R.I. ANALYTICAL
Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Attn: Mr. Paul Richard
Environ. & Infrastructure, Inc
271 Mill Road
Chelmsford, MA 01824

Date Received: 7/30/2015
Date Reported: 8/6/2015
P.O. #: NEED PO:DON'T USE ES
Work Order #: 1507-16069

DESCRIPTION: PROJ# 7773150052 VEOLIA - KENDALL STATION (NPDES WEEKLY)

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies.
The specific methodologies are listed in the methods column of the Certificate of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.
The Detection Limit is defined as the lowest level that can be reliably achieved during routine laboratory conditions.
The Certificate of Analysis shall not be reproduced except in full, without written approval of R.I. Analytical.
Results relate only to samples submitted to the laboratory for analysis.
Test results are not blank corrected.

Certification # (as applicable to the sample's origin state):
RI LAI0033, MA M-RI015, CT PH-0508, ME RI00015, NH 2537, NY 11726

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

Approved by:

Sharon Bailey

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Date Received: 7/30/2015
Work Order #: 1507-16069

Sample # 001
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE COMP
SAMPLE TYPE:24-HOUR COMPOSITE **SAMPLE DATE/TIME:** 7/29/2015 - 7/30/2015

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
Total Suspended Solids	<2.0	2.0	mg/l	SM2540D 18-21ed	8/5/2015 9:47	TAC

Sample # 002
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE GRAB
SAMPLE TYPE:GRAB **SAMPLE DATE/TIME:** 7/30/2015 @ 10:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
Oil & Grease Gravimetric	0.9	0.5	mg/l	EPA 1664A	8/6/2015 7:45	KMH

Chain of Custody Record

EST Associates, Inc.

EST Associates, Inc.
51 Fremont Street
Needham, MA 02494
Phone (781) 455-0003
Fax (781) 455-8336
www.estassociates.com

Container Type
P - Plastic
G - Glass
V - VOA
B - Bacteria

Sample Type
1. Wastewater
2. Groundwater
3. Soil
4. Drinking Water
5. Surface Water
6. Storm Water
7. Other _____

Laboratory: RI Analytical (978) 568-0041

Lab Invoice To: AMEC
Lab Report To: paul.richard@amecfw.com

EST Invoice To: AMEC
5328-Q#-xx
Q#3920715-15
Proj#7773150052

Site: Veolia - Kendall Station
Address: 265 First Street
Cambridge MA 02142-
Contact: Jim Harrison
Phone #: (617) 483-0966
Description: *NPDES Weekly Sampling*

Client: AMEC
Address: 271 Mill Road
Chelmsford MA 01824-
Contact: Paul Richard
Phone #: (978) 392-5328
Fax #: (978) 692-6633

☐ **Rush** _____Day Turnaround

LOCATION (Sample Identification)	Sample Type	Container Size	Container Type	Container #	Sampling Date	Sampling Time	Preservative *	Laboratory Analysis	Notes
Outfall 009 Manhole Comp	2	1 L	P	1	~~7/30~~ 7/30/15	~~0945~~ 0945	None	TSS	
Outfall 009 Manhole Grab	2	1 L	G	2	7/30/15	1015	H2SO4	Oil & Grease	
								3 SMS!!	

Sampler's Name (Print)	Signature	DATE	TIME
Andrew Hardy	Andrew Hardy	7/30/15	1300

Additional Comments:

9.2°C

pH 16.08

*All samples chilled to 4 degrees celsius.

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	Andrew Hardy	[signature]	7-30-15	14:45
2	[signature]	[signature]	7/30	1600
3	[signature]	[signature]	7/30	1800
4				
5		1507-16069		

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CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Attn: Mr. Paul Richard
Environ. & Infrastructure, Inc
271 Mill Road
Chelmsford, MA 01824

Date Received: 7/22/2015
Date Reported: 7/29/2015
P.O. #: NEED PO:DON'T USE ES
Work Order #: 1507-15411

DESCRIPTION: PROJECT# 7773150052 VEOLIA - KENDALL STA. (NPDES RENEWAL)

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies.
The specific methodologies are listed in the methods column of the Certificate of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.
The Detection Limit is defined as the lowest level that can be reliably achieved during routine laboratory conditions.
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Results relate only to samples submitted to the laboratory for analysis.
Test results are not blank corrected.

