Attachment 3
Data Usability Summary Reports
(DUSRs)

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 5, 2019

SDG : 680-158544-1

Laboratory: Test America, Savannah, Georgia

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01 (09262018)	680-158544-1	Water
01MS	GWI-01 (09262018)MS	680-158544-1MS	Water
01MSD	GWI-01 (09262018)MSD	680-158544-1MSD	Water
02	FB09272018	680-158544-2	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 524.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
01	Chloromethane	142%/135%/OK	None - Sample ND
	Dichlorodifluoromethane	203%/204%/OK	
	Vinyl Chloride	144%/137%/OK	

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 680-542717/7	Chloromethane	137%	None	All Associated ND
	Dichlorodifluoromethane	194%		
	Vinyl Chloride	135%		

Method Blank (MB) - The method blanks exhibited no target compounds.

Field Blank (FB) - The field blank sample FB09272018 exhibited the following target compounds.

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
FB09272018	Methylene Chloride	0.00056	None	All Associated ND

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
10/09/18 (2153)	Chloromethane	32.7%	UJ	All Samples
	Dichlorodifluoromethane	78.8%		
	Vinyl Chloride	31.3%		

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples were not collected.

Sample Analysis - All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Methods 504.1, 525.2, 548.1, 552.2 & 8270D-SIM

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
01	Dibromochloropropane	OK/136%/OK	None - Sample ND
	Endothall	OK/OK/45	None for RPD alone

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

DIOXIN

USEPA SW-846 Method 1613B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

PESTICIDES & PCBs

USEPA SW-846 Methods 508 & 531.1

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

Pesticides/PCBs			
EDS Sample ID	Surrogate	%R	Qualifier
01	DCBP1	41%	UJ

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
01	Aldrin	OK/OK/27	None for RPD alone
	Heptachlor	51%/OK/29	None - See Surrogate
	gamma-BHC	OK/OK/28	None for RPD alone

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 680-541706/16-A	Aldrin	48%	None	See Surrogate
	Heptachlor	56%		

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

HERBICIDES

USEPA SW-846 Methods 515.1 & 549.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
01	Dalapon	OK/0%/NC	UJ
	Diquat	9%/22%/89	R

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

METALS, MERCURY & CYANIDE

USEPA SW-846 Methods 200.7 Rev 4.4, 200.8, 245.1-1994 R3.0 & 335.4

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier	Affected Samples
01	Sodium	OK/16%/OK	None	4X Rule Applies

Laboratory Control Sample (LCS) - All LCS %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial and Continuing Calibration (ICV/CCV) - The ICVs/CCVs exhibited acceptable percent recoveries (%R).

ICP Serial Dilution - The ICP serial dilution of sample GWI-01 (09262018) exhibited acceptable percent differences (%D).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

NITRATE/NITRITE, CHLORIDE, FLUORIDE, SULFATE, BROMATE & CHLORITE

USEPA SW-846 Method 300.0 & 300.1B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - EDS Sample ID 01 was received outside the 48-hour holding time for nitrate/nitrite. These results were qualified estimated (UJ).

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - The field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: SJ0944.D

Analysis Method: 524.2 | Date Collected: 09/26/2018 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2018 01:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542717 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	~~U~~ TH UJ	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	~~U~~ TH UJ	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I 524.2

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: SJ0944.D

Analysis Method: 524.2 | Date Collected: 09/26/2018 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2018 01:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542717 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U THVJ	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	90		70-130
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: SJ0944-Client.d

Analysis Method: 524.2 | Date Collected: 09/26/2018 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2018 01:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-25-2	Bromoform	0.50	U	0.50	0.17
124-48-1	Chlorodibromomethane	0.50	U	0.50	0.13
67-66-3	Chloroform	0.50	U	0.50	0.20
75-27-4	Dichlorobromomethane	0.50	U	0.50	0.079
STL00209	Trihalomethanes, Total	0.50	U	0.50	0.079

CAS NO.	SURROGATE	%REC	Q	LIMITS
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130
460-00-4	4-Bromofluorobenzene	90		70-130

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: FB09272018 Lab Sample ID: 680-158544-2

Matrix: Water Lab File ID: SJ0943.D

Analysis Method: 524.2 Date Collected: 09/27/2018 12:15

Sample wt/vol: 5(mL) Date Analyzed: 10/10/2018 00:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542717 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U TH J5	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U TH J5	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00056		0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1
SDG No.: 680-158544-1
Client Sample ID: FB09272018 | Lab Sample ID: 680-158544-2
Matrix: Water | Lab File ID: SJ0943.D
Analysis Method: 524.2 | Date Collected: 09/27/2018 12:15
Sample wt/vol: 5(mL) | Date Analyzed: 10/10/2018 00:39
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 542717 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U THUS	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	93		70-130
2199-69-1	1,2-Dichlorobenzene-d4	96		70-130

NW 1/5/19

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: XH04033.D

Analysis Method: 504.1 | Date Collected: 09/26/2018 12:25

Extraction Method: 504.1 | Date Extracted: 10/04/2018 12:26

Sample wt/vol: 35.7(mL) | Date Analyzed: 10/04/2018 18:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542151 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-12-8	Dibromochloropropane	0.000018	U ~~PH~~	0.000018	0.0000024
106-93-4	Ethylene Dibromide	0.000018	U	0.000018	0.0000025

CAS NO.	SURROGATE	%REC	Q	LIMITS
76-01-7	Pentachloroethane (Surr)	112		70-130

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: Yj0316.D

Analysis Method: 525.2 | Date Collected: 09/26/2018 12:25

Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19

Sample wt/vol: 1033.4(mL) | Date Analyzed: 10/03/2018 22:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541911 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00019	U	0.00019	0.000032
1912-24-9	Atrazine	0.00019	U	0.00019	0.000021
50-32-8	Benzo[a]pyrene	0.00019	U	0.00019	0.000028
117-81-7	Di (2-ethylhexyl)phthalate	0.0019	U	0.0019	0.00058
118-74-1	Hexachlorobenzene	0.00019	U	0.00019	0.000040
77-47-4	Hexachlorocyclopentadiene	0.0019	U	0.0019	0.000041
51218-45-2	Metolachlor	0.00019	U	0.00019	0.000019
21087-64-9	Metribuzin	0.00019	U	0.00019	0.000021
1918-16-7	Propachlor	0.00019	U	0.00019	0.000024
122-34-9	Simazine	0.00048	U	0.00048	0.000034

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	97		70-130
1520-96-3	Perylene-d12	88		70-130
115-86-6	Triphenylphosphate	100		70-130

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: Yj0316.D

Analysis Method: 525.2 | Date Collected: 09/26/2018 12:25

Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19

Sample wt/vol: 1033.4(mL) | Date Analyzed: 10/03/2018 22:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541911 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	Butachlor	0.48	U	0.48	0.031
103-23-1	Di(2-ethylhexyl)adipate	1.5	U	1.5	0.58

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 1rJ02022.D

Analysis Method: 548.1 | Date Collected: 09/26/2018 12:25

Extract. Method: 548.1 | Date Extracted: 10/01/2018 07:28

Sample wt/vol: 100(mL) | Date Analyzed: 10/02/2018 16:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541704 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
145-73-3	Endothall	10	U P	10	6.3

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: U3312187.D

Analysis Method: 8270D SIM ID | Date Collected: 09/26/2018 12:25

Extract. Method: 3510C | Date Extracted: 10/03/2018 14:25

Sample wt/vol: 1000(mL) | Date Analyzed: 10/08/2018 04:16

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 438106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	35		15-110

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GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: YJ04012.D

Analysis Method: 552.2 | Date Collected: 09/26/2018 12:25

Extraction Method: 552.2 | Date Extracted: 10/04/2018 07:12

Sample wt/vol: 40(mL) | Date Analyzed: 10/05/2018 13:53

Con. Extract Vol.: 4(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542230 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-11-8	Monochloroacetic acid	1.0	U	1.0	0.40
79-08-3	Monobromoacetic acid	1.0	U	1.0	0.75
79-43-6	Dichloroacetic acid	1.0	U	1.0	0.98
76-03-9	Trichloroacetic acid	1.0	U	1.0	0.38
631-64-1	Dibromoacetic acid	1.0	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
600-05-5	2,3-Dibromopropionic acid	96		70-130

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GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID:

Analysis Method: 552.2 | Date Collected: 09/26/2018 12:25

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 10/05/2018 13:53

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: | GC Column: ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542548 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00112	Total Haloacetic Acids	1.0	U	1.0	0.38
STL01558	Total Haloacetic Acids 5	1.0	U	1.0	0.38

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FORM I
DIOXIN ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 680-158544-i-1-a.d

Analysis Method: 1613B | Date Collected: 09/26/2018 12:25

Extract. Method: HRMS-Sepf | Date Extracted: 10/10/2018 09:41

Sample wt/vol: 1055.4(mL) | Date Analyzed: 10/17/2018 06:54

Con. Extract Vol.: 20(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 24527 | Units: pg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	EDL
1746-01-6	2,3,7,8-TCDD	9.5	U	9.5	0.13

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
76523-40-5	13C-2,3,7,8-TCDD	79		25-164

CAS NO.	SURROGATE	%REC	Q	LIMITS
85508-50-5	37Cl4-2,3,7,8-TCDD	91		35-197

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FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: KJ030035.D

Analysis Method: 508 | Date Collected: 09/26/2018 12:25

Extraction Method: 508 | Date Extracted: 10/02/2018 09:57

Sample wt/vol: 1041(mL) | Date Analyzed: 10/03/2018 23:04

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542027 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.000024	U P TL UJ	0.000024	0.0000014
12789-03-6	Chlordane (technical)	0.00024	U UJ	0.00024	0.0000016
60-57-1	Dieldrin	0.000024	U P UJ	0.000024	0.0000015
72-20-8	Endrin	0.000024	U UJ	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	U P UJ	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	U P TL UJ	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	U P	0.000024	0.0000016
72-43-5	Methoxychlor	0.000024	U	0.000024	0.0000075
12674-11-2	PCB-1016	0.00048	U	0.00048	0.000068
11104-28-2	PCB-1221	0.00048	U	0.00048	0.00012
11141-16-5	PCB-1232	0.00048	U	0.00048	0.000070
53469-21-9	PCB-1242	0.00048	U	0.00048	0.000062
12672-29-6	PCB-1248	0.00048	U	0.00048	0.000044
11097-69-1	PCB-1254	0.00048	U	0.00048	0.000095
11096-82-5	PCB-1260	0.00048	U	0.00048	0.000082
1336-36-3	Polychlorinated biphenyls, Total	0.00048	U	0.00048	0.000044
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000056

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FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 2Q100323.D

Analysis Method: 531.1 | Date Collected: 09/26/2018 12:25

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 10/04/2018 01:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 200(uL) | GC Column: C8 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541984 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
116-06-3	Aldicarb	0.0025	U	0.0025	0.00050
1646-88-4	Aldicarb sulfone	0.0025	U	0.0025	0.00025
1646-87-3	Aldicarb sulfoxide	0.0025	U	0.0025	0.00025
63-25-2	Carbaryl	0.0025	U	0.0025	0.00025
1563-66-2	Carbofuran	0.0025	U	0.0025	0.00025
16655-82-6	3-Hydroxycarbofuran	0.0025	U	0.0025	0.00025
16752-77-5	Methomyl	0.0025	U	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U	0.0025	0.00037

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FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: SJ100016.D

Analysis Method: 515.1 | Date Collected: 09/26/2018 12:25

Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38

Sample wt/vol: 1056.4(mL) | Date Analyzed: 10/11/2018 00:11

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542983 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.00047	U	0.00047	0.000035
75-99-0	Dalapon	0.0047	~~U~~ TL ~~P~~ UJ	0.0047	0.00095
88-85-7	Dinoseb	0.00095	U	0.00095	0.00014
87-86-5	Pentachlorophenol	0.00019	U	0.00019	0.000036
1918-02-1	Picloram	0.00047	U	0.00047	0.000073
93-72-1	Silvex (2,4,5-TP)	0.00024	U	0.00024	0.000057

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	87		70-130

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FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: SJ100016.D

Analysis Method: 515.1 | Date Collected: 09/26/2018 12:25

Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38

Sample wt/vol: 1056.4(mL) | Date Analyzed: 10/11/2018 00:11

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542983 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.47	U	0.47	0.080

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FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 1K100319.D

Analysis Method: 549.2 | Date Collected: 09/26/2018 12:25

Extraction Method: 549.2 | Date Extracted: 10/02/2018 06:48

Sample wt/vol: 250(mL) | Date Analyzed: 10/03/2018 17:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541967 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
231-36-7	Diquat	2.0	U ~~TL~~ T R	2.0	0.40

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: GWI-01(09262018)
Lab Sample ID: 680-158544-1
Lab Name: TestAmerica Savannah
Job No.: 680-158544-1
SDG ID.: 680-158544-1
Matrix: Water
Date Sampled: 09/26/2018 12:25
Reporting Basis: WET
Date Received: 09/28/2018 14:29

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.55	0.050	0.017	mg/L			1	200.7 Rev 4.4
7439-96-5	Manganese	0.61	0.010	0.0010	mg/L			1	200.7 Rev 4.4
7440-22-4	Silver	0.010	0.010	0.00060	mg/L	U		1	200.7 Rev 4.4
7440-23-5	Sodium	33.3	1.0	0.48	mg/L			1	200.7 Rev 4.4
7440-66-6	Zinc	0.020	0.020	0.0070	mg/L	U		1	200.7 Rev 4.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8
7440-39-3	Barium	112	2.0	0.14	ug/L			1	200.8
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8
7440-02-0	Nickel	0.44	5.0	0.40	ug/L	J		1	200.8
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

NW 1/5/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GWI-01(09262018)
Lab Sample ID: 680-158544-1
Lab Name: TestAmerica Savannah
Job No.: 680-158544-1
SDG ID.: 680-158544-1
Matrix: Water
Date Sampled: 09/26/2018 12:25
Reporting Basis: WET
Date Received: 09/28/2018 14:29

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0025	mg/L	U		1	335.4

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 0017.d

Analysis Method: 300.0 | Date Collected: 09/26/2018 12:25

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2018 14:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541410 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00217	Nitrate Nitrite as N	0.050	U ~~HT~~	UJ 0.050	0.023
14797-65-0	Nitrite as N	0.050	U ~~HT~~	0.050	0.023
STL00673	Nitrite as NO2	0.17	U ~~HT~~	0.17	0.082

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FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 0038.d

Analysis Method: 300.0 | Date Collected: 09/26/2018 12:25

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 10/23/2018 16:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 544524 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	54		0.50	0.20
16984-48-8	Fluoride	0.058	J	0.10	0.040
14808-79-8	Sulfate	29		1.0	0.40

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) Lab Sample ID: 680-158544-1

Matrix: Water Lab File ID: 0013.d

Analysis Method: 300.1B Date Collected: 09/26/2018 12:25

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 10/01/2018 21:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS9-HC ID: 2(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 541631 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15541-45-4	Bromate	0.0050	U	0.0050	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	99		90-115

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158544-1

SDG No.: 680-158544-1

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 0031.d

Analysis Method: 300.1B | Date Collected: 09/26/2018 12:25

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 10/02/2018 06:54

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541731 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14998-27-7	Chlorite	0.020	U	0.020	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	98		90-115

FORM I 300.1B

NW 11/5/19

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: July 19, 2019

SDG : 680-158544-1

Laboratory: Eurofins Test America, Savannah, Georgia and St. Louis, Missouri; EMSL Analytical, Inc., Cinnaminson, New Jersey; GEL Laboratories, Charleston, South Carolina, St. Peter's Hospital Environmental Laboratory, Albany, New York

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01 (09262018)	680-158544-1	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

COLOR, TURBIDITY, ODOR, ASBESTOS, GROSS ALPHA/BETA, RA-226, RA-228, URANIUM, FECAL COLIFORM, TOTAL COLIFORM

Analytical Methods SM2120B, SM2130B, SM2150B, 100.2, 900.0, 903.0, 904.0, 200.2/200.8, SM9222D, SM9222B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met except turbidity and odor which were received outside of holding time and therefore, qualified estimated (J).

