB
AF40446	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015	18:01	RDB
AF40446	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015	17:18	RDB
AF40446	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	19:38	MLL
AF40446	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	19:38	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-6001-HB2008
SAMPLE DATE-TIME: 06/10/2015 11:55
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40446	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL
AF40446	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 19:38	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-6001-HB2010
SAMPLE DATE-TIME: 06/10/2015 11:00
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
Sample ID:	**AF40447**						
AF40447	Metals Digestion	Completed			EPA 200.2	06/15/2015 09:16	CJG
AF40447	Barium by ICPOES	< 100	ug/L	100	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Beryllium by ICPOES	< 2.0	ug/L	2.0	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Chromium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Cobalt by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Nickel by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Vanadium by ICPOES	< 5.0	ug/L	5.0	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Zinc by ICPOES	< 10	ug/L	10	EPA 200.7	06/16/2015 16:04	CJG
AF40447	Antimony by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 18:06	RDB
AF40447	Arsenic by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 18:06	RDB
AF40447	Cadmium by ICPMS	< 1.0	ug/L	1.0	EPA 200.8	06/16/2015 15:04	RDB
AF40447	Copper by ICPMS	3.0	ug/L	2.0	EPA 200.8	06/15/2015 18:06	RDB
AF40447	Lead by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 18:06	RDB
AF40447	Selenium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 18:06	RDB
AF40447	Silver by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/15/2015 18:06	RDB
AF40447	Thallium by ICPMS	< 5.0	ug/L	5.0	EPA 200.8	06/16/2015 17:21	RDB
AF40447	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-6001-HB2010
SAMPLE DATE-TIME: 06/10/2015 11:00
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time	Analyst
AF40447	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL
AF40447	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015 20:04	MLL

Comment: Metals: redigested for Tl on 061515 at 0916.

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-BLANK
SAMPLE DATE-TIME: 06/10/2015 09:00
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date / Time		Analyst
Sample ID:	**AF40448**							
AF40448	1,1,1,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,1,1-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,1,2,2-Tetrachloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,1,2-Trichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,1-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,1-Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,2,3-Trichloropropane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,2-Dibromo-3-chloropropane	Less than	ug/L	10	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,2-Dibromoethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,2-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,2-Dichloroethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,2-Dichlorpropane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,3-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	1,4-Dichlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	2-Butanone (MEK)	Less than	ug/L	10	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	2-Chloroethyl vinyl ether	Less than	ug/L	10	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	2-Hexanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	4-Methyl-2-pentanone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Acetone	Less than	ug/L	10	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Acrolein	Less than	ug/L	50	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Acrylonitrile	Less than	ug/L	50	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Benzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Bromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Bromodichloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Bromoform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Bromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Carbon Disulfide	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Carbon Tetrachloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Chlorobenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Chloroethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Chloroform	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Chloromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	cis-1,2- Dichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	cis-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Dibromochloromethane	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Dibromomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Ethylbenzene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Iodomethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Methylene Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Methyl-tert-butyl-ether (MTBE)	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Styrene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Tetrachloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Toluene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Total Xylenes	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	trans-1,2-Dichloroethene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	trans-1,3-Dichloropropene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL

CHARLOTTE WATER

Laboratory Analysis Report
Report Date: 07/06/2015 18:27

Environmental Laboratory Services

LOCATION: GWO-92445
LOC ID: G-BLANK
SAMPLE DATE-TIME: 06/10/2015 09:00
SAMPLE DESCRIPTION: Grab

CHAIN OF CUSTODY #: 150610023

	Parameter	Result	Units	RL	Method	Start Date	/ Time	Analyst
AF40448	trans-1,4-Dichloro-2-butene	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Trichloroethene	Less than	ug/L	3	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Trichlorofluoromethane	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Vinyl acetate	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL
AF40448	Vinyl Chloride	Less than	ug/L	5	SW846 / 8260B	06/10/2015	20:30	MLL

Comment:

Laboratory Supervisor: _____

The results contained on this report are specific to the samples listed above.