Certification # (as applicable to the sample's origin state):
RI LAI0033, MA M-RI015, CT PH-0508, ME RI00015, NH 2537, NY 11726

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

Approved by:

Sharon Baker
MIS / Data Reporting

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Date Received: 7/22/2015
Work Order #: 1507-15411

Sample # 001
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE COMP
SAMPLE TYPE: 24-HOUR COMPOSITE **SAMPLE DATE/TIME:** 7/21/2015 - 7/22/2015

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
Total Suspended Solids	<2.0	2.0	mg/l	SM2540D 18-21ed	7/27/2015	12:46	TAC
Total Phenol	<0.01	0.01	mg/l	EPA 420.1	7/29/2015	17:00	ML
Pesticides / PCB'S							
Aldrin	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Alpha-BHC	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Beta-BHC	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Delta-BHC	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Gamma-BHC	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Chlordane	<0.5	0.5	ug/l	EPA 608	7/29/2015	11:38	JEB
4-4'-DDD	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
4-4'-DDE	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
4-4'-DDT	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Dieldrin	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Endosulfan I	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Endosulfan II	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Endosulfan Sulfate	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Endrin	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Endrin Aldehyde	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Heptachlor	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Heptachlor epoxide	<0.1	0.1	ug/l	EPA 608	7/29/2015	11:38	JEB
Methoxychlor	<0.5	0.5	ug/l	EPA 608	7/29/2015	11:38	JEB
Toxaphene	<5	5	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1016	<0.5	0.5	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1221	<1	1	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1232	<0.5	0.5	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1242	<0.5	0.5	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1248	<0.5	0.5	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1254	<0.5	0.5	ug/l	EPA 608	7/29/2015	9:53	JEB
Aroclor-1260	<0.5	0.5	ug/l	EPA 608	7/29/2015	9:53	JEB
Surrogate			RANGE		7/29/2015	9:53	JEB
Tetrachloro-m-xylene(TCMX)	37		30-150%	EPA 608	7/29/2015	9:53	JEB
Decachlorobiphenyl	72		30-150%	EPA 608	7/29/2015	9:53	JEB
Semi-Volatile Organic Compounds							
Acenaphthene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Acenaphthylene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Anthracene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Benzidine	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Benzo(a)anthracene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Benzo(b)fluoranthene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Benzo(k)fluoranthene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Benzo(g,h,i)perylene	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM

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Amec Foster Wheeler
Date Received: 7/22/2015
Work Order #: 1507-15411

Sample # 001
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE COMP
SAMPLE TYPE: 24-HOUR COMPOSITE **SAMPLE DATE/TIME:** 7/21/2015 - 7/22/2015

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
Benzo(a)pyrene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
bis(2-Chloroethyl)Ether	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Bis(2-Chloroethoxy)methane	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Bis(2-chloroisopropyl)ether	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Bis(2-ethylhexyl)phthalate	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
4-Bromophenyl phenyl ether	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Butylbenzyl phthalate	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
2-Chloronapthalene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
4-Chlorophenyl phenyl ether	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Chrysene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Dibenzo(a,h)anthracene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Di-n-butyl phthalate	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
1,2-Dichlorobenzene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
1,3-Dichlorobenzene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
1,4-Dichlorobenzene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
3,3'-Dichlorobenzidine	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Diethyl phthalate	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Dimethyl phthalate	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
2,4-Dinitrotoluene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
2,6-Dinitrotoluene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Di-n-octyl phthalate	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
1,2-Diphenylhydrazine	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Fluoranthene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Fluorene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Hexachlorobenzene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Hexachlorobutadiene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Hexachlorocyclopentadiene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Hexachloroethane	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Indeno(1,2,3-cd)pyrene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Isophorone	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Naphthalene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Nitrobenzene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
N-nitrosodimethylamine	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
N-nitrosodiphenylamine	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
N-nitrosodi-n-propylamine	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Phenanthrene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
Pyrene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
1,2,4-Trichlorobenzene	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
4-Chloro-3-methylphenol	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
2-Chlorophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
2,4-Dichlorophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM
2,4-Dimethylphenol	<5.0	5.0	ug/l	EPA 625	7/23/2015 17:00	CM