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD samples exhibited acceptable %R and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: GWI-01(09262018)
Lab Sample ID: 680-158544-1
Lab Name: TestAmerica Savannah
Job No.: 680-158544-1
SDG ID.: 680-158544-1
Matrix: Water
Date Sampled: 09/26/2018 12:25
Reporting Basis: WET
Date Received: 09/28/2018 14:29

CAS No.	Analyte	Result		RL		Units	C	Q	DIL	Method
	Color	10.0		5.00		PCU			1	SM 2120B
	Turbidity	3.12	J	0.100		NTU		HT	1	SM 2130B
	Odor at 60°C	1.00	J	1.00		T.O.N.		~~HT~~	1	SM 2150B

MW 7/19/19

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	041830430
Customer ID:	STLS77
Customer PO:	
Project ID:	

Attn: John Schove
TestAmerica Laboratories, Inc.
5102 LaRoche Avenue
Savannah, GA 31404

Phone:	(912) 354-7858
Fax:	(912) 352-0165
Collected:	09/26/2018
Received:	10/09/2018
Analyzed:	10/10/2018

Proj: NYS DOH Part 5, Subpart 5-1 / 68020710

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)	
WY-LOC-1-0926201 8 (680-158548-1) 041830430-0001	10/9/2018 12:30 PM	1	1387	0.2580	None Detected	ND	5.40	<5.40	0.00 - 20.00

Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Ted Young (1)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Any questions please contact Benjamin Ellis.

Initial report from: 10/10/2018 10:41:42

NJ 7/19/19

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 396889

Lab ID: MB 160-396889/1-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue11 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	0.1872	0.442	0.443	U	pCi/L	3.00	0.811	14	53	0.070	0.053	0.20451	397747
Gross Beta	0.04188	0.484	0.484	U	pCi/L	4.00	0.857	81	390	0.405	0.390	0.46067	397747

Lab ID: LCS 160-396889/2-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue12 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	39.85	4.23	6.21		pCi/L	3.00	1.53	375	47	1.875	0.047	0.10331	397747

Lab ID: LCSB 160-396889/3-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue13 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCSB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Beta	86.28	3.06	9.15		pCi/L	4.00	0.846	3327	300	16.635	0.300	0.42565	397747

Lab ID: 680-158544-1 | Analyzed: 10/27/18 13:14 | Decay Corrected: No | Ts: 200
Client ID: GWI-01(09262018) | Detector: Blue17 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	3.43	2.30	2.33	G	pCi/L	3.00	3.25	32	72	0.160	0.072	0.09032	397747
Gross Beta	2.94	1.11	1.14		pCi/L	4.00	1.45	140	318	0.700	0.318	0.40432	397747

Lab ID: 680-158544-1 MS | Analyzed: 10/27/18 13:17 | Decay Corrected: No | Ts: 200
Client ID: GWI-01(09262018)-MS | Detector: Protean0 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	64.13	6.93	10.1		pCi/L	3.00	3.40	386	103	1.930	0.103	0.10026	397749

NW 7/19/19

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 393206

Lab ID: LCS 160-393206/1-A
Client ID:
Sigma: 2
Analyzed: 10/12/18 12:36
Detector: Orange9
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	22.83	2.47	3.21		pCi/L	1.00	0.824	358	78	3.580	0.078	0.21108	394747

Carrier	LCS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.02050				g		0.0339	60.5	40 - 110

Lab ID: 680-158544-1
Client ID: GWI-01(09262018)
Sigma: 2
Analyzed: 10/12/18 12:36
Detector: Orange11
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	0.549	0.428	0.431	U	pCi/L	1.00	0.614	22	97	0.220	0.097	0.19626	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0322				g		0.0339	95.0	40 - 110

Lab ID: 680-158544-1 MS
Client ID: GWI-01(09262018)-MS
Sigma: 2
Analyzed: 10/12/18 12:36
Detector: Orange12
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

Analyte	MS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	22.77	2.04	2.89		pCi/L	1.00	0.555	513	73	5.130	0.073	0.19340	394747

Carrier	MS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.03240				g		0.0339	95.6	40 - 110

Lab ID: 680-158544-1 MSD
Client ID: GWI-01(09262018)-MSD
Sigma: 2
Analyzed: 10/12/18 12:36
Detector: Orange13
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

Analyte	MSD Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	23.31	2.08	2.95		pCi/L	1.00	0.639	526	104	5.260	0.104	0.19380	394747

Carrier	MSD Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.03220				g		0.0339	95.0	40 - 110

MW 7/19/19

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 393205

Lab ID: LCS 160-393205/1-A | Analyzed: 10/11/18 08:54 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue0 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	19.13	1.03	2.04		pCi/L	1.00	0.453	1537	384	7.685	0.384	0.44525	394286

Carrier	LCS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.03460				g		0.0339	102	40 - 110
Y	0.02250				g		0.0268	84.1	40 - 110

Lab ID: 680-158544-1 | Analyzed: 10/11/18 08:55 | Decay Corrected: No | Ts: 200
Client ID: GWI-01(09262018) | Detector: Blue3 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.597	0.307	0.311		pCi/L	1.00	0.451	121	378	0.605	0.378	0.44607	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0371				g		0.0339	109	40 - 110
Y	0.0209				g		0.0268	78.1	40 - 110

Lab ID: 680-158544-1 MS | Analyzed: 10/11/18 08:55 | Decay Corrected: No | Ts: 200
Client ID: GWI-01(09262018)-MS | Detector: Blue4 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	16.34	0.960	1.78		pCi/L	1.00	0.407	1283	291	6.415	0.291	0.43152	394286

Carrier	MS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.03450				g		0.0339	102	40 - 110
Y	0.02290				g		0.0268	85.6	40 - 110

Lab ID: 680-158544-1 MSD | Analyzed: 10/11/18 08:55 | Decay Corrected: No | Ts: 200
Client ID: GWI-01(09262018)-MSD | Detector: Blue5 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MSD Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	20.15	1.04	2.12		pCi/L	1.00	0.408	1645	324	8.225	0.324	0.44252	394286

Carrier	MSD Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.03630				g		0.0339	107	40 - 110
Y	0.02220				g		0.0268	83.0	40 - 110

NW 7/19/19

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

1

Certificate of Analysis

Report Date: October 10, 2018

Company :	TestAmerica Buffalo
Address :	10 Hazelwood Dr #106
	Amherst, New York 14228
Contact:	Mr. John Schove
Project:	Buffalo - Schove

Client Sample ID:	WY-LOC-1-09262018 (680-158548-1)	Project:	TSTA00818
Sample ID:	460816001	Client ID:	TSTA004
Matrix:	Water		
Collect Date:	26-SEP-18 12:25		
Receive Date:	03-OCT-18		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
200.2/200.8 Uranium "As Received"												
Uranium		0.905	0.067	0.200	ug/L	1.00	1	SKJ	10/08/18	1941	1808984	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 200.2	ICP-MS 200.2 PREP	JXM8	10/04/18	2106	1808983

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 200.8	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

NW 7/19/19

(518) 525-5479, 5480 **St. Peter's Hospital Environmental Laboratory** 19 Warehouse Row, Albany, NY 12205

1

TestAmerica Buffalo

10 Hazelwood Drive
Amherst ,NY 14228

Printed On : 9/27/2018 Page 1 of 2

Sample ID: **AY14658**
Date Received: 09/26/2018
Time Received: 15:01
Date Finalized: 9/27/2018
PO Number:
Your Ref:

Customer: TestAmerica Buffalo
Owner: WY-LOC-1-09262018
Sample Loc: WY-LOC-1-09262018
Sample Pt: WY-LOC-1-09262018

Collect Date: 09/26/2018
Collect Time: 12:25
Collected by:
Receipt Temp: 12 C on ice chilling

Water Source: GW
Chlorinated: No *Field Residual Chlorine:*

Potable: No
Grab/Comp:

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Fecal Coliform	<10			per 100 mL	SM9222D	EL	9/26/2018
Total Coliform	81			per 100 mL	SM9222B (-97)	EL	9/26/2018

Qualifiers Key:

X	Exceeds maximum contamination limit	R	Duplication outside acceptance limits	H	Hold time exceeded
T	Temperature outside specifications	A	Sample contained air bubble or headspace	B	Analyte detected in blank
P	Sample preserved at lab	Z	Analysis is not state-certified	C	Incorrect bottle received
S(+/-)	Lab control sample outside acceptance limits	M(+/-)	Matrix spike recovery outside acceptance limits		
(+ Result may be biased high / - Result may be biased low)					

Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

10 Ml Dilution Used.(0 Fecal Coliform Colonies)
1 Ml Dilution Used.(0 Fecal Coliform Colonies)
0.1 Ml Dilution Used.(0 Fecal Coliform Colonies)

10 Ml Dilution Used.(7 Total Coliform Colonies)
1 Ml Dilution Used.(2 Total Coliform Colonies)
0.1 Ml Dilution Used.(0 Total Coliform Colonies)

Sample was NEGATIVE when screened for total residual chlorine in laboratory.
Bacteriological sample was set up on 09/26/18 at 16:00.

Test procedures for all analyses meet NELAC requirements unless noted.

NW 7/19/19

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 9, 2019

SDG : 680-158544-2

Laboratory: Test America, Sacramento, California

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01 (09262018)	680-158544-1	Water
01MS	GWI-01 (09262018)MS	680-158544-1MS	Water
01MSD	GWI-01 (09262018)MSD	680-158544-1MSD	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks exhibited the following target compounds.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
MB 320-250962/1-A	PFHxS	0.377	U	1

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries.

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 680-158544-2

SDG No.: 680-158544-2

Client Sample ID: GWI-01(09262018) | Lab Sample ID: 680-158544-1

Matrix: Water | Lab File ID: 2018.10.15LLB_020.d

Analysis Method: 537 (modified) | Date Collected: 09/26/2018 12:25

Extraction Method: 3535 | Date Extracted: 10/10/2018 06:31

Sample wt/vol: 285.8(mL) | Date Analyzed: 10/16/2018 07:37

Con. Extract Vol.: 10.00(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 252491 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.5		1.7	0.31
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.43	U	1.7	0.43
307-24-4	Perfluorohexanoic acid (PFHxA)	0.51	U	1.7	0.51
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.22	U	1.7	0.22
335-67-1	Perfluorooctanoic acid (PFOA)	0.74	U	1.7	0.74
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	1.7	0.24
335-76-2	Perfluorodecanoic acid (PFDA)	0.27	U	1.7	0.27
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.96	U	1.7	0.96
307-55-1	Perfluorododecanoic acid (PFDoA)	0.48	U	1.7	0.48
72629-94-8	Perfluoro-n-tridecanoic acid	1.1	U	1.7	1.1
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.25	U	1.7	0.25
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.17	U	1.7	0.17
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.31	~~J B~~ U	1.7	0.15
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.17	U	1.7	0.17
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.47	U	1.7	0.47
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.28	U	1.7	0.28
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.31	U	1.7	0.31
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.7	U	17	2.7
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.7	U	17	1.7
27619-97-2	6:2 FTS	1.7	U	17	1.7
39108-34-4	8:2 FTS	1.7	U	17	1.7
13252-13-6	HFPO-DA (GenX)	1.3	U	3.5	1.3

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 5, 2019

SDG : 680-158549-1

Laboratory: Test America, Savannah, Georgia & GEL Laboratories, LLC, Charleston, South Carolina

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-02(09272018)	680-158587-1	Water
02	GWI-03(09272018)	680-158587-2	Water
03	GWI-DUP(09272018)	680-158587-3	Water
04	FB-02-09272018	680-158587-4	Water
05	TB09282018	680-158587-5	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 524.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 680-542651/3	Dichlorodifluoromethane	182%	None	All Associated ND

Method Blank (MB) - The method blanks exhibited no target compounds.

Field Blank/Trip Blank (FB/TB) - The field blank sample FB-02-09272018 and the trip blank sample TB09282018 exhibited the following target compounds.

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
FB-02-09272018	Methylene Chloride	0.00052	None	All Associated ND
TB09282018	Xylenes, Total	0.00010	None	All Associated ND

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
10/09/18 (0827)	1,2,3-Trichloropropane	28.4%	UJ	All Samples
	Dichlorodifluoromethane	92.6%		
	Vinyl Chloride	28.5%		

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Methods 504.1, 525.2, 548.1, 552.2 & 8270D-SIM

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

Method 525.2			
EDS Sample ID	Surrogate	%R	Qualifier
01	Triphenylphosphate	170%	J/UJ
	Perylene-d12	59%	
01RE	Triphenylphosphate	134%	UJ
	Perylene-d12	49%	
03	Triphenylphosphate	191%	UJ
	Perylene-d12	57%	
03RE	Triphenylphosphate	156%	UJ
	Perylene-d12	40%	

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-DUP(09272018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

Method 548.1			
EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
03	Endothall	OK/OK/37	None for RPD alone

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited the following target compounds.

Method 525.2				
Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
MB 680-542993/5-A	Di(2-ethylhexyl)phthalate	0.000808	U	1

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - For Method 525.2, EDS Sample IDs 01 and 03 were reanalyzed due to surrogate deficiencies and the reanalysis yielded similar results. Use the original results for reporting purposes.

DIOXIN

USEPA SW-846 Method 1613B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

EDS Sample ID	Surrogate	%R	Qualifier
02	13C-2,3,7,8-TCDD	16%	UJ
	37C14-2,3,7,8-TCDD	17%	

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

PESTICIDES, CARBAMATE PESTICIDES & PCBs

USEPA SW-846 Methods 508 & 531.1

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

Method 508			
EDS Sample ID	Surrogate	%R	Qualifier
03	DCBP1	62%	UJ

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

HERBICIDES

USEPA SW-846 Methods 515.1, 547 & 549.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

Method 515.1			
EDS Sample ID	Surrogate	%R	Qualifier
02	2,4-Dichlorophenylacetic acid	62%	UJ

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

METALS, MERCURY & CYANIDE

USEPA SW-846 Methods 200.7 Rev 4.4, 200.8, 245.1-1994 R3.0 & 335.4

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All LCS %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial and Continuing Calibration (ICV/CCV) - The ICVs/CCVs exhibited acceptable percent recoveries (%R).

ICP Serial Dilution - An ICP serial dilution was not performed.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

GROSS ALPHA & BETA, RADIUM-226 & RADIUM-228

USEPA SW-846 Methods 900.0, 903.0 & 904.0

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Laboratory Control Sample (LCS) - All LCS %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited the following radium counts.

Blank ID	Compound	Conc. pCi/L	Qualifier	Affected Samples
MB 160-393206/9-A	Ra-226	0.06903 ± 0.448	None	All Associated >10X

Daily Checks - All efficiency and background daily checks were acceptable.

Calibrations - All calibration criteria were met.

Carrier Recovery - All carrier percent recoveries were met.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values for Radium-226 and Radium-228.

Sample Analysis - The laboratory flagged gross alpha (G) in samples GWI-02 and GWI-03 indicating that the sample MDC is greater than the requested reporting limit. The reviewer removed this flag and no further action was required.