Charlotte Water-Environmental Laboratory Services N.C.
Certification No. 192 N.C.DHHS Certification No. 37417 EPA Certification No. 01215
4222 Westmont Drive, Charlotte, North Carolina 28217

CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

ENVIRONMENTAL LABORATORY SERVICES

4222 Westmont Drive, Charlotte, NC 28217 (704) 336 - 2854 or (704) 622 - 7280
NC DENR Certification No. 192; NC DHHS Certification No. 37417; US EPA Certification No. 01215

CHARLOTTE
CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT

CHAIN OF CUSTODY RECORD

COC #: 1500100323 PAGE 2 OF 2

CLIENT:	Mecklenburg County, LUESA - Solid Waste Services	Send REPORT To:	Amber Grzymski 700 North Tryon Street Charlotte, NC 28202
FACILITY:	Harrisburg Road Landfill, Permit # 60-01	Send INVOICE To:	Joe Hack 700 North Tryon Street Charlotte, NC 28202
ADDRESS:	7819 Harrisburg Road	Sampled By (Print Name):	Amber R. Grzymski
LAB CODE:	HARRISBURG	Witnessed By (Print & Sign Name - If Applicable):	
		Project Name or Code:	HARRISBURG

LOCATION DESCRIPTION: GWO - 92445

Sample ID	Sampler Collector's Initials	Sample Collection: Begin Date / Time	Sample Collection: End Date / Time	Chlorinated System: (Y/N)	Sample Temperature: Collection Temp, °C	Sample Temperature: Receipt Temp, °C	Sample Type: Depth Composite	Sample Type: Auto Composite	Sample Type: Hand Composite	Sample Type: Grab	Sample Containers: Plastic	Sample Containers: Glass	Sample Containers: # of Containers	Chemical Preservative: None	HNO3	H2SO4	NaOH	HCl	Na2S2O3	pH Correct?	Analyses: VOA, EPA 8260	Analyses: Metals (List Below)	CUSTOMER USE ONLY Field Analysis: Conductivity (ms/cm)	CUSTOMER USE ONLY Field Analysis: pH (s.u.)	LAB USE ONLY LABORATORY SAMPLE ID
G-6001-HB2006	ARG	6/10/15 11:45	NA	N	20.5	↑				x		40 ml	2					x			x		0.253	7.0	AF40445A1-A2
G-6001-HB2006	ARG	6/10/15 11:45	NA	N	20.5	25				x	500 ml		1	x					x2		x				↓ B
G-6001-HB2008	ARG	6/10/15 11:55	NA	N	20.3	↑				x		40 ml	2					x			x		0.250	7.2	AF40446A1-A2
G-6001-HB2009	ARG	6/10/15 11:55	NA	N	20.3	7.8				x	500 ml		1	x					x2		x				↓ B
G-6001-HB2010	ARG	6/10/15 11:00	NA	N	20.0	↑				x		40 ml	2					x			x		0.247	6.6	AF40447 A1-A2
G-6001-HB2010	ARG	6/10/15 11:00	NA	N	20.0	6.6				x	500 ml		1	x					x2		x				↓ B
G-BLANK	ARG	6/10/15 9:20	NA	N	19.5	8.1				x		40 ml	2					x			x				AF40448 A1-A2

Instructions:
Complete all yellow shaded areas. Blue areas are for LAB USE ONLY.
For each parameter requested, circle the "x" to verify your request.
Nutrients include: Nitrate/Nitrite, TKN, Total Phosphours, Ammonia
Itemize Metals Here: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Tl, V, Cu, Zn
For Composite samples, record the autosampler BEGIN and END date/time.
For Grab samples, record the collection time as the BEGIN date/time only.
T 360 But To Shows Inward Trend CAB 6/10/15

Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
		6/10/15	1324
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Military Time:

Form Revision 08; Effective April 1, 2012

Title: Sample Receipt Checklist
Release Date: December 12, 2011
Revision Date: January 29, 2013
Version: 2.0

Charlotte-Mecklenburg Utility Department
Environmental Laboratory Services
4222 Westmont Drive
Charlotte, North Carolina 28217