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Date Received: 7/22/2015
Work Order #: 1507-15411

Sample # 001
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE COMP
SAMPLE TYPE:24-HOUR COMPOSITE **SAMPLE DATE/TIME:** 7/21/2015 - 7/22/2015

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
2-Methyl-4,6-dinitrophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
2,4-Dinitrophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
2-Nitrophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
4-Nitrophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Pentachlorophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Phenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
2,4,6-Trichlorophenol	<5.0	5.0	ug/l	EPA 625	7/23/2015	17:00	CM
Surrogates			RANGE	EPA 625	7/23/2015	17:00	CM
Phenol-d5	21		15-110%	EPA 625	7/23/2015	17:00	CM
2-Fluorophenol	27		15-110%	EPA 625	7/23/2015	17:00	CM
2,4,6-Tribromophenol	82		15-110%	EPA 625	7/23/2015	17:00	CM
Nitrobenzene-d5	54		30-130%	EPA 625	7/23/2015	17:00	CM
2-Fluorobiphenyl	65		30-130%	EPA 625	7/23/2015	17:00	CM
P-Terphenyl-d14	88		30-130%	EPA 625	7/23/2015	17:00	CM
Total Metals							
Aluminum	0.126	0.0500	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Antimony	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Arsenic	<0.050	0.050	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Barium	0.229	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Beryllium	<0.002	0.002	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Boron	<0.050	0.050	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Cadmium	<0.002	0.002	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Chromium	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Copper	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Iron	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Lead	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Manganese	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Mercury	<0.0005	0.0005	mg/l	EPA 245.1	7/24/2015	13:12	JRW
Molybdenum	0.041	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Nickel	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Selenium	0.052	0.050	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Silver	<0.025	0.025	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Thallium	<0.050	0.050	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Zinc	<0.050	0.050	mg/l	EPA 200.7	7/27/2015	9:35	JRW
Mercury Digestion				EPA 245.1	7/24/2015	8:22	RBR

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Date Received: 7/22/2015
Work Order #: 1507-15411

Sample # 002
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE GRAB
SAMPLE TYPE: GRAB **SAMPLE DATE/TIME:** 7/22/2015 @ 13:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
pH (field)	7.27		SU		7/22/2015	13:30	*CS
T Residual Chlorine (field)	0.0		mg/l	HACH 8021	7/22/2015	13:30	*CS
Total Residual Chlorine	<0.10	0.10	mg/l	SM4500Cl-G 18-21ed	7/22/2015	23:15	PTT
Total Cyanide	<0.01	0.01	mg/l	SM4500CN-C,E 18-21ed	7/28/2015	12:56	KMH
Oil & Grease Gravimetric	1.8	0.5	mg/l	EPA 1664A	7/29/2015	6:33	KMH
Volatile Organic Compounds							
Chloromethane	<10	10	ug/l	EPA 624	7/23/2015	15:45	KF
Bromomethane	<10	10	ug/l	EPA 624	7/23/2015	15:45	KF
Vinyl Chloride	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Chloroethane	<10	10	ug/l	EPA 624	7/23/2015	15:45	KF
Methylene Chloride	<5	5	ug/l	EPA 624	7/23/2015	15:45	KF
Trichlorofluoromethane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,1-Dichloroethylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,1-Dichloroethane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
trans-1,2-Dichloroethylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Chloroform	5	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,2-Dichloroethane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,1,1-Trichloroethane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Carbon Tetrachloride	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Bromodichloromethane	8	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,2-Dichloropropane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
cis-1,3-Dichloropropylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Trichloroethylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
trans-1,3-Dichloropropylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,1,2-Trichloroethane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Dibromochloromethane	9	1	ug/l	EPA 624	7/23/2015	15:45	KF
Bromoform	2	1	ug/l	EPA 624	7/23/2015	15:45	KF
Tetrachloroethylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,1,2,2-Tetrachloroethane	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Chlorobenzene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
2-Chloroethyl vinyl ether	<2	2	ug/l	EPA 624	7/23/2015	15:45	KF
1,2-Dichlorobenzene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,3-Dichlorobenzene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
1,4-Dichlorobenzene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Benzene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Toluene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Ethylbenzene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Acrolein	<10	10	ug/l	EPA 624	7/23/2015	15:45	KF
Acrylonitrile	<10	10	ug/l	EPA 624	7/23/2015	15:45	KF
Acetone	<10	10	ug/l	EPA 624	7/23/2015	15:45	KF
m,p-Xylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Amec Foster Wheeler
Date Received: 7/22/2015
Work Order #: 1507-15411