NITRATE/NITRITE, CHLORIDE, FLUORIDE, SULFATE, BROMATE & CHLORITE

USEPA SW-846 Method 300.0 & 300.1B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: SJ0817.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 16:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-25-2	Bromoform	0.50	U	0.50	0.17
124-48-1	Chlorodibromomethane	0.50	U	0.50	0.13
67-66-3	Chloroform	0.50	U	0.50	0.20
75-27-4	Dichlorobromomethane	0.50	U	0.50	0.079
STL00209	Trihalomethanes, Total	0.50	U	0.50	0.079

CAS NO.	SURROGATE	%REC	Q	LIMITS
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130
460-00-4	4-Bromofluorobenzene	96		70-130

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: SJ0924.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 17:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	~~J~~ U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

AJW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) Lab Sample ID: 680-158587-1

Matrix: Water Lab File ID: SJ0924.D

Analysis Method: 524.2 Date Collected: 09/27/2018 13:35

Sample wt/vol: 5(mL) Date Analyzed: 10/09/2018 17:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542651 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.000090	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	~~U~~ UJ	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	~~U~~ UJ	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	90		70-130
2199-69-1	1,2-Dichlorobenzene-d4	100		70-130

MW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: SJ0818.D
Analysis Method: 524.2 | Date Collected: 09/27/2018 14:30
Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 16:53
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 542506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-25-2	Bromoform	0.50	U	0.50	0.17
124-48-1	Chlorodibromomethane	0.50	U	0.50	0.13
67-66-3	Chloroform	0.50	U	0.50	0.20
75-27-4	Dichlorobromomethane	0.50	U	0.50	0.079
STL00209	Trihalomethanes, Total	0.50	U	0.50	0.079

CAS NO.	SURROGATE	%REC	Q	LIMITS
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130
460-00-4	4-Bromofluorobenzene	95		70-130

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2

Matrix: Water | Lab File ID: SJ0925.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 17:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U TH U5	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2

Matrix: Water | Lab File ID: SJ0925.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 17:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.000090	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	~~U~~ UJ	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	~~U~~ UJ	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	93		70-130
2199-69-1	1,2-Dichlorobenzene-d4	103		70-130

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: SJ0819.D
Analysis Method: 524.2 | Date Collected: 09/27/2018 13:40
Sample wt/vol: 5(mL) | Date Analyzed: 10/08/2018 17:17
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 542506 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-25-2	Bromoform	0.50	U	0.50	0.17
124-48-1	Chlorodibromomethane	0.50	U	0.50	0.13
67-66-3	Chloroform	0.50	U	0.50	0.20
75-27-4	Dichlorobromomethane	0.50	U	0.50	0.079
STL00209	Trihalomethanes, Total	0.50	U	0.50	0.079

CAS NO.	SURROGATE	%REC	Q	LIMITS
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130
460-00-4	4-Bromofluorobenzene	91		70-130

NW 11/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3

Matrix: Water | Lab File ID: SJ0926.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 13:40

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 17:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U TH J5	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

NN 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: SJ0926.D
Analysis Method: 524.2 | Date Collected: 09/27/2018 13:40
Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 17:56
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00010	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	~~U~~ UJ	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	~~U~~ UJ	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	91		70-130
2199-69-1	1,2-Dichlorobenzene-d4	106		70-130

NW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: FB-02-09272018 | Lab Sample ID: 680-158587-4

Matrix: Water | Lab File ID: SJ0916.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 17:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 14:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	~~U~~ TH U5	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00052		0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

MW 1/5/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: FB-02-09272018 | Lab Sample ID: 680-158587-4

Matrix: Water | Lab File ID: SJ0916.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 17:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 14:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	~~U~~ UJ	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	~~U~~ UJ	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	95		70-130
2199-69-1	1,2-Dichlorobenzene-d4	105		70-130

NW 1/5/19

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: TB09282018 | Lab Sample ID: 680-158587-5

Matrix: Water | Lab File ID: SJ0919.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 15:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	U	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U TH 05	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I 524.2

NW 10/5/18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: TB09282018 | Lab Sample ID: 680-158587-5

Matrix: Water | Lab File ID: SJ0919.D

Analysis Method: 524.2 | Date Collected: 09/27/2018 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/09/2018 15:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 542651 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	~~U~~ UJ	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	~~U~~ UJ	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00010	J	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	95		70-130
2199-69-1	1,2-Dichlorobenzene-d4	100		70-130

NW 11/5/19

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: XH04032.D

Analysis Method: 504.1 | Date Collected: 09/27/2018 13:35

Extraction Method: 504.1 | Date Extracted: 10/04/2018 12:26

Sample wt/vol: 36(mL) | Date Analyzed: 10/04/2018 18:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542151 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-12-8	Dibromochloropropane	0.000018	U ~~TH~~	0.000018	0.0000023
106-93-4	Ethylene Dibromide	0.000018	U	0.000018	0.0000024

CAS NO.	SURROGATE	%REC	Q	LIMITS
76-01-7	Pentachloroethane	107		70-130

NW 1/5/19

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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2

Matrix: Water | Lab File ID: XH04031.D

Analysis Method: 504.1 | Date Collected: 09/27/2018 14:30

Extraction Method: 504.1 | Date Extracted: 10/04/2018 12:26

Sample wt/vol: 35.5(mL) | Date Analyzed: 10/04/2018 18:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542151 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-12-8	Dibromochloropropane	0.000018	U TH	0.000018	0.0000024
106-93-4	Ethylene Dibromide	0.000018	U	0.000018	0.0000025

CAS NO.	SURROGATE	%REC	Q	LIMITS
76-01-7	Pentachloroethane	101		70-130

NW 1/5/19

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: XH04036.D
Analysis Method: 504.1 | Date Collected: 09/27/2018 13:40
Extraction Method: 504.1 | Date Extracted: 10/04/2018 12:26
Sample wt/vol: 37.1(mL) | Date Analyzed: 10/04/2018 19:19
Con. Extract Vol.: 2(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542151 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-12-8	Dibromochloropropane	0.000017	U TH	0.000017	0.0000023
106-93-4	Ethylene Dibromide	0.000017	U	0.000017	0.0000024

CAS NO.	SURROGATE	%REC	Q	LIMITS
76-01-7	Pentachloroethane	106		70-130

NJ 1/5/19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: Yj0404.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 13:35

Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19

Sample wt/vol: 1014.5(mL) | Date Analyzed: 10/04/2018 17:21

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542079 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	U UJ	0.00020	0.000033
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	U	0.00020	0.000029
117-81-7	Di (2-ethylhexyl)phthalate	0.0020 ~~0.00072~~	J UJ	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	U UJ	0.00020	0.000040
77-47-4	Hexachlorocyclopentadiene	0.0020	U	0.0020	0.000041
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	U	0.00020	0.000022
1918-16-7	Propachlor	0.00020	U	0.00020	0.000025
122-34-9	Simazine	0.00049	U	0.00049	0.000034

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	98		70-130
1520-96-3	Perylene-d12	59	~~TL~~	70-130
115-86-6	Triphenylphosphate	170	~~TH~~	70-130

FORM I 525.2

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: Yj0404.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 13:35

Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19

Sample wt/vol: 1014.5(mL) | Date Analyzed: 10/04/2018 17:21

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542079 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	Butachlor	0.49	~~U~~ UJ	0.49	0.032
103-23-1	Di(2-ethylhexyl)adipate	0.83	~~J~~ J	1.5	0.59

NW 11/5/19

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) RE | Lab Sample ID: 680-158587-1 RE

Matrix: Water | Lab File ID: Yj1225.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 13:35

Extract. Method: 525.2 | Date Extracted: 10/11/2018 07:45

Sample wt/vol: 1012.2(mL) | Date Analyzed: 10/12/2018 23:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 543121 | Units: mg/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	U J3	0.00020	0.000033
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	U	0.00020	0.000029
117-81-7	Di (2-ethylhexyl)phthalate	0.0020	U	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	U	0.00020	0.000041
77-47-4	Hexachlorocyclopentadiene	0.0020	U	0.0020	0.000041
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	U	0.00020	0.000022
1918-16-7	Propachlor	0.00020	U	0.00020	0.000025
122-34-9	Simazine	0.00049	U	0.00049	0.000035

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	100		70-130
1520-96-3	Perylene-d12	49	~~TL~~	70-130
115-86-6	Triphenylphosphate	134	~~TH~~	70-130

MW 11/5/19

1RE

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) RE | Lab Sample ID: 680-158587-1 RE

Matrix: Water | Lab File ID: Yj1225.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 13:35

Extract. Method: 525.2 | Date Extracted: 10/11/2018 07:45

Sample wt/vol: 1012.2(mL) | Date Analyzed: 10/12/2018 23:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 543121 | Units: ug/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	*Butachlor*	*0.49*	U U3	*0.49*	*0.032*
103-23-1	*Di(2-ethylhexyl)adipate*	*1.5*	U ↓	*1.5*	*0.59*

FORM I 525.2

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: Yj0405.D
Analysis Method: 525.2 | Date Collected: 09/27/2018 14:30
Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19
Sample wt/vol: 1031.1(mL) | Date Analyzed: 10/04/2018 17:48
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542079 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00019	U	0.00019	0.000032
1912-24-9	Atrazine	0.00019	U	0.00019	0.000021
50-32-8	Benzo[a]pyrene	0.00019	U	0.00019	0.000028
117-81-7	Di (2-ethylhexyl)phthalate	0.0019	U	0.0019	0.00058
118-74-1	Hexachlorobenzene	0.00019	U	0.00019	0.000040
77-47-4	Hexachlorocyclopentadiene	0.0019	U	0.0019	0.000041
51218-45-2	Metolachlor	0.00019	U	0.00019	0.000019
21087-64-9	Metribuzin	0.00019	U	0.00019	0.000021
1918-16-7	Propachlor	0.00019	U	0.00019	0.000024
122-34-9	Simazine	0.00048	U	0.00048	0.000034

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	96		70-130
1520-96-3	Perylene-d12	86		70-130
115-86-6	Triphenylphosphate	109		70-130

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2

Matrix: Water | Lab File ID: Yj0405.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 14:30

Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19

Sample wt/vol: 1031.1(mL) | Date Analyzed: 10/04/2018 17:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542079 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	Butachlor	0.48	U	0.48	0.031
103-23-1	Di(2-ethylhexyl)adipate	1.5	U	1.5	0.58

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: Yj0406.D
Analysis Method: 525.2 | Date Collected: 09/27/2018 13:40
Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19
Sample wt/vol: 1019.7(mL) | Date Analyzed: 10/04/2018 18:15
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542079 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	U UJ	0.00020	0.000032
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	U ~~TL~~	0.00020	0.000028
117-81-7	Di (2-ethylhexyl)phthalate	0.0020	U ~~TL~~	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	U	0.00020	0.000040
77-47-4	Hexachlorocyclopentadiene	0.0020	U	0.0020	0.000041
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	U	0.00020	0.000022
1918-16-7	Propachlor	0.00020	U	0.00020	0.000025
122-34-9	Simazine	0.00049	U	0.00049	0.000034

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	99		70-130
1520-96-3	Perylene-d12	57	~~TL~~	70-130
115-86-6	Triphenylphosphate	191	~~TH~~ ~~TL~~	70-130

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: Yj0406.D
Analysis Method: 525.2 | Date Collected: 09/27/2018 13:40
Extract. Method: 525.2 | Date Extracted: 10/03/2018 07:19
Sample wt/vol: 1019.7(mL) | Date Analyzed: 10/04/2018 18:15
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542079 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	Butachlor	0.49	U ~~PL~~	0.49	0.031
103-23-1	Di(2-ethylhexyl)adipate	1.5	J ~~PL~~	1.5	0.59

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) RE | Lab Sample ID: 680-158587-3 RE

Matrix: Water | Lab File ID: Yj1226.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 13:40

Extract. Method: 525.2 | Date Extracted: 10/11/2018 07:45

Sample wt/vol: 1009.6(mL) | Date Analyzed: 10/12/2018 23:32

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 543121 | Units: mg/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	U US	0.00020	0.000033
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	U ~~PL~~	0.00020	0.000029
117-81-7	Di (2-ethylhexyl)phthalate	0.0020	U ~~PL~~	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	U	0.00020	0.000041
77-47-4	Hexachlorocyclopentadiene	0.0020	U	0.0020	0.000042
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	U	0.00020	0.000022
1918-16-7	Propachlor	0.00020	U	0.00020	0.000025
122-34-9	Simazine	0.00050	U	0.00050	0.000035

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	100		70-130
1520-96-3	Perylene-d12	40	~~PL~~	70-130
115-86-6	Triphenylphosphate	156	~~PL~~ ~~H~~	70-130

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3 RE

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) RE | Lab Sample ID: 680-158587-3 RE

Matrix: Water | Lab File ID: Yj1226.D

Analysis Method: 525.2 | Date Collected: 09/27/2018 13:40

Extract. Method: 525.2 | Date Extracted: 10/11/2018 07:45

Sample wt/vol: 1009.6(mL) | Date Analyzed: 10/12/2018 23:32

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 543121 | Units: ug/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	Butachlor	0.50	~~U~~ ~~DL~~	0.50	0.032
103-23-1	Di(2-ethylhexyl)adipate	1.5	~~U~~ ~~DL~~	1.5	0.59

FORM I 525.2

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 2rJ03024.D

Analysis Method: 548.1 | Date Collected: 09/27/2018 13:35

Extract. Method: 548.1 | Date Extracted: 10/03/2018 06:46

Sample wt/vol: 100(mL) | Date Analyzed: 10/03/2018 22:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542016 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
145-73-3	Endothall	10	U F	10	6.3

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 2rJ03026.D
Analysis Method: 548.1 | Date Collected: 09/27/2018 14:30
Extract. Method: 548.1 | Date Extracted: 10/03/2018 06:46
Sample wt/vol: 100(mL) | Date Analyzed: 10/03/2018 22:27
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542016 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
145-73-3	Endothall	10	U J	10	6.3

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 2rJ03025.D
Analysis Method: 548.1 | Date Collected: 09/27/2018 13:40
Extract. Method: 548.1 | Date Extracted: 10/03/2018 06:46
Sample wt/vol: 100(mL) | Date Analyzed: 10/03/2018 22:15
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542016 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
145-73-3	Endothall	10	U J	10	6.3

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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: YJ04033.D

Analysis Method: 552.2 | Date Collected: 09/27/2018 13:35

Extraction Method: 552.2 | Date Extracted: 10/04/2018 07:12

Sample wt/vol: 40(mL) | Date Analyzed: 10/05/2018 19:36

Con. Extract Vol.: 4(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP I ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542230 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-11-8	Monochloroacetic acid	1.0	U	1.0	0.40
79-08-3	Monobromoacetic acid	1.0	U	1.0	0.75
79-43-6	Dichloroacetic acid	1.0	U	1.0	0.98
76-03-9	Trichloroacetic acid	1.0	U	1.0	0.38
631-64-1	Dibromoacetic acid	1.0	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
600-05-5	2,3-Dibromopropionic acid	116		70-130

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GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID:

Analysis Method: 552.2 | Date Collected: 09/27/2018 13:35

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 10/05/2018 19:36

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: | GC Column: ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542548 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00112	Total Haloacetic Acids	1.0	U	1.0	0.38
STL01558	Total Haloacetic Acids 5	1.0	U	1.0	0.38

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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: YJ04034.D
Analysis Method: 552.2 | Date Collected: 09/27/2018 14:30
Extraction Method: 552.2 | Date Extracted: 10/04/2018 07:12
Sample wt/vol: 40(mL) | Date Analyzed: 10/05/2018 19:52
Con. Extract Vol.: 4(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: CLP I ID: 0.32(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542230 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-11-8	Monochloroacetic acid	1.0	U	1.0	0.40
79-08-3	Monobromoacetic acid	1.0	U	1.0	0.75
79-43-6	Dichloroacetic acid	1.0	U	1.0	0.98
76-03-9	Trichloroacetic acid	1.0	U	1.0	0.38
631-64-1	Dibromoacetic acid	1.0	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
600-05-5	2,3-Dibromopropionic acid	109		70-130

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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID:
Analysis Method: 552.2 | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: | Date Analyzed: 10/05/2018 19:52
Con. Extract Vol.: | Dilution Factor: 1
Injection Volume: | GC Column: ID:
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542548 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00112	Total Haloacetic Acids	1.0	U	1.0	0.38
STL01558	Total Haloacetic Acids 5	1.0	U	1.0	0.38

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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: YJ04035.D
Analysis Method: 552.2 | Date Collected: 09/27/2018 13:40
Extraction Method: 552.2 | Date Extracted: 10/04/2018 07:12
Sample wt/vol: 40(mL) | Date Analyzed: 10/05/2018 20:09
Con. Extract Vol.: 4(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: CLP I ID: 0.32(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542230 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-11-8	Monochloroacetic acid	1.0	U	1.0	0.40
79-08-3	Monobromoacetic acid	1.0	U	1.0	0.75
79-43-6	Dichloroacetic acid	1.0	U	1.0	0.98
76-03-9	Trichloroacetic acid	1.0	U	1.0	0.38
631-64-1	Dibromoacetic acid	1.0	U	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
600-05-5	2,3-Dibromopropionic acid	97		70-130

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FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID:
Analysis Method: 552.2 | Date Collected: 09/27/2018 13:40
Extraction Method: | Date Extracted:
Sample wt/vol: | Date Analyzed: 10/05/2018 20:09
Con. Extract Vol.: | Dilution Factor: 1
Injection Volume: | GC Column: ID:
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542548 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00112	Total Haloacetic Acids	1.0	U	1.0	0.38
STL01558	Total Haloacetic Acids 5	1.0	U	1.0	0.38

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: U3312194.D

Analysis Method: 8270D SIM ID | Date Collected: 09/27/2018 13:35

Extract. Method: 3510C | Date Extracted: 10/03/2018 14:25

Sample wt/vol: 1000(mL) | Date Analyzed: 10/08/2018 06:59

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 438106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	30		15-110

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: U3312195.D
Analysis Method: 8270D SIM ID | Date Collected: 09/27/2018 14:30
Extract. Method: 3510C | Date Extracted: 10/03/2018 14:25
Sample wt/vol: 1000(mL) | Date Analyzed: 10/08/2018 07:22
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 438106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	33		15-110