Sample Receipt Checklist

Completed by: Initials: CBB Date/Time: 6/10/15 @1324 COC#: 150610173

Sample Matrix: [X] Wastewater [ ] Drinking Water [ ] *Crypto/Giardia* (LT2) [ ] Other: _____

Customer Name: [ ] WWTP: (Write Plant Name Below) [ ] Industrial Samples [ ] LT2: (Write Customer Name Below)
[ ] LUESA-Water Quality
[ ] CMUD-Water Treatment [ ] LUESA-GWS [X] Other: (Write Customer Name Below) SWS-Harrisburg LF
[ ] Water Distribution [ ] LUESA-SWP

Courier: [ ] CourierNet [X] Customer [ ] CMUD-Laboratory [ ] FedEx [ ] UPS [ ] Other:

Custody Seals on Cooler/Box Present: [ ] Yes [ ] No [X] N/A Custody Seal(s) Intact?: [ ] Yes [ ] No [X] N/A
Shipping Container Intact: [ ] Yes [ ] No [X] N/A Type of Ice Used: [X] Wet [ ] Blue [ ] None
Packing Material Used: [ ] Bubble Wrap/Bags [ ] Peanuts [X] None [ ] Other:

Thermal Preservation:

*Measure sample temperature immediately; Apply the Daily IR Correction Factor.
*Notify management immediately of any samples that do not meet temperature requirements or are frozen.
*If multiple parameters, in additional to BacT are collected for a site, two receipt temperatures must be measured. A receipt temperature for the BacT plus another bottle must be measured and recorded on the COC.

Requirements: DW: < 6.0°C WW: < 6°C BacT: < 10°C LT2 Crypto/Giardia: < 20°C LT2 E. coli: < 10°C

Have all samples requiring a receipt temperature been measured and recorded? [X] Yes [ ] No If no, explain below.

Do all sample receipt temperatures meet requirements? [ ] Yes [X] No If no, explain below.

T°76 But Shows Inward trend

* At time of receipt into the laboratory, if a sample does not meet the temperature requirement, a downward trend is required. Initial temperature from the sample collector becomes critical. If samples are received next day, receipt temperatures must meet requirements listed above.

Chemical Preservation: Note: *If samples are not preserved correctly, notify Personnel. Do not check BacT, TOC, VOA, THM and HAA.

All containers needing preservation have been checked? [X] Yes [ ] No [ ] N/A

All containers needing preservation are found to be in EPA compliance? [X] Yes [ ] No [ ] N/A

If no, explain. _____

*If the pH of a metals (not including Hg) is incorrect, follow these steps.
1. On the COC, document sample pH prior to adding additional preservative.
2. On the COC and sample bottle, document the date/time additional preservative is added to the sample.
3. No comment is needed in LIMS.

*If the pH of any other chemically preserved sample is incorrect (not including metals), follow these steps:
1. Any samples not properly preserved must be qualified with a comment on the COC and in LIMS.
2. Notify personnel immediately of samples not correctly preserved.

If possible, substitute a correctly preserved bottle. Document on the COC and notify personnel. Write "DO NOT USE" on the incorrectly preserved bottle.

COC Properly Filled Out? [X] Yes [ ] No If no, explain. _____

COC Correction sent to Customer? [ ] Yes [ ] No [X] N/A

Do sample labels agree with the COC? [X] Yes [ ] No If no, explain. _____

All sample bottles accounted for? [X] Yes [ ] No Samples Arrived within Hold Time? [X] Yes [ ] No (If no, notify Project Mgr)

Correct Bottles Used? [X] Yes [ ] No CMUD Containers Used? [X] Yes [ ] No

VOA Vials have Zero Headspace (< 6 mm)? [X] Yes [ ] No [ ] N/A *Bubbles should be no larger than: ●

Short Hold Analyses (< 48 hrs)? [ ] Yes [X] No If yes, notify Laboratory Section(s).

Rush Turn Around Time (TAT)? [ ] Yes [X] No If yes, notify Project Manager.