Sample # 002
SAMPLE DESCRIPTION: OUTFALL 009 MANHOLE GRAB
SAMPLE TYPE: GRAB **SAMPLE DATE/TIME:** 7/22/2015 @ 13:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED		ANALYST
o-Xylene	<1	1	ug/l	EPA 624	7/23/2015	15:45	KF
Surrogates			RANGE	EPA 624	7/23/2015	15:45	KF
Dibromofluoromethane	103		86-118%	EPA 624	7/23/2015	15:45	KF
Toluene-D8	99		88-110%	EPA 624	7/23/2015	15:45	KF
4-Bromofluorobenzene	96		86-115%	EPA 624	7/23/2015	15:45	KF

The Total Residual Chlorine analysis ideally should be performed in the field. The analysis was performed by the laboratory as soon as possible after receipt.

*CS - Field sampling data was provided by EST Associates, Inc.

Chain of Custody Record

EST Associates, Inc.

EST Associates, Inc.
51 Fremont Street
Needham, MA 02494
Phone (781) 455-0003
Fax (781) 455-8336
www.estassociates.com

Container Type
P - Plastic
G - Glass
V - VOA
B - Bacteria

Sample Type
1. Wastewater
2. Groundwater
3. Soil
4. Drinking Water
5. Surface Water
6. Storm Water
7. Other _____

Laboratory: RI Analytical (978) 568-0041

Lab Invoice To: AMEC
Lab Report To: paul.richard@amecfw.com

EST Invoice To: AMEC
5328-Q#-xx
Q#3920715-15
Proj#7773150052

Site: Veolia - Kendall Station
Address: 265 First Street
Cambridge MA 02142-
Contact: Jim Harrison
Phone #: (617) 483-0966
Description: *NPDES Permit Renewal Application*

Client: AMEC
Address: 271 Mill Road
Chelmsford MA 01824-
Contact: Paul Richard
Phone #: (978) 392-5328
Fax #: (978) 692-6633

☐ **Rush** _____Day Turnaround

LOCATION (Sample Identification)	Sample Type	Container Size	Container Type	Container #	Sampling Date	Sampling Time	Preservative *	Laboratory Analysis	Notes
Outfall 009 Manhole Comp	2	250 ml	P	1	7/21-7/22/15	1130-1130	HNO3	Metals - See comments	pH= 7.27
Outfall 009 Manhole Comp	2	1 L	P	1	↓	↓	None	TSS	TRC = ~~29.2°C~~ 0 ppm
Outfall 009 Manhole Comp	2	1 L	G	2			None	Semi-VOA 625	
Outfall 009 Manhole Comp	2	1 L	G	2			None	PCB / Pest 608	
Outfall 009 Manhole Comp	2	1 L	G	1			None	Phenol	
Outfall 009 Manhole Grab	2	1 L	G	2	7/22/15	1330	H2SO4	Oil & Grease	
Outfall 009 Manhole Grab	2	40 ml	V	2	↓	↓	Na2S2O3	VOA 624	
Outfall 009 Manhole Grab	2	250 ml	P	1			NaOH	Total CN	
Outfall 009 Manhole Grab	2	250 ml	P	1			None	TRC SM4500-CL-G	13 5 14 5510

Sampler's Name (Print)	Signature	DATE	TIME
Andrew Gerety	Andrew Gerety	7/22/15	1515

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	Andrew Gerety		7/22/15	15:30
2			7/22	1600
3			7/22	1800
4				
5		1507-15411		

Additional Comments:
Metals - Al, Ba, B, Fe, Mn, Mo, Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl (Thallium), Zn

2.7

PIS 15709

All samples chilled to 4 degrees celsius.