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: U3312196.D
Analysis Method: 8270D SIM ID | Date Collected: 09/27/2018 13:40
Extract. Method: 3510C | Date Extracted: 10/03/2018 14:25
Sample wt/vol: 1000(mL) | Date Analyzed: 10/08/2018 07:46
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 438106 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	37		15-110

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FORM I
DIOXIN ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 680-158587-d-1-a.d

Analysis Method: 1613B | Date Collected: 09/27/2018 13:35

Extract. Method: HRMS-Sepf | Date Extracted: 10/10/2018 09:41

Sample wt/vol: 1039.8(mL) | Date Analyzed: 10/17/2018 03:50

Con. Extract Vol.: 20(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 24527 | Units: pg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	EDL
1746-01-6	2,3,7,8-TCDD	9.6	U	9.6	0.26

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
76523-40-5	13C-2,3,7,8-TCDD	67		25-164

CAS NO.	SURROGATE	%REC	Q	LIMITS
85508-50-5	37Cl4-2,3,7,8-TCDD	81		35-197

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FORM I
DIOXIN ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 680-158587-d-2-a.d
Analysis Method: 1613B | Date Collected: 09/27/2018 14:30
Extract. Method: HRMS-Sepf | Date Extracted: 10/10/2018 09:41
Sample wt/vol: 1039.4(mL) | Date Analyzed: 10/17/2018 04:52
Con. Extract Vol.: 20(uL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 24527 | Units: pg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	EDL
1746-01-6	2,3,7,8-TCDD	9.6	U UJ	9.6	0.68

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
76523-40-5	13C-2,3,7,8-TCDD	16	TL	25-164

CAS NO.	SURROGATE	%REC	Q	LIMITS
85508-50-5	37Cl4-2,3,7,8-TCDD	17	TL	35-197

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FORM I
DIOXIN ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 680-158587-d-3-a.d
Analysis Method: 1613B | Date Collected: 09/27/2018 13:40
Extract. Method: HRMS-Sepf | Date Extracted: 10/10/2018 09:41
Sample wt/vol: 1040.9(mL) | Date Analyzed: 10/17/2018 05:53
Con. Extract Vol.: 20(uL) | Dilution Factor: 1
Injection Volume: 1(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 24527 | Units: pg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	EDL
1746-01-6	2,3,7,8-TCDD	9.6	U	9.6	0.20

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
76523-40-5	13C-2,3,7,8-TCDD	64		25-164

CAS NO.	SURROGATE	%REC	Q	LIMITS
85508-50-5	37Cl4-2,3,7,8-TCDD	78		35-197

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FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: KJ030048.D

Analysis Method: 508 | Date Collected: 09/27/2018 13:35

Extraction Method: 508 | Date Extracted: 10/03/2018 09:21

Sample wt/vol: 1030.4(mL) | Date Analyzed: 10/04/2018 02:35

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542027 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.000024	U	0.000024	0.0000015
12789-03-6	Chlordane (technical)	0.00024	U	0.00024	0.0000016
60-57-1	Dieldrin	0.000024	U	0.000024	0.0000016
72-20-8	Endrin	0.000024	U	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	U	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	U	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	U	0.000024	0.0000016
72-43-5	Methoxychlor	0.000024	U	0.000024	0.0000076
12674-11-2	PCB-1016	0.00049	U	0.00049	0.000069
11104-28-2	PCB-1221	0.00049	U	0.00049	0.00012
11141-16-5	PCB-1232	0.00049	U	0.00049	0.000071
53469-21-9	PCB-1242	0.00049	U	0.00049	0.000063
12672-29-6	PCB-1248	0.00049	U	0.00049	0.000045
11097-69-1	PCB-1254	0.00049	U	0.00049	0.000096
11096-82-5	PCB-1260	0.00049	U	0.00049	0.000082
1336-36-3	Polychlorinated biphenyls, Total	0.00049	U	0.00049	0.000045
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000056

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FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: KJ030046.D
Analysis Method: 508 | Date Collected: 09/27/2018 14:30
Extraction Method: 508 | Date Extracted: 10/03/2018 09:21
Sample wt/vol: 1032.8(mL) | Date Analyzed: 10/04/2018 02:02
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542027 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.000024	U T	0.000024	0.0000015
12789-03-6	Chlordane (technical)	0.00024	U	0.00024	0.0000016
60-57-1	Dieldrin	0.000024	U	0.000024	0.0000015
72-20-8	Endrin	0.000024	U	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	U	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	U T	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	U	0.000024	0.0000016
72-43-5	Methoxychlor	0.000024	U	0.000024	0.0000076
12674-11-2	PCB-1016	0.00048	U	0.00048	0.000069
11104-28-2	PCB-1221	0.00048	U	0.00048	0.00012
11141-16-5	PCB-1232	0.00048	U	0.00048	0.000071
53469-21-9	PCB-1242	0.00048	U	0.00048	0.000063
12672-29-6	PCB-1248	0.00048	U	0.00048	0.000045
11097-69-1	PCB-1254	0.00048	U	0.00048	0.000096
11096-82-5	PCB-1260	0.00048	U	0.00048	0.000082
1336-36-3	Polychlorinated biphenyls, Total	0.00048	U	0.00048	0.000045
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000056

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FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: KJ030047.D
Analysis Method: 508 | Date Collected: 09/27/2018 13:40
Extraction Method: 508 | Date Extracted: 10/03/2018 09:21
Sample wt/vol: 1025.4(mL) | Date Analyzed: 10/04/2018 02:19
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: CLP I 0.25 ID: 0.25(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542027 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.000024	U P UJ	0.000024	0.0000015
12789-03-6	Chlordane (technical)	0.00024	U	0.00024	0.0000017
60-57-1	Dieldrin	0.000024	U	0.000024	0.0000016
72-20-8	Endrin	0.000024	U	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	U	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	U P	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	U	0.000024	0.0000017
72-43-5	Methoxychlor	0.000024	U	0.000024	0.0000076
12674-11-2	PCB-1016	0.00049	U	0.00049	0.000069
11104-28-2	PCB-1221	0.00049	U	0.00049	0.00012
11141-16-5	PCB-1232	0.00049	U	0.00049	0.000071
53469-21-9	PCB-1242	0.00049	U	0.00049	0.000063
12672-29-6	PCB-1248	0.00049	U	0.00049	0.000045
11097-69-1	PCB-1254	0.00049	U	0.00049	0.000097
11096-82-5	PCB-1260	0.00049	U	0.00049	0.000083
1336-36-3	Polychlorinated biphenyls, Total	0.00049	U	0.00049	0.000045
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000057

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FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 027-3301.D

Analysis Method: 531.1 | Date Collected: 09/27/2018 13:35

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 10/17/2018 01:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 200(uL) | GC Column: C8 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 543565 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
116-06-3	Aldicarb	0.0025	U	0.0025	0.00050
1646-88-4	Aldicarb sulfone	0.0025	U	0.0025	0.00025
1646-87-3	Aldicarb sulfoxide	0.0025	U	0.0025	0.00025
63-25-2	Carbaryl	0.0025	U	0.0025	0.00025
1563-66-2	Carbofuran	0.0025	U	0.0025	0.00025
16655-82-6	3-Hydroxycarbofuran	0.0025	U	0.0025	0.00025
16752-77-5	Methomyl	0.0025	U	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U	0.0025	0.00037

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PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 028-3401.D
Analysis Method: 531.1 | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: 1(mL) | Date Analyzed: 10/17/2018 02:09
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 200(uL) | GC Column: C8 ID: 4.6(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 543565 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
116-06-3	Aldicarb	0.0025	U	0.0025	0.00050
1646-88-4	Aldicarb sulfone	0.0025	U	0.0025	0.00025
1646-87-3	Aldicarb sulfoxide	0.0025	U	0.0025	0.00025
63-25-2	Carbaryl	0.0025	U	0.0025	0.00025
1563-66-2	Carbofuran	0.0025	U	0.0025	0.00025
16655-82-6	3-Hydroxycarbofuran	0.0025	U	0.0025	0.00025
16752-77-5	Methomyl	0.0025	U	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U	0.0025	0.00037

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PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 029-3501.D
Analysis Method: 531.1 | Date Collected: 09/27/2018 13:40
Extraction Method: | Date Extracted:
Sample wt/vol: 1(mL) | Date Analyzed: 10/17/2018 02:39
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 200(uL) | GC Column: C8 ID: 4.6(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 543565 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
116-06-3	Aldicarb	0.0025	U	0.0025	0.00050
1646-88-4	Aldicarb sulfone	0.0025	U	0.0025	0.00025
1646-87-3	Aldicarb sulfoxide	0.0025	U	0.0025	0.00025
63-25-2	Carbaryl	0.0025	U	0.0025	0.00025
1563-66-2	Carbofuran	0.0025	U	0.0025	0.00025
16655-82-6	3-Hydroxycarbofuran	0.0025	U	0.0025	0.00025
16752-77-5	Methomyl	0.0025	U	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U	0.0025	0.00037

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FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: SJ100027.D

Analysis Method: 515.1 | Date Collected: 09/27/2018 13:35

Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38

Sample wt/vol: 1041.7(mL) | Date Analyzed: 10/11/2018 03:48

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542983 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.00048	U	0.00048	0.000036
75-99-0	Dalapon	0.0048	U	0.0048	0.00096
88-85-7	Dinoseb	0.00096	U	0.00096	0.00014
87-86-5	Pentachlorophenol	0.00019	U	0.00019	0.000036
1918-02-1	Picloram	0.00048	U	0.00048	0.000074
93-72-1	Silvex (2,4,5-TP)	0.00024	U	0.00024	0.000058

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HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: SJ100027.D

Analysis Method: 515.1 | Date Collected: 09/27/2018 13:35

Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38

Sample wt/vol: 1041.7(mL) | Date Analyzed: 10/11/2018 03:48

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542983 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.48	U	0.48	0.082

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HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: SJ100028.D
Analysis Method: 515.1 | Date Collected: 09/27/2018 14:30
Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38
Sample wt/vol: 1029.3(mL) | Date Analyzed: 10/11/2018 04:07
Con. Extract Vol.: 10(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542983 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.00049	U US	0.00049	0.000036
75-99-0	Dalapon	0.0049	U P	0.0049	0.00097
88-85-7	Dinoseb	0.00097	U	0.00097	0.00015
87-86-5	Pentachlorophenol	0.00019	U	0.00019	0.000037
1918-02-1	Picloram	0.00049	U	0.00049	0.000075
93-72-1	Silvex (2,4,5-TP)	0.00024	U	0.00024	0.000058

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FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2

Matrix: Water | Lab File ID: SJ100028.D

Analysis Method: 515.1 | Date Collected: 09/27/2018 14:30

Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38

Sample wt/vol: 1029.3(mL) | Date Analyzed: 10/11/2018 04:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542983 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.49	U	0.49	0.083

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HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: SJ100029.D
Analysis Method: 515.1 | Date Collected: 09/27/2018 13:40
Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38
Sample wt/vol: 1044.5(mL) | Date Analyzed: 10/11/2018 04:27
Con. Extract Vol.: 10(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 542983 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.00048	U	0.00048	0.000035
75-99-0	Dalapon	0.0048	U	0.0048	0.00096
88-85-7	Dinoseb	0.00096	U	0.00096	0.00014
87-86-5	Pentachlorophenol	0.00019	U	0.00019	0.000036
1918-02-1	Picloram	0.00048	U	0.00048	0.000074
93-72-1	Silvex (2,4,5-TP)	0.00024	U	0.00024	0.000057

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FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3

Matrix: Water | Lab File ID: SJ100029.D

Analysis Method: 515.1 | Date Collected: 09/27/2018 13:40

Extraction Method: 515.1 | Date Extracted: 10/09/2018 08:38

Sample wt/vol: 1044.5(mL) | Date Analyzed: 10/11/2018 04:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: DB-35MS ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 542983 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.48	U	0.48	0.081

NW 11/5/18

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 1R100229.D

Analysis Method: 547 | Date Collected: 09/27/2018 13:35

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 10/02/2018 23:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: K Cation Exchg ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541782 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1071-83-6	Glyphosate	25	U	25	5.0

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FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 1R100230.D
Analysis Method: 547 | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: 1(mL) | Date Analyzed: 10/02/2018 23:20
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: K Cation Exchg ID: 4(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541782 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1071-83-6	Glyphosate	25	U	25	5.0

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FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 1R100231.D
Analysis Method: 547 | Date Collected: 09/27/2018 13:40
Extraction Method: | Date Extracted:
Sample wt/vol: 1(mL) | Date Analyzed: 10/02/2018 23:39
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 1(uL) | GC Column: K Cation Exchg ID: 4(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541782 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1071-83-6	Glyphosate	25	U	25	5.0

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FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 1K100323.D

Analysis Method: 549.2 | Date Collected: 09/27/2018 13:35

Extraction Method: 549.2 | Date Extracted: 10/02/2018 06:48

Sample wt/vol: 250(mL) | Date Analyzed: 10/03/2018 17:45

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541967 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
231-36-7	Diquat	2.0	U	2.0	0.40

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HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2

Matrix: Water | Lab File ID: 1K100324.D

Analysis Method: 549.2 | Date Collected: 09/27/2018 14:30

Extraction Method: 549.2 | Date Extracted: 10/02/2018 06:48

Sample wt/vol: 250(mL) | Date Analyzed: 10/03/2018 17:55

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541967 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
231-36-7	Diquat	2.0	U	2.0	0.40

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HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3

Matrix: Water | Lab File ID: 1K100325.D

Analysis Method: 549.2 | Date Collected: 09/27/2018 13:40

Extraction Method: 549.2 | Date Extracted: 10/02/2018 06:48

Sample wt/vol: 250(mL) | Date Analyzed: 10/03/2018 18:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541967 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
231-36-7	Diquat	2.0	U	2.0	0.40

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: GWI-02(09272018) Lab Sample ID: 680-158587-1

Lab Name: TestAmerica Savannah Job No.: 680-158549-1

SDG ID.: 680-158549-1

Matrix: Water Date Sampled: 09/27/2018 13:35

Reporting Basis: WET Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	3.0	0.050	0.017	mg/L			1	200.7 Rev 4.4
7439-96-5	Manganese	0.66	0.010	0.0010	mg/L			1	200.7 Rev 4.4
7440-22-4	Silver	0.010	0.010	0.00060	mg/L	U		1	200.7 Rev 4.4
7440-23-5	Sodium	35.1	1.0	0.48	mg/L			1	200.7 Rev 4.4
7440-66-6	Zinc	0.0091	0.020	0.0070	mg/L	J		1	200.7 Rev 4.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8
7440-38-2	Arsenic	1.1	1.0	0.37	ug/L			1	200.8
7440-39-3	Barium	164	2.0	0.14	ug/L			1	200.8
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8
7440-43-9	Cadmium	0.060	0.50	0.043	ug/L	J		1	200.8
7440-47-3	Chromium	2.5	2.0	1.0	ug/L			1	200.8
7440-02-0	Nickel	3.1	5.0	0.40	ug/L	J		1	200.8
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: GWI-03(09272018)
Lab Sample ID: 680-158587-2
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 14:30
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	1.2	0.050	0.017	mg/L			1	200.7 Rev 4.4
7439-96-5	Manganese	0.24	0.010	0.0010	mg/L			1	200.7 Rev 4.4
7440-22-4	Silver	0.010	0.010	0.00060	mg/L	U		1	200.7 Rev 4.4
7440-23-5	Sodium	22.9	1.0	0.48	mg/L			1	200.7 Rev 4.4
7440-66-6	Zinc	0.020	0.020	0.0070	mg/L	U		1	200.7 Rev 4.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8
7440-38-2	Arsenic	3.0	1.0	0.37	ug/L			1	200.8
7440-39-3	Barium	111	2.0	0.14	ug/L			1	200.8
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8
7440-43-9	Cadmium	0.075	0.50	0.043	ug/L	J		1	200.8
7440-47-3	Chromium	1.7	2.0	1.0	ug/L	J		1	200.8
7440-02-0	Nickel	1.7	5.0	0.40	ug/L	J		1	200.8
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: GWI-DUP(09272018)
Lab Sample ID: 680-158587-3
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 13:40
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	3.3	0.050	0.017	mg/L			1	200.7 Rev 4.4
7439-96-5	Manganese	0.59	0.010	0.0010	mg/L			1	200.7 Rev 4.4
7440-22-4	Silver	0.010	0.010	0.00060	mg/L	U		1	200.7 Rev 4.4
7440-23-5	Sodium	30.8	1.0	0.48	mg/L			1	200.7 Rev 4.4
7440-66-6	Zinc	0.0089	0.020	0.0070	mg/L	J		1	200.7 Rev 4.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8
7440-38-2	Arsenic	1.4	1.0	0.37	ug/L			1	200.8
7440-39-3	Barium	158	2.0	0.14	ug/L			1	200.8
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8
7440-43-9	Cadmium	0.13	0.50	0.043	ug/L	J		1	200.8
7440-47-3	Chromium	3.0	2.0	1.0	ug/L			1	200.8
7440-02-0	Nickel	3.5	5.0	0.40	ug/L	J		1	200.8
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GWI-02(09272018)
Lab Sample ID: 680-158587-1
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 13:35
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0025	mg/L	U		1	335.4

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GWI-03(09272018)
Lab Sample ID: 680-158587-2
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 14:30
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0025	mg/L	U		1	335.4

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GWI-DUP(09272018)
Lab Sample ID: 680-158587-3
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 13:40
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0025	mg/L	U		1	335.4

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Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 396889

Lab ID: MB 160-396889/1-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue11 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	0.1872	0.442	0.443	U	pCi/L	3.00	0.811	14	53	0.070	0.053	0.20451	397747
Gross Beta	0.04188	0.484	0.484	U	pCi/L	4.00	0.857	81	390	0.405	0.390	0.46067	397747

Lab ID: LCS 160-396889/2-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue12 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	39.85	4.23	6.21		pCi/L	3.00	1.53	375	47	1.875	0.047	0.10331	397747

Lab ID: LCSB 160-396889/3-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue13 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCSB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Beta	86.28	3.06	9.15		pCi/L	4.00	0.846	3327	300	16.635	0.300	0.42565	397747

Lab ID: 680-158587-1 | Analyzed: 10/27/18 13:17 | Decay Corrected: No | Ts: 200
Client ID: GWI-02(09272018) | Detector: Protean7 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	9.03	4.29	4.41	G	pCi/L	3.00	5.51	51	99	0.255	0.099	0.10657	397749
Gross Beta	7.02	2.32	2.42		pCi/L	4.00	3.04	204	482	1.020	0.482	0.41051	397749

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 397046

Lab ID: MB 160-397046/1-A | Analyzed: 10/28/18 19:03 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Orange7 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	0.0000	0.494	0.494	U	pCi/L	3.00	0.967	19	95	0.095	0.095	0.21777	397888
Gross Beta	0.6521	0.567	0.570	U	pCi/L	4.00	0.907	114	438	0.570	0.438	0.45593	397888

Lab ID: LCS 160-397046/2-A | Analyzed: 10/29/18 14:18 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Protean11 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	48.49	4.31	7.01		pCi/L	3.00	1.61	541	80	2.705	0.080	0.12193	398040

Lab ID: LCSB 160-397046/3-A | Analyzed: 10/28/18 19:04 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Orange9 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCSB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Beta	87.29	3.08	9.26		pCi/L	4.00	0.928	3394	398	16.970	0.398	0.42752	397888

Lab ID: 680-158587-2 | Analyzed: 10/28/18 21:26 | Decay Corrected: No | Ts: 200
Client ID: GWI-03(09272018) | Detector: Protean12 | Yield Truncated: No | Tb: 1000 2
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	1.64	1.56	1.57	U	pCi/L	3.00	2.43	23	62	0.115	0.062	0.10554	397930
Gross Beta	4.50	1.17	1.26		pCi/L	4.00	1.44	203	419	1.015	0.419	0.41606	397930

Lab ID: 680-158587-3 | Analyzed: 10/28/18 21:26 | Decay Corrected: No | Ts: 200
Client ID: GWI-DUP(09272018) | Detector: Protean14 | Yield Truncated: No | Tb: 1000 3
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	5.69	3.67	3.73	G	pCi/L	3.00	5.21	38	90	0.190	0.090	0.09651	397930
Gross Beta	7.78	1.98	2.13		pCi/L	4.00	2.33	197	353	0.985	0.353	0.41245	397930

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 393206

Lab ID: LCS 160-393206/1-A
Client ID:
Sigma: 2
Analyzed: 10/12/18 12:36
Detector: Orange9
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	22.83	2.47	3.21		pCi/L	1.00	0.824	358	78	3.580	0.078	0.21108	394747

Carrier	LCS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.02050				g		0.0339	60.5	40 - 110

Lab ID: 680-158587-1
Client ID: GWI-02(09272018)
Sigma: 2
Analyzed: 10/12/18 12:37
Detector: Orange14
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

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Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	1.56	0.584	0.600		pCi/L	1.00	0.542	42	70	0.420	0.070	0.19480	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0324				g		0.0339	95.6	40 - 110

Lab ID: 680-158587-2
Client ID: GWI-03(09272018)
Sigma: 2
Analyzed: 10/12/18 12:37
Detector: Orange16
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

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Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	1.14	0.550	0.560		pCi/L	1.00	0.628	33	89	0.330	0.089	0.19247	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0310				g		0.0339	91.4	40 - 110

Lab ID: 680-158587-3
Client ID: GWI-DUP(09272018)
Sigma: 2
Analyzed: 10/12/18 12:37
Detector: Orange17
Dil Fac: 1
Decay Corrected: No
Yield Truncated: No
Calibration Type: 2
Ts: 100
Tb: 1000

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Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	1.79	0.631	0.652		pCi/L	1.00	0.566	46	72	0.460	0.072	0.19268	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0317				g		0.0339	93.5	40 - 110

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Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 393205

Lab ID: LCS 160-393205/1-A | Analyzed: 10/11/18 08:54 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue0 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	19.13	1.03	2.04		pCi/L	1.00	0.453	1537	384	7.685	0.384	0.44525	394286

Carrier	LCS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.03460				g		0.0339	102	40 - 110
Y	0.02250				g		0.0268	84.1	40 - 110

Lab ID: 680-158587-1 | Analyzed: 10/11/18 08:56 | Decay Corrected: No | Ts: 200
Client ID: GWI-02(09272018) | Detector: Blue6 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

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Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.00514	0.235	0.235	U	pCi/L	1.00	0.425	70	348	0.350	0.348	0.44362	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0368				g		0.0339	109	40 - 110
Y	0.0217				g		0.0268	81.1	40 - 110

Lab ID: 680-158587-2 | Analyzed: 10/11/18 08:56 | Decay Corrected: No | Ts: 200
Client ID: GWI-03(09272018) | Detector: Blue7 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

2

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.0747	0.273	0.273	U	pCi/L	1.00	0.476	88	412	0.440	0.412	0.43745	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0368				g		0.0339	109	40 - 110
Y	0.0212				g		0.0268	79.3	40 - 110

Lab ID: 680-158587-3 | Analyzed: 10/11/18 08:56 | Decay Corrected: No | Ts: 200
Client ID: GWI-DUP(09272018) | Detector: Blue8 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

3

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.472	0.295	0.298		pCi/L	1.00	0.449	107	359	0.535	0.359	0.44512	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0360				g		0.0339	106	40 - 110
Y	0.0212				g		0.0268	79.3	40 - 110

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 0011.d

Analysis Method: 300.0 | Date Collected: 09/27/2018 13:35

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2018 13:03

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541410 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00217	Nitrate Nitrite as N	0.050	U	0.050	0.023
14797-65-0	Nitrite as N	0.050	U	0.050	0.023
STL00673	Nitrite as NO2	0.17	U	0.17	0.082

NW 11/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 0014.d
Analysis Method: 300.0 | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2018 13:52
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541410 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00217	Nitrate Nitrite as N	0.033	J	0.050	0.023
14797-65-0	Nitrite as N	0.050	U	0.050	0.023
STL00673	Nitrite as NO2	0.17	U	0.17	0.082

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3

Matrix: Water | Lab File ID: 0012.d

Analysis Method: 300.0 | Date Collected: 09/27/2018 13:40

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2018 13:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541410 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00217	Nitrate Nitrite as N	0.050	U	0.050	0.023
14797-65-0	Nitrite as N	0.050	U	0.050	0.023
STL00673	Nitrite as NO2	0.17	U	0.17	0.082

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 0010.d

Analysis Method: 300.0 | Date Collected: 09/27/2018 13:35

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 10/25/2018 11:29

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 544861 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	62		0.50	0.20
16984-48-8	Fluoride	0.066	J	0.10	0.040
14808-79-8	Sulfate	27		1.0	0.40

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 0011.d
Analysis Method: 300.0 | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/25/2018 11:42
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 544861 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	29		0.50	0.20
16984-48-8	Fluoride	0.068	J	0.10	0.040
14808-79-8	Sulfate	29		1.0	0.40

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 0012.d
Analysis Method: 300.0 | Date Collected: 09/27/2018 13:40
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/25/2018 11:54
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS18 ID: 4(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 544861 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	62		0.50	0.20
16984-48-8	Fluoride	0.066	J	0.10	0.040
14808-79-8	Sulfate	27		1.0	0.40

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1
Matrix: Water | Lab File ID: 0017.d
Analysis Method: 300.1B | Date Collected: 09/27/2018 13:35
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/01/2018 23:20
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541631 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15541-45-4	Bromate	0.0050	U	0.0050	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	100		90-115

NW 11/5/18

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 0018.d
Analysis Method: 300.1B | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/01/2018 23:53
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541631 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15541-45-4	Bromate	0.0050	U	0.0050	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	100		90-115

NW 11/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 0019.d
Analysis Method: 300.1B | Date Collected: 09/27/2018 13:40
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/02/2018 00:26
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541631 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15541-45-4	Bromate	0.0050	U	0.0050	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	98		90-115

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) | Lab Sample ID: 680-158587-1

Matrix: Water | Lab File ID: 0034.d

Analysis Method: 300.1B | Date Collected: 09/27/2018 13:35

Extraction Method: | Date Extracted:

Sample wt/vol: 5(mL) | Date Analyzed: 10/02/2018 08:32

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 541731 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14998-27-7	Chlorite	0.020	U	0.020	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	98		90-115

NW 1/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-03(09272018) | Lab Sample ID: 680-158587-2
Matrix: Water | Lab File ID: 0035.d
Analysis Method: 300.1B | Date Collected: 09/27/2018 14:30
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/02/2018 09:04
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541731 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14998-27-7	Chlorite	0.020	U	0.020	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	99		90-115

NW 11/5/19

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Savannah | Job No.: 680-158549-1
SDG No.: 680-158549-1
Client Sample ID: GWI-DUP(09272018) | Lab Sample ID: 680-158587-3
Matrix: Water | Lab File ID: 0036.d
Analysis Method: 300.1B | Date Collected: 09/27/2018 13:40
Extraction Method: | Date Extracted:
Sample wt/vol: 5(mL) | Date Analyzed: 10/02/2018 09:36
Con. Extract Vol.: 5(mL) | Dilution Factor: 1
Injection Volume: 25(uL) | GC Column: Dionex AS9-HC ID: 2(mm)
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 541731 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14998-27-7	Chlorite	0.020	U	0.020	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	97		90-115

NW 11/5/19

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: July 19, 2019

SDG : 680-158549-1

Laboratory: Eurofins Test America, Savannah, Georgia and St. Louis, Missouri; EMSL Analytical, Inc., Cinnaminson, New Jersey; GEL Laboratories, Charleston, South Carolina, St. Peter's Hospital Environmental Laboratory, Albany, New York

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-02(09272018)	680 158587-1	Water
02	GWI-03(09272018)	680-158587-2	Water
03	GWI-DUP(09272018)	680-158587-3	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

COLOR, TURBIDITY, ODOR, ASBESTOS, GROSS ALPHA/BETA, RA-226, RA-228, URANIUM, FECAL COLIFORM, TOTAL COLIFORM

Analytical Methods SM2120B, SM2130B, SM2150B, 100.2, 900.0, 903.0, 904.0, 200.2/200.8, SM9222D, SM9222B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met except turbidity and odor which were received outside of holding time and therefore, qualified estimated (J/UJ).

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD samples exhibited acceptable %R and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: GWI-02(09272018)
Lab Sample ID: 680-158587-1
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 13:35
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Color	25.0	25.0		PCU			5	SM 2120B
	Turbidity	50.8	1.00		NTU		HT	10	SM 2130B
	Odor at 60°C	1.00 J UJ	1.00		T.O.N.		HT	1	SM 2150B

NW 7/19/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

2

Client Sample ID: GWI-03(09272018)
Lab Sample ID: 680-158587-2
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 14:30
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Color	10.0	5.00		PCU			1	SM 2120B
	Turbidity	22.8	J 0.100		NTU		~~HT~~	1	SM 2130B
	Odor at 60°C	1.00	UJ 1.00		T.O.N.	~~U~~	~~HT~~	1	SM 2150B

NW 11/9/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: GWI-DUP(09272018)
Lab Sample ID: 680-158587-3
Lab Name: TestAmerica Savannah
Job No.: 680-158549-1
SDG ID.: 680-158549-1
Matrix: Water
Date Sampled: 09/27/2018 13:40
Reporting Basis: WET
Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Color	25.0	25.0		PCU			5	SM 2120B
	Turbidity	6.81	J 0.100		NTU		~~HT~~	1	SM 2130B
	Odor at 60°C	1.00	UJ 1.00		T.O.N.	~~J~~	~~HT~~	1	SM 2150B

NW 7/19/19

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 396889

Lab ID: MB 160-396889/1-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue11 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	0.1872	0.442	0.443	U	pCi/L	3.00	0.811	14	53	0.070	0.053	0.20451	397747
Gross Beta	0.04188	0.484	0.484	U	pCi/L	4.00	0.857	81	390	0.405	0.390	0.46067	397747

Lab ID: LCS 160-396889/2-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue12 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	39.85	4.23	6.21		pCi/L	3.00	1.53	375	47	1.875	0.047	0.10331	397747

Lab ID: LCSB 160-396889/3-A | Analyzed: 10/27/18 13:13 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue13 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCSB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Beta	86.28	3.06	9.15		pCi/L	4.00	0.846	3327	300	16.635	0.300	0.42565	397747

Lab ID: 680-158587-1 | Analyzed: 10/27/18 13:17 | Decay Corrected: No | Ts: 200
Client ID: GWI-02(09272018) | Detector: Protean7 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	9.03	4.29	4.41	G	pCi/L	3.00	5.51	51	99	0.255	0.099	0.10657	397749
Gross Beta	7.02	2.32	2.42		pCi/L	4.00	3.04	204	482	1.020	0.482	0.41051	397749

11/7/19

2+3

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 397046

Lab ID: MB 160-397046/1-A | Analyzed: 10/28/18 19:03 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Orange7 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	MB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	0.0000	0.494	0.494	U	pCi/L	3.00	0.967	19	95	0.095	0.095	0.21777	397888
Gross Beta	0.6521	0.567	0.570	U	pCi/L	4.00	0.907	114	438	0.570	0.438	0.45593	397888

Lab ID: LCS 160-397046/2-A | Analyzed: 10/29/18 14:18 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Protean11 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	48.49	4.31	7.01		pCi/L	3.00	1.61	541	80	2.705	0.080	0.12193	398040

Lab ID: LCSB 160-397046/3-A | Analyzed: 10/28/18 19:04 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Orange9 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

Analyte	LCSB Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Beta	87.29	3.08	9.26		pCi/L	4.00	0.928	3394	398	16.970	0.398	0.42752	397888

Lab ID: 680-158587-2 | Analyzed: 10/28/18 21:26 | Decay Corrected: No | Ts: 200
Client ID: GWI-03(09272018) | Detector: Protean12 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

2

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	1.64	1.56	1.57	U	pCi/L	3.00	2.43	23	62	0.115	0.062	0.10554	397930
Gross Beta	4.50	1.17	1.26		pCi/L	4.00	1.44	203	419	1.015	0.419	0.41606	397930

Lab ID: 680-158587-3 | Analyzed: 10/28/18 21:26 | Decay Corrected: No | Ts: 200
Client ID: GWI-DUP(09272018) | Detector: Protean14 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

3

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Gross Alpha	5.69	3.67	3.73	G	pCi/L	3.00	5.21	38	90	0.190	0.090	0.09651	397930
Gross Beta	7.78	1.98	2.13		pCi/L	4.00	2.33	197	353	0.985	0.353	0.41245	397930

MW 7/19/19

1-3

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 393206

Lab ID: LCS 160-393206/1-A | Analyzed: 10/12/18 12:36 | Decay Corrected: No | Ts: 100
Client ID: | Detector: Orange9 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 2

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	22.83	2.47	3.21		pCi/L	1.00	0.824	358	78	3.580	0.078	0.21108	394747

Carrier	LCS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.02050				g		0.0339	60.5	40 - 110

Lab ID: 680-158587-1 | Analyzed: 10/12/18 12:37 | Decay Corrected: No | Ts: 100
Client ID: GWI-02(09272018) | Detector: Orange14 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 2

1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	1.56	0.584	0.600		pCi/L	1.00	0.542	42	70	0.420	0.070	0.19480	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0324				g		0.0339	95.6	40 - 110

Lab ID: 680-158587-2 | Analyzed: 10/12/18 12:37 | Decay Corrected: No | Ts: 100
Client ID: GWI-03(09272018) | Detector: Orange16 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 2

2

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	1.14	0.550	0.560		pCi/L	1.00	0.628	33	89	0.330	0.089	0.19247	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0310				g		0.0339	91.4	40 - 110

Lab ID: 680-158587-3 | Analyzed: 10/12/18 12:37 | Decay Corrected: No | Ts: 100
Client ID: GWI-DUP(09272018) | Detector: Orange17 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 2

3

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Radium-226	1.79	0.631	0.652		pCi/L	1.00	0.566	46	72	0.460	0.072	0.19268	394747

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba Carrier	0.0317				g		0.0339	93.5	40 - 110

NW 7/19/19

1-3

Gas Flow Proportional Counter Analysis Detail Report
Prep Batch: 393205

Lab ID: LCS 160-393205/1-A | Analyzed: 10/11/18 08:54 | Decay Corrected: No | Ts: 200
Client ID: | Detector: Blue0 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: I

Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	19.13	1.03	2.04		pCi/L	1.00	0.453	1537	384	7.685	0.384	0.44525	394286

Carrier	LCS Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.03460				g		0.0339	102	40 - 110
Y	0.02250				g		0.0268	84.1	40 - 110

Lab ID: 680-158587-1 | Analyzed: 10/11/18 08:56 | Decay Corrected: No | Ts: 200
Client ID: GWI-02(09272018) | Detector: Blue6 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

1

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.00514	0.235	0.235	U	pCi/L	1.00	0.425	70	348	0.350	0.348	0.44362	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0368				g		0.0339	109	40 - 110
Y	0.0217				g		0.0268	81.1	40 - 110

Lab ID: 680-158587-2 | Analyzed: 10/11/18 08:56 | Decay Corrected: No | Ts: 200
Client ID: GWI-03(09272018) | Detector: Blue7 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

2

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.0747	0.273	0.273	U	pCi/L	1.00	0.476	88	412	0.440	0.412	0.43745	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0368				g		0.0339	109	40 - 110
Y	0.0212				g		0.0268	79.3	40 - 110

Lab ID: 680-158587-3 | Analyzed: 10/11/18 08:56 | Decay Corrected: No | Ts: 200
Client ID: GWI-DUP(09272018) | Detector: Blue8 | Yield Truncated: No | Tb: 1000
Sigma: 2 | Dil Fac: 1 | Calibration Type: 1

3

Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch
Ra-228	0.472	0.295	0.298		pCi/L	1.00	0.449	107	359	0.535	0.359	0.44512	394286

Carrier	Result	Count Unc	Total Unc	Qualifier	Unit	MDC	Spike Added	% Rec	% Rec Limits
Ba	0.0360				g		0.0339	106	40 - 110
Y	0.0212				g		0.0268	79.3	40 - 110

MW 7/19/19

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

1

Certificate of Analysis

Report Date: October 10, 2018

Company :	TestAmerica Buffalo
Address :	10 Hazelwood Dr #106
	Amherst, New York 14228
Contact:	Mr. John Schove
Project:	Buffalo - Schove

Client Sample ID:	WY-LOC-2-09272018 (680-158549-1)	Project:	TSTA00818
Sample ID:	460807001	Client ID:	TSTA004
Matrix:	Water		
Collect Date:	27-SEP-18 13:35		
Receive Date:	03-OCT-18		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
200.2/200.8 Uranium "As Received"												
Uranium		2.67	0.067	0.200	ug/L	1.00	1	SKJ	10/08/18	1920	1808984	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 200.2	ICP-MS 200.2 PREP	JXM8	10/04/18	2106	1808983

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 200.8	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

MW 7/19/19

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

2

Certificate of Analysis

Report Date: October 10, 2018

Company :	TestAmerica Buffalo
Address :	10 Hazelwood Dr #106
	Amherst, New York 14228
Contact:	Mr. John Schove
Project:	Buffalo - Schove

Client Sample ID:	WY-LOC-3-09272018 (680-158549-3)	Project:	TSTA00818
Sample ID:	460807003	Client ID:	TSTA004
Matrix:	Water		
Collect Date:	27-SEP-18 14:30		
Receive Date:	03-OCT-18		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
200.2/200.8 Uranium "As Received"												
Uranium		1.73	0.067	0.200	ug/L	1.00	1	SKJ	10/08/18	1928	1808984	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 200.2	ICP-MS 200.2 PREP	JXM8	10/04/18	2106	1808983

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 200.8	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

nw 7/19/19

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

3

Certificate of Analysis

Report Date: October 10, 2018

Company :	TestAmerica Buffalo
Address :	10 Hazelwood Dr #106
	Amherst, New York 14228
Contact:	Mr. John Schove
Project:	Buffalo - Schove

Client Sample ID:	WY-DUP-09272018 (680-158549-2)	Project:	TSTA00818
Sample ID:	460807002	Client ID:	TSTA004
Matrix:	Water		
Collect Date:	27-SEP-18 13:40		
Receive Date:	03-OCT-18		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
200.2/200.8 Uranium "As Received"												
Uranium		2.67	0.067	0.200	ug/L	1.00	1	SKJ	10/08/18	1924	1808984	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
EPA 200.2	ICP-MS 200.2 PREP	JXM8	10/04/18	2106	1808983

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 200.8	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

nw 7/29/19

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	041830426
Customer ID:	STLS77
Customer PO:	
Project ID:	

Attn: John Schove
TestAmerica Laboratories, Inc.
5102 LaRoche Avenue
Savannah, GA 31404

Phone:	(912) 354-7858
Fax:	(912) 352-0165
Collected:	09/27/2018
Received:	10/09/2018
Analyzed:	10/11/2018

Proj: NYS DOH Part 5, Subpart 5-1 / 68020710

1-3

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
WY-LOC-2-0927201 8 (680-158549-1) 041830426-0001	10/9/2018 12:30 PM	0 30	1387	0 2580	None Detected	ND	18.00	<18.00	0.00 - 66 00
Due to excessive particulate the analytical sensitivity of 0 2 MFL as required by the method was not reached									
WY-DUP-09272018 (680-158549-2) 041830426-0002	10/9/2018 12:30 PM	1	1387	0 2580	None Detected	ND	5 40	<5 40	0 00 - 20.00
Due to excessive particulate the analytical sensitivity of 0 2 MFL as required by the method was not reached									
WY-LOC-3-0927201 8 (680-158549-3) 041830426-0003	10/9/2018 12:30 PM	5	1387	0 2580	None Detected	ND	1 10	<1 10	0 00 - 4 00
Due to excessive particulate the analytical sensitivity of 0 2 MFL as required by the method was not reached.									

All samples ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time

Analyst(s)
Ted Young (3)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Any questions please contact Benjamin Ellis.

Initial report from: 10/11/2018 10:15:04

NW 7/19/19

(518) 525-5479, 5480 **St. Peter's Hospital Environmental Laboratory** 19 Warehouse Row, Albany, NY 12205

TestAmerica Buffalo

10 Hazelwood Drive
Amherst ,NY 14228

Printed On : 9/28/2018 Page 1 of 2

Sample ID: **AY14809**
Date Received: 09/27/2018
Time Received: 16:11
Date Finalized: 9/28/2018
PO Number:
Your Ref: ERM Hoosick Falls/68020710

Customer: TestAmerica Buffalo
Owner: A&P-AWS-Hoosick Falls
Sample Loc: WY-LOC-2-09272018
Sample Pt: WY-LOC-2-09272018

Collect Date: 09/27/2018
Collect Time: 13:35
Collected by:
Receipt Temp: 14 C on ice chilling

Water Source: GW
Chlorinated: No *Field Residual Chlorine:*

Potable: No
Grab/Comp:

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Fecal Coliform	<10			per 100 mL	SM9222D	BJS	9/27/2018
Total Coliform	1636			per 100 mL	SM9222B (-97)	BJS	9/27/2018

Qualifiers Key:

X	Exceeds maximum contamination limit	R	Duplication outside acceptance limits	H	Hold time exceeded
T	Temperature outside specifications	A	Sample contained air bubble or headspace	B	Analyte detected in blank
P	Sample preserved at lab	Z	Analysis is not state-certified	C	Incorrect bottle received
S(+/-)	Lab control sample outside acceptance limits	M(+/-)	Matrix spike recovery outside acceptance limits		

(+ Result may be biased high / - Result may be biased low)

Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

10 mL Dilution Used. (>200 Total Coliform Colonies.)
1 mL Dilution Used. (15 Total Coliform Colonies.)
.1 mL Dilution Used. (3 Total Coliform Colonies)

10 mL Dilution Used. (0 Fecal Coliform Colonies.)
1 mL Dilution Used. (0 Fecal Coliform Colonies.)
.1 mL Dilution Used. (0 Fecal Coliform Colonies.)

Sample was NEGATIVE when screened for total residual chlorine in laboratory.
Bacteriological sample was set up on 09/27/18 at 16:45.

Test procedures for all analyses meet NELAC requirements unless noted.

(518) 525-5479, 5480 **St. Peter's Hospital Environmental Laboratory** 19 Warehouse Row, Albany, NY 12205

TestAmerica Buffalo

10 Hazelwood Drive
Amherst ,NY 14228

Printed On : 9/28/2018 Page 1 of 2

Sample ID: **AY14811**
Date Received: 09/27/2018
Time Received: 16:11
Date Finalized: 9/28/2018
PO Number:
Your Ref: ERM Hoosick Falls/68020710

2

Customer: TestAmerica Buffalo
Owner: A&P-AWS-Hoosick Falls
Sample Loc: WY-LOC-3-09272018
Sample Pt: WY-LOC-3-09272018

Collect Date: 09/27/2018
Collect Time: 14:30
Collected by:
Receipt Temp: 14 C on ice chilling

Water Source: GW
Chlorinated: No *Field Residual Chlorine:*

Potable: No
Grab/Comp: Grab

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Fecal Coliform	<10			per 100 mL	SM9222D	BJS	9/27/2018
Total Coliform	171			per 100 mL	SM9222B (-97)	BJS	9/27/2018

Qualifiers Key:

X	Exceeds maximum contamination limit	R	Duplication outside acceptance limits	H	Hold time exceeded
T	Temperature outside specifications	A	Sample contained air bubble or headspace	B	Analyte detected in blank
P	Sample preserved at lab	Z	Analysis is not state-certified	C	Incorrect bottle received
S(+/-)	Lab control sample outside acceptance limits	M(+/-)	Matrix spike recovery outside acceptance limits		
(+ Result may be biased high / - Result may be biased low)					

Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

10 mL Dilution Used. (15 Total Coliform Colonies.)
1 mL Dilution Used. (3 Total Coliform Colonies.)
.1 mL Dilution Used. (1 Total Coliform Colony)

10 mL Dilution Used. (0 Fecal Coliform Colonies.)
1 mL Dilution Used. (0 Fecal Coliform Colonies.)
.1 mL Dilution Used. (0 Fecal Coliform Colonies.)

Sample was NEGATIVE when screened for total residual chlorine in laboratory.
Bacteriological sample was set up on 09/27/18 at 16:45.

Test procedures for all analyses meet NELAC requirements unless noted

NW 7/19/19

(518) 525-5479, 5480 **St. Peter's Hospital Environmental Laboratory** 19 Warehouse Row, Albany, NY 12205

TestAmerica Buffalo

10 Hazelwood Drive
Amherst ,NY 14228

Printed On : 9/28/2018 Page 1 of 2

Sample ID: **AY14810**
Date Received: 09/27/2018
Time Received: 16:11
Date Finalized: 9/28/2018
PO Number:
Your Ref: ERM Hoosick Falls/68020710

3

Customer: TestAmerica Buffalo
Owner: A&P-AWS-Hoosick Falls
Sample Loc: WY-DUP-09272018-MS
Sample Pt: WY-DUP-09272018-MS

Collect Date: 09/27/2018
Collect Time: 13:40
Collected by:
Receipt Temp: 14 C on ice chilling

Water Source: GW
Chlorinated: No *Field Residual Chlorine:*

Potable: No
Grab/Comp: Grab

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Fecal Coliform	<10			per 100 mL	SM9222D	BJS	9/27/2018
Total Coliform	2100			per 100 mL	SM9222B (-97)	BJS	9/27/2018

Qualifiers Key:

X	Exceeds maximum contamination limit	R	Duplication outside acceptance limits	H	Hold time exceeded
T	Temperature outside specifications	A	Sample contained air bubble or headspace	B	Analyte detected in blank
P	Sample preserved at lab	Z	Analysis is not state-certified	C	Incorrect bottle received
S(+/-)	Lab control sample outside acceptance limits	M(+/-)	Matrix spike recovery outside acceptance limits		
(+ Result may be biased high / - Result may be biased low)					

Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun Samples must be between 0-6C and not frozen

Comments:

10 mL Dilution Used. (>200 Total Coliform Colonies.)
1 mL Dilution Used. (21 Total Coliform Colonies.)
.1 mL Dilution Used. (4 Total Coliform Colonies.)

10 mL Dilution Used. (0 Fecal Coliform Colonies.)
1 mL Dilution Used. (0 Fecal Coliform Colonies.)
.1 mL Dilution Used. (0 Fecal Coliform Colonies.)

Sample was NEGATIVE when screened for total residual chlorine in laboratory.
Bacteriological sample was set up on 09/27/18 at 16:45.

Test procedures for all analyses meet NELAC requirements unless noted.

NW 7/19/19

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 9, 2019

SDG : 680-158549-2

Laboratory: Test America, Sacramento, California

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-02(09272018)	680-158587-1	Water
02	GWI-03(09272018)	680-158587-2	Water
03	GWI-DUP(09272018)	680-158587-3	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks exhibited the following target compounds.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
MB 320-251297/1-A	PFHxS	0.278	U	1, 2

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries.

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples GWI-02(09272018) and GWI-DUP(09272018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 680-158549-2

SDG No.: 680-158549-2

Client Sample ID: GWI-02(09272018) Lab Sample ID: 680-158587-1

Matrix: Water Lab File ID: 2018.10.14LLB_040.d

Analysis Method: 537 (modified) Date Collected: 09/27/2018 13:35

Extraction Method: 3535 Date Extracted: 10/11/2018 07:31

Sample wt/vol: 266.7(mL) Date Analyzed: 10/15/2018 05:42

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 252302 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	3.0		1.9	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.46	U	1.9	0.46
307-24-4	Perfluorohexanoic acid (PFHxA)	0.54	U	1.9	0.54
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.23	U	1.9	0.23
335-67-1	Perfluorooctanoic acid (PFOA)	0.80	U	1.9	0.80
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	1.9	0.25
335-76-2	Perfluorodecanoic acid (PFDA)	0.29	U	1.9	0.29
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.0	U	1.9	1.0
307-55-1	Perfluorododecanoic acid (PFDoA)	0.52	U	1.9	0.52
72629-94-8	Perfluoro-n-tridecanoic acid	1.2	U	1.9	1.2
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.27	U	1.9	0.27
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.19	U	1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.26	~~J B~~ U	1.9	0.16
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.18	U	1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.51	U	1.9	0.51
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.30	U	1.9	0.30
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.33	U	1.9	0.33
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.9	U	19	2.9
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.8	U	19	1.8
27619-97-2	6:2 FTS	1.9	U	19	1.9
39108-34-4	8:2 FTS	1.9	U	19	1.9
13252-13-6	HFPO-DA (GenX)	1.4	U	3.7	1.4

NW 19/19

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

2

Lab Name: TestAmerica Sacramento Job No.: 680-158549-2

SDG No.: 680-158549-2

Client Sample ID: GWI-03(09272018) Lab Sample ID: 680-158587-2

Matrix: Water Lab File ID: 2018.10.20LLB_014.d

Analysis Method: 537 (modified) Date Collected: 09/27/2018 14:30

Extraction Method: 3535 Date Extracted: 10/11/2018 07:31

Sample wt/vol: 304(mL) Date Analyzed: 10/20/2018 10:37

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 253647 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.88	J	1.6	0.29
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.40	U	1.6	0.40
307-24-4	Perfluorohexanoic acid (PFHxA)	0.48	U	1.6	0.48
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.21	U	1.6	0.21
335-67-1	Perfluorooctanoic acid (PFOA)	0.70	U	1.6	0.70
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	1.6	0.22
335-76-2	Perfluorodecanoic acid (PFDA)	0.25	U	1.6	0.25
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.90	U	1.6	0.90
307-55-1	Perfluorododecanoic acid (PFDoA)	0.45	U	1.6	0.45
72629-94-8	Perfluoro-n-tridecanoic acid	1.1	U	1.6	1.1
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.24	U	1.6	0.24
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.16	U	1.6	0.16
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.27	~~J B~~ U	1.6	0.14
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.16	U	1.6	0.16
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.44	U	1.6	0.44
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.26	U	1.6	0.26
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.29	U	1.6	0.29
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.5	U	16	2.5
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	16	1.6
27619-97-2	6:2 FTS	2.7	J	16	1.6
39108-34-4	8:2 FTS	1.6	U	16	1.6
13252-13-6	HFPO-DA (GenX)	1.2	U	3.3	1.2

NW 11/9/19

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

3

Lab Name: TestAmerica Sacramento Job No.: 680-158549-2

SDG No.: 680-158549-2

Client Sample ID: GWI-DUP(09272018) Lab Sample ID: 680-158587-3

Matrix: Water Lab File ID: 2018.10.14LLB_043.d

Analysis Method: 537 (modified) Date Collected: 09/27/2018 13:40

Extraction Method: 3535 Date Extracted: 10/11/2018 07:31

Sample wt/vol: 289.4(mL) Date Analyzed: 10/15/2018 06:04

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 252302 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	3.0		1.7	0.30
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.42	U	1.7	0.42
307-24-4	Perfluorohexanoic acid (PFHxA)	0.50	U	1.7	0.50
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.22	U	1.7	0.22
335-67-1	Perfluorooctanoic acid (PFOA)	0.73	U	1.7	0.73
375-95-1	Perfluorononanoic acid (PFNA)	0.23	U	1.7	0.23
335-76-2	Perfluorodecanoic acid (PFDA)	0.27	U	1.7	0.27
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.95	U	1.7	0.95
307-55-1	Perfluorododecanoic acid (PFDoA)	0.48	U	1.7	0.48
72629-94-8	Perfluoro-n-tridecanoic acid	1.1	U	1.7	1.1
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.25	U	1.7	0.25
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.17	U	1.7	0.17
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.15	U	1.7	0.15
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.16	U	1.7	0.16
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.47	U	1.7	0.47
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.28	U	1.7	0.28
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.30	U	1.7	0.30
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.7	U	17	2.7
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.6	U	17	1.6
27619-97-2	6:2 FTS	1.7	U	17	1.7
39108-34-4	8:2 FTS	1.7	U	17	1.7
13252-13-6	HFPO-DA (GenX)	1.3	U	3.5	1.3

NW 11/9/19

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 9, 2019

SDG : 320-44898-1

Laboratory: Test America, Sacramento, California

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	Tote C (10302018)	320-44898-1	Water
02	GWI-05 (11012018)	320-44898-2	Water
03	GWI-DUP (1112018)	320-44898-3	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries except for the following.

EDS Sample ID	Surrogate	%R	Qualifier
02	PFBA	21%	J
	PFTeA	23%	UJ
03	PFBA	21%	J

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples GWI-05 (11012018) and GWI-DUP (11012018) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 320-44898-1

SDG No.:

Client Sample ID: Tote C (10302018) | Lab Sample ID: 320-44898-1

Matrix: Water | Lab File ID: 2018.11.17LLB_020.d

Analysis Method: 537 (modified) | Date Collected: 10/30/2018 12:00

Extraction Method: 3535 | Date Extracted: 11/13/2018 06:36

Sample wt/vol: 263.2(mL) | Date Analyzed: 11/18/2018 08:52

Con. Extract Vol.: 10.00(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 259888 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.4	U	2.4	2.4
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.47	U	1.9	0.47
307-24-4	Perfluorohexanoic acid (PFHxA)	0.55	U	1.9	0.55
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.24	U	1.9	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	0.81	U	1.9	0.81
375-95-1	Perfluorononanoic acid (PFNA)	0.26	U	1.9	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	0.29	U	1.9	0.29
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.0	U	1.9	1.0
307-55-1	Perfluorododecanoic acid (PFDoA)	0.52	U	1.9	0.52
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.2	U	1.9	1.2
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.28	U	1.9	0.28
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.19	U	1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.16	U	1.9	0.16
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.18	U	1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.51	U	1.9	0.51
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.30	U	1.9	0.30
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.33	U	1.9	0.33
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.9	U	19	2.9
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.8	U	19	1.8
27619-97-2	6:2 FTS	2.1	J	19	1.9
39108-34-4	8:2 FTS	1.9	U	19	1.9

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

2

Lab Name: TestAmerica Sacramento Job No.: 320-44898-1

SDG No.:

Client Sample ID: GWI-05 (11012018) Lab Sample ID: 320-44898-2

Matrix: Water Lab File ID: 2018.12.01LLA_030.d

Analysis Method: 537 (modified) Date Collected: 11/01/2018 14:30

Extraction Method: 3535 Date Extracted: 11/13/2018 06:36

Sample wt/vol: 253.9(mL) Date Analyzed: 12/02/2018 02:38

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 262486 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.2	J	2.0	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.88	J	2.0	0.48
307-24-4	Perfluorohexanoic acid (PFHxA)	1.6	J	2.0	0.57
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.65	J	2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	7.1		2.0	0.84
375-95-1	Perfluorononanoic acid (PFNA)	0.46	J	2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	0.31	U	2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.1	U	2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	0.54	U	2.0	0.54
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.3	U	2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.29	Ø UJ	2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.17	U	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.19	U	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.53	U	2.0	0.53
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.32	U	2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.37	J	2.0	0.34
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.1	U	20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.9	U	20	1.9
27619-97-2	6:2 FTS	2.0	U	20	2.0
39108-34-4	8:2 FTS	2.0	U	20	2.0

NW 19.9

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

3

Lab Name: TestAmerica Sacramento Job No.: 320-44898-1

SDG No.:

Client Sample ID: GWI-DUP (1112018) Lab Sample ID: 320-44898-3

Matrix: Water Lab File ID: 2018.12.01LLA_031.d

Analysis Method: 537 (modified) Date Collected: 11/01/2018 12:00

Extraction Method: 3535 Date Extracted: 11/13/2018 06:36

Sample wt/vol: 249.9(mL) Date Analyzed: 12/02/2018 02:46

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: GeminiC18 3x100 ID: 3(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 262486 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.2	J	2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.79	J	2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	1.5	J	2.0	0.58
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.66	J	2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	6.3		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	0.44	J	2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	0.31	U	2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.1	U	2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	0.55	U	2.0	0.55
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.3	U	2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.29	U	2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.17	U	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.19	U	2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.54	U	2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.32	U	2.0	0.32
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.35	U	2.0	0.35
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.1	U	20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.9	U	20	1.9
27619-97-2	6:2 FTS	2.0	U	20	2.0
39108-34-4	8:2 FTS	2.0	U	20	2.0

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 9, 2019

SDG : PFP45

Laboratory: Eurofins, Lancaster, Pennsylvania

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01(11072018)	9893939	Water
01MS	GWI-01(11072018)MS	9893939MS	Water
01MSD	GWI-01(11072018)MSD	9893939MSD	Water
02	GWI-03(11072018)	9893942	Water
03	GWI-02(11072018)	9893943	Water
04	GWI-04(11072018)	9893944	Water
05	GWI-05(11072018)	9893945	Water
06	GWI-DUP(11072018)	9893946	Water
07	GWI-FB(11072018)	9893947	Water
08	GWI-EB(11072018)	9893948	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01(11072018) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Field QC samples GWI-FB(11072018) and GWI-EB(11072018) exhibited no target compounds.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries except for the following.

EDS Sample ID	Surrogate	%R	Qualifier
1	13C2-PFTEDA	124%	None - Associated Compound ND
2	13C2-PFTEDA	168%	None - Associated Compound ND
5	13C4-PFBA	8%	J - Associated Compound
	13C7-PFUNDA	152%	None - Associated Compound ND
	D5-NETFOSAA	203%	
5RE	13C4-PFBA	6%	J - Associated Compound
	D5-NETFOSAA	154%	None - Associated Compound ND
	13C2-6:2-FTS	463%	
	13C2-8:2-FTS	332%	
6	13C2-PFTEDA	163%	None - Associated Compound ND

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples GWI-03(11072018) and GWI-DUP(11072018) exhibited acceptable RPD values.

Sample Analysis - EDS Sample ID 05 exhibited several surrogates exceeding QC limits and was reanalyzed with similar results. Use the 05RE results for reporting purposes since the concentrations were higher.

TOTAL ORGANIC CARBON (TOC) & pH

SM5310C & SM4500

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-01(11072018) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Field QC samples were not analyzed for wet chemistry.

Initial Calibration (ICV) - The ICVs exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

REVISED

Sample Description: GWI-01(11072018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 09:45
SDG#: PFP45-01BKG

Honeywell International, Inc.
ELLE Sample #: WW 9893939
ELLE Group #: 2008124
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		ng/l	ng/l	ng/l	
14473	**6:2 fluorotelomersulfonate**	27619-97-2	**8.7**	0.89	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.4	1
14473	NEtFOSAA	2991-50-6	0.89 U	0.89	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.89 U	0.89	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.27 U	0.27	0.89	1
14473	**Perfluorobutanoic acid**	375-22-4	**2.0 J**	1.8	5.4	1
14473	Perfluorodecanesulfonate	335-77-3	0.54 U	0.54	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.80 U	0.80	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.36 U	0.36	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.36 U	0.36	0.89	1
14473	Perfluorohexanesulfonate	355-46-4	0.36 U	0.36	1.8	1
14473	Perfluorohexanoic acid	307-24-4	0.36 U	0.36	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.45 U	0.45	2.7	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**0.69 J**	0.36	1.8	1
14473	**Perfluorooctanoic acid**	335-67-1	**0.54 J**	0.27	0.89	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.4	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.89	1
14473	Perfluorotridecanoic acid	72629-94-8	0.36 U	0.36	0.89	1
14473	Perfluoroundecanoic acid	2058-94-8	0.36 U	0.36	1.8	1
	The recovery for the labeled compound used as extraction standard is outside the QC acceptance limits as noted on the QC Summary. The recovery for the labeled compound used as extraction standard is also outside the QC acceptance limits in the associated matrix spike and matrix spike duplicate, indicating a matrix effect.					
Wet Chemistry	**SM 5310 C-2011**		mg/l	mg/l	mg/l	
00273	**Total Organic Carbon**	n.a.	**0.82 J**	0.50	1.0	1
	EPA 170.1		Degrees C	Degrees C	Degrees C	
12151	**Temperature of pH**	n.a.	**21.4**	0.010	0.010	1
	SM 4500-H+ B-2011		Std. Units	Std. Units	Std. Units	
12152	**pH**	n.a.	**8.0**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

NW 11/9/19

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Lancaster Laboratories
Environmental

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Analysis Report

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REVISED

Sample Description: GWI-03(11072018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 11:14
SDG#: PFP45-02

Honeywell International, Inc.
ELLE Sample #: WW 9893942
ELLE Group #: 2008124
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		ng/l	ng/l	ng/l	
14473	**6:2 fluorotelomersulfonate**	27619-97-2	**12**	0.89	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.3	1
14473	NEtFOSAA	2991-50-6	0.89 U	0.89	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid					
14473	NMeFOSAA	2355-31-9	0.89 U	0.89	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid					
14473	Perfluorobutanesulfonate	375-73-5	0.27 U	0.27	0.89	1
14473	Perfluorobutanoic acid	375-22-4	1.8 U	1.8	5.3	1
14473	Perfluorodecanesulfonate	335-77-3	0.53 U	0.53	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.80 U	0.80	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.36 U	0.36	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.36 U	0.36	0.89	1
14473	Perfluorohexanesulfonate	355-46-4	0.36 U	0.36	1.8	1
14473	**Perfluorohexanoic acid**	307-24-4	**0.38 J**	0.36	1.8	1
14473	**Perfluorononanoic acid**	375-95-1	**0.46 J**	0.36	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.45 U	0.45	2.7	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**0.38 J**	0.36	1.8	1
14473	**Perfluorooctanoic acid**	335-67-1	**1.8**	0.27	0.89	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.3	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.89	1
14473	Perfluorotridecanoic acid	72629-94-8	0.36 U	0.36	0.89	1
14473	Perfluoroundecanoic acid	2058-94-8	0.36 U	0.36	1.8	1
	The recovery for labeled compound used as extraction standards is outside of QC acceptance limits as noted on the QC Summary.					
Wet Chemistry	**SM 5310 C-2011**		mg/l	mg/l	mg/l	
00273	**Total Organic Carbon**	n.a.	**1.2**	0.50	1.0	1
	EPA 170.1		Degrees C	Degrees C	Degrees C	
12151	**Temperature of pH**	n.a.	**21.8**	0.010	0.010	1
	SM 4500-H+ B-2011		Std. Units	Std. Units	Std. Units	
12152	**pH**	n.a.	**8.9**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

MW191.9

REVISED

Sample Description: GWI-02(11072018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 12:06
SDG#: PFP45-03

Honeywell International, Inc.
ELLE Sample #: WW 9893943
ELLE Group #: 2008124
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	0.90 U	0.90	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.4	1
14473	NEtFOSAA	2991-50-6	0.90 U	0.90	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.90 U	0.90	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.27 U	0.27	0.90	1
14473	Perfluorobutanoic acid	375-22-4	1.8 U	1.8	5.4	1
14473	Perfluorodecanesulfonate	335-77-3	0.54 U	0.54	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.81 U	0.81	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.36 U	0.36	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.36 U	0.36	0.90	1
14473	Perfluorohexanesulfonate	355-46-4	0.36 U	0.36	1.8	1
14473	Perfluorohexanoic acid	307-24-4	0.36 U	0.36	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.45 U	0.45	2.7	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanoic acid	335-67-1	0.27 U	0.27	0.90	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.4	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.90	1
14473	Perfluorotridecanoic acid	72629-94-8	0.36 U	0.36	0.90	1
14473	Perfluoroundecanoic acid	2058-94-8	0.36 U	0.36	1.8	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	
00273	**Total Organic Carbon**	n.a.	**1.4**	0.50	1.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	**Temperature of pH**	n.a.	**21.7**	0.010	0.010	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	**pH**	n.a.	**8.1**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

MW 1/9/19

REVISED

Sample Description: GWI-04(11072018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 15:25
SDG#: PFP45-04

Honeywell International, Inc.
ELLE Sample #: WW 9893944
ELLE Group #: 2008124
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	0.96 U	0.96	1.9	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.9 U	1.9	5.7	1
14473	NEtFOSAA	2991-50-6	0.96 U	0.96	2.9	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.96 U	0.96	2.9	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.29 U	0.29	0.96	1
14473	Perfluorobutanoic acid	375-22-4	1.9 U	1.9	5.7	1
14473	Perfluorodecanesulfonate	335-77-3	0.57 U	0.57	1.9	1
14473	Perfluorodecanoic acid	335-76-2	0.86 U	0.86	1.9	1
14473	Perfluorododecanoic acid	307-55-1	0.48 U	0.48	1.9	1
14473	Perfluoroheptanesulfonate	375-92-8	0.38 U	0.38	1.9	1
14473	Perfluoroheptanoic acid	375-85-9	0.38 U	0.38	0.96	1
14473	Perfluorohexanesulfonate	355-46-4	0.38 U	0.38	1.9	1
14473	Perfluorohexanoic acid	307-24-4	0.38 U	0.38	1.9	1
14473	Perfluorononanoic acid	375-95-1	0.38 U	0.38	1.9	1
14473	Perfluorooctanesulfonamide	754-91-6	0.48 U	0.48	2.9	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**0.90 J**	0.38	1.9	1
14473	**Perfluorooctanoic acid**	335-67-1	**0.71 J**	0.29	0.96	1
14473	Perfluoropentanoic acid	2706-90-3	1.9 U	1.9	5.7	1
14473	Perfluorotetradecanoic acid	376-06-7	0.29 U	0.29	0.96	1
14473	Perfluorotridecanoic acid	72629-94-8	0.38 U	0.38	0.96	1
14473	Perfluoroundecanoic acid	2058-94-8	0.38 U	0.38	1.9	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	
00273	**Total Organic Carbon**	n.a.	**0.62 J**	0.50	1.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	**Temperature of pH**	n.a.	**22.0**	0.010	0.010	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	**pH**	n.a.	**8.0**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: GWI-05(11082018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/08/2018 13:48
SDG#: PFP45-05

Honeywell International, Inc.
ELLE Sample #: WW 9893945
ELLE Group #: 2008124
Matrix: Groundwater

use reanalysis results

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersulfonate	27619-97-2	0.88 U	0.88	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.3	1
14473	NEtFOSAA	2991-50-6	0.88 U	0.88	2.6	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.88 U	0.88	2.6	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.26 U	0.26	0.88	1
14473	**Perfluorobutanoic acid**	375-22-4	**1.9** J	1.8	5.3	1
14473	Perfluorodecanesulfonate	335-77-3	0.53 U	0.53	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.79 U	0.79	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.44 U	0.44	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.35 U	0.35	1.8	1
14473	**Perfluoroheptanoic acid**	375-85-9	**0.36 J**	0.35	0.88	1
14473	Perfluorohexanesulfonate	355-46-4	0.35 U	0.35	1.8	1
14473	**Perfluorohexanoic acid**	307-24-4	**0.60 J**	0.35	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.35 U	0.35	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.44 U	0.44	2.6	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.35 U	0.35	1.8	1
14473	**Perfluorooctanoic acid**	335-67-1	**4.8**	0.26	0.88	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.3	1
14473	Perfluorotetradecanoic acid	376-06-7	0.26 U	0.26	0.88	1
14473	Perfluorotridecanoic acid	72629-94-8	0.35 U	0.35	0.88	1
14473	Perfluoroundecanoic acid	2058-94-8	0.35 U	0.35	1.8	1
Trial ID: RE						SRE
14473	6:2 fluorotelomersulfonate	27619-97-2	0.91 U	0.91	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.5	1
14473	NEtFOSAA	2991-50-6	0.91 U	0.91	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.91 U	0.91	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.27 U	0.27	0.91	1
14473	**Perfluorobutanoic acid**	375-22-4	**3.1** J	1.8	5.5	1
14473	Perfluorodecanesulfonate	335-77-3	0.55 U	0.55	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.82 U	0.82	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.46 U	0.46	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.37 U	0.37	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.37 U	0.37	0.91	1
14473	Perfluorohexanesulfonate	355-46-4	0.37 U	0.37	1.8	1

*=This limit was used in the evaluation of the final result

11/19/19

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Analysis Report

REVISED

Sample Description: GWI-05(11082018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/08/2018 13:48
SDG#: PFP45-05

Honeywell International, Inc.
ELLE Sample #: WW 9893945
ELLE Group #: 2008124
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		ng/l	ng/l	ng/l	
14473	**Perfluorohexanoic acid**	307-24-4	**0.79 J**	0.37	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.37 U	0.37	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.46 U	0.46	2.7	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**0.49 J**	0.37	1.8	1
14473	**Perfluorooctanoic acid**	335-67-1	**5.5**	0.27	0.91	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.5	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.91	1
14473	Perfluorotridecanoic acid	72629-94-8	0.37 U	0.37	0.91	1
14473	Perfluoroundecanoic acid	2058-94-8	0.37 U	0.37	1.8	1

The recovery for several labeled compounds used as extraction standards is outside of QC acceptance limits as noted on the QC Summary. The following corrective action was taken: This sample was re-extracted within the method holding time and again the recovery for several labeled compounds used as extraction standards is outside of QC acceptance limits. Both sets of data are reported and included in the data package.

Wet Chemistry	**SM 5310 C-2011**		mg/l	mg/l	mg/l	
00273	**Total Organic Carbon**	n.a.	**5.4**	0.50	1.0	1
	EPA 170.1		Degrees C	Degrees C	Degrees C	
12151	**Temperature of pH**	n.a.	**22.0**	0.010	0.010	1
	SM 4500-H+ B-2011		Std. Units	Std. Units	Std. Units	
12152	**pH**	n.a.	**12.1 J**	0.010	0.010	1

Sample Comments

State of New York Certification No 10670
Preservation requirements were not met. The pH preservation of all non-volatile containers was checked upon receipt at the laboratory. The container for the following analysis was not within specification and was adjusted accordingly by the laboratory: Total Organic Carbon

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 NY PFAS in Water	EPA 537 Version 1.1 Modified	1	18314003	11/12/2018 18:15	Jason W Knight	1
14473	21 NY PFAS in Water	EPA 537 Version 1.1 Modified	2-RE	18318001	11/16/2018 03:56	Christine E Dolman	1

*=This limit was used in the evaluation of the final result

NW 11/9/19

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Analysis Report

REVISED

Sample Description: GWI-DUP(11072018) Grab Groundwater
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 12:00
SDG#: PFP45-06FD

Honeywell International, Inc.
ELLE Sample #: WW 9893946
ELLE Group #: 2008124
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	**ng/l**	
14473	**6:2 fluorotelomersulfonate**	27619-97-2	**13**	0.90	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.4	1
14473	NEtFOSAA	2991-50-6	0.90 U	0.90	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.90 U	0.90	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.27 U	0.27	0.90	1
14473	Perfluorobutanoic acid	375-22-4	1.8 U	1.8	5.4	1
14473	Perfluorodecanesulfonate	335-77-3	0.54 U	0.54	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.81 U	0.81	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.36 U	0.36	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.36 U	0.36	0.90	1
14473	Perfluorohexanesulfonate	355-46-4	0.36 U	0.36	1.8	1
14473	Perfluorohexanoic acid	307-24-4	0.36 U	0.36	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.45 U	0.45	2.7	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.36 U	0.36	1.8	1
14473	**Perfluorooctanoic acid**	335-67-1	**1.8**	0.27	0.90	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.4	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.90	1
14473	Perfluorotridecanoic acid	72629-94-8	0.36 U	0.36	0.90	1
14473	Perfluoroundecanoic acid	2058-94-8	0.36 U	0.36	1.8	1
	The recovery for labeled compound used as extraction standards is outside of QC acceptance limits as noted on the QC Summary.					
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	
00273	**Total Organic Carbon**	n.a.	**1.1**	0.50	1.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	**Temperature of pH**	n.a.	**22.0**	0.010	0.010	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	**pH**	n.a.	**8.9**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

11/9/19

REVISED

Sample Description: GWI-FB(11072018) Grab Water
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 13:45
SDG#: PFP45-07FB

Honeywell International, Inc.
ELLE Sample #: WW 9893947
ELLE Group #: 2008124
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	0 91 U	0.91	1 8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1 8	5.4	1
14473	NEtFOSAA	2991-50-6	0.91 U	0.91	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid					
14473	NMeFOSAA	2355-31-9	0.91 U	0.91	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid					
14473	Perfluorobutanesulfonate	375-73-5	0 27 U	0.27	0.91	1
14473	Perfluorobutanoic acid	375-22-4	1.8 U	1.8	5.4	1
14473	Perfluorodecanesulfonate	335-77-3	0.54 U	0 54	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.82 U	0 82	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0 36 U	0.36	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.36 U	0.36	0.91	1
14473	Perfluorohexanesulfonate	355-46-4	0 36 U	0.36	1.8	1
14473	Perfluorohexanoic acid	307-24-4	0.36 U	0.36	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.45 U	0.45	2.7	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanoic acid	335-67-1	0.27 U	0.27	0.91	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5 4	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.91	1
14473	Perfluorotridecanoic acid	72629-94-8	0.36 U	0.36	0.91	1
14473	Perfluoroundecanoic acid	2058-94-8	0 36 U	0.36	1 8	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a	0.50 U	0.50	1.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	**Temperature of pH**	n.a.	**22.0**	0.010	0.010	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	**pH**	n a.	**6.0**	0 010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

NW 1/9/19

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Analysis Report

REVISED

Sample Description: GWI-EB(11072018) Grab Water
COC# 569815
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 16:00
SDG#: PFP45-08EB

Honeywell International, Inc.
ELLE Sample #: WW 9893948
ELLE Group #: 2008124
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersulfonate	27619-97-2	0.85 U	0.85	1.7	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.7 U	1.7	5.1	1
14473	NEtFOSAA	2991-50-6	0.85 U	0.85	2.5	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.85 U	0.85	2.5	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.25 U	0.25	0.85	1
14473	Perfluorobutanoic acid	375-22-4	1.7 U	1.7	5.1	1
14473	Perfluorodecanesulfonate	335-77-3	0.51 U	0.51	1.7	1
14473	Perfluorodecanoic acid	335-76-2	0.76 U	0.76	1.7	1
14473	Perfluorododecanoic acid	307-55-1	0.42 U	0.42	1.7	1
14473	Perfluoroheptanesulfonate	375-92-8	0.34 U	0.34	1.7	1
14473	Perfluoroheptanoic acid	375-85-9	0.34 U	0.34	0.85	1
14473	Perfluorohexanesulfonate	355-46-4	0.34 U	0.34	1.7	1
14473	Perfluorohexanoic acid	307-24-4	0.34 U	0.34	1.7	1
14473	Perfluorononanoic acid	375-95-1	0.34 U	0.34	1.7	1
14473	Perfluorooctanesulfonamide	754-91-6	0.42 U	0.42	2.5	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.34 U	0.34	1.7	1
14473	Perfluorooctanoic acid	335-67-1	0.25 U	0.25	0.85	1
14473	Perfluoropentanoic acid	2706-90-3	1.7 U	1.7	5.1	1
14473	Perfluorotetradecanoic acid	376-06-7	0.25 U	0.25	0.85	1
14473	Perfluorotridecanoic acid	72629-94-8	0.34 U	0.34	0.85	1
14473	Perfluoroundecanoic acid	2058-94-8	0.34 U	0.34	1.7	1
Wet Chemistry	**SM 5310 C-2011**		mg/l	mg/l	mg/l	
00273	Total Organic Carbon	n.a.	0.50 U	0.50	1.0	1
	EPA 170.1		Degrees C	Degrees C	Degrees C	
12151	**Temperature of pH**	n.a.	**21.8**	0.010	0.010	1
	SM 4500-H+ B-2011		Std. Units	Std. Units	Std. Units	
12152	**pH**	n.a.	**5.7**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: January 9, 2019

SDG : PFP46

Laboratory: Eurofins, Lancaster, Pennsylvania

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-06(11092018)	9893949	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Field QC samples were not analyzed.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries.

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

TOTAL ORGANIC CARBON (TOC) & pH

SM5310C & SM4500

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Field QC samples were not analyzed for wet chemistry.

Initial Calibration (ICV) - The ICVs exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

REVISED

Sample Description: GWI-06(11092018) Grab Groundwater
COC# 569816
Hoosick Falls

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/09/2018 14:17
SDG#: PFP46-01

Honeywell International, Inc.
ELLE Sample #: WW 9893949
ELLE Group #: 2008125
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersulfonate	27619-97-2	0.91 U	0.91	1.8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	1.8	5.4	1
14473	NEtFOSAA	2991-50-6	0.91 U	0.91	2.7	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	0.91 U	0.91	2.7	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	0.27 U	0.27	0.91	1
14473	**Perfluorobutanoic acid**	375-22-4	**2.7 J**	1.8	5.4	1
14473	Perfluorodecanesulfonate	335-77-3	0.54 U	0.54	1.8	1
14473	Perfluorodecanoic acid	335-76-2	0.82 U	0.82	1.8	1
14473	Perfluorododecanoic acid	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfonate	375-92-8	0.36 U	0.36	1.8	1
14473	Perfluoroheptanoic acid	375-85-9	0.36 U	0.36	0.91	1
14473	Perfluorohexanesulfonate	355-46-4	0.36 U	0.36	1.8	1
14473	Perfluorohexanoic acid	307-24-4	0.36 U	0.36	1.8	1
14473	Perfluorononanoic acid	375-95-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanesulfonamide	754-91-6	0.45 U	0.45	2.7	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.36 U	0.36	1.8	1
14473	Perfluorooctanoic acid	335-67-1	0.27 U	0.27	0.91	1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.4	1
14473	Perfluorotetradecanoic acid	376-06-7	0.27 U	0.27	0.91	1
14473	Perfluorotridecanoic acid	72629-94-8	0.36 U	0.36	0.91	1
14473	Perfluoroundecanoic acid	2058-94-8	0.36 U	0.36	1.8	1
Wet Chemistry	**SM 5310 C-2011**		mg/l	mg/l	mg/l	
00273	**Total Organic Carbon**	n.a.	**1.2**	0.50	1.0	1
	EPA 170.1		Degrees C	Degrees C	Degrees C	
12151	**Temperature of pH**	n.a.	**21.6**	0.010	0.010	1
	SM 4500-H+ B-2011		Std. Units	Std. Units	Std. Units	
12152	**pH**	n.a.	**8.2**	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

*=This limit was used in the evaluation of the final result

NW 11/9/19

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: June 17, 2019

SDG : 680-168507-1

Laboratory: Eurofins Test America, Savannah, Georgia & Buffalo, New York

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	LaCroix Test Well (05022019)	680-168507-1	Water
02	Trip Blank	680-168507-2	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 524.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 680-569616/3	Bromomethane	149%	None	All Associated - ND

Method Blank (MB) - The method blanks exhibited no target compounds.

Trip Blank (TB) - The trip blank sample Trip Blank exhibited the following target compounds.

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
Trip Blank	Methylene Chloride	0.0077	None	All Associated ND

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
5/19/2019 (0903)	Bromomethane	55.4%	UJ	1, 2

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples were not collected.

Sample Analysis - All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Methods 504.1, 525.2, 548.1, 552.2 & 8015C

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample LaCroix Test Well (05022019) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
01	Trichloroacetic Acid	69%/ 67%/ OK	UJ

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria except for the following.

LCS/LCSD ID	Compound	LCS %R/LCSD %R/RPD	Qualifier	Affected samples
680-569091/19-A	Endothall	OK/OK/91	None	None for RPD Alone

Method Blank (MB) - The method blanks applicable to the samples exhibited the following target compounds.

Blank ID	Compound	Conc. mg/L	Qualifier	Affected samples
MB 680-569613/20-A	Bis(2-ethylhexyl)phthalate	0.00086	U	1

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

DIOXIN

USEPA SW-846 Method 1613B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

PESTICIDES & PCBs

USEPA SW-846 Methods 508, 531.1

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria except for the following.

LCS/LCSD ID	Compound	LCS %R/LCSD %R/RPD	Qualifier	Affected samples
LCS 680-571551/63/64	Carbaryl	122%/OK/32	None	All Associated ND
LCS 680-569561/7-A	Aldrin	OK/22%/89	UJ	1
	Dieldrin	124%/126%/OK	None	All Associated ND
	Endrin	119%/132%/OK	None	
	gamma-BHC	OK/120%/OK	None	
	Heptachlor	OK/33%/71	None	
	Heptachlor epoxide	119%/120%/OK	None	
	Methoxychlor	143%/138%/OK	None	
LCS 680-569561/10-A	PCB-1016	19%/OK/126	UJ	1
	PCB-1260	OK/128%/100	None	Sample ND

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

HERBICIDES

USEPA SW-846 Methods 515.1, 547 & 549.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met except for the following.

EDS Sample ID	Date Sampled	Date Extracted	# of Days	Qualifier
1RE	05/02/19	05/22/19	20	J/UJ

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited the following target compounds.

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
680-570409/13-A	2,4-D	0.000257	U	1

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - Sample LaCroix Test Well (05022019) was reanalyzed outside of holding times due to method blank contamination in the original analysis. The reanalysis result for 2,4-D should be used for reporting purposes since it was not affected by blank contamination.

METALS, MERCURY & CYANIDE

USEPA SW-846 Methods 200.7 Rev 4.4, 200.8, 245.1-1994 R3.0 & 335.4

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample LaCroix Test Well (05022019) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All LCS %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial and Continuing Calibration (ICV/CCV) - The ICVs/CCVs exhibited acceptable percent recoveries (%R).

ICP Serial Dilution - The ICP serial dilution of sample LaCroix Test Well (05022019) exhibited acceptable percent differences (%D).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

NITRATE/NITRITE, CHLORIDE, FLUORIDE, SULFATE, BROMATE & CHLORITE, COLOR, TURBIDITY, ODOR, ASBESTOS, FECAL COLIFORM, TOTAL COLIFORM

USEPA SW-846 Methods 300.0, 300.1B, SM2120B. SM2130B, SM2150B, 100.2, Colilert-18, SM9223B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample LaCroix Test Well (05022019) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
01	Bromate	0%/0%/NC	R

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - The field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: UE0927.D

Analysis Method: 524.2 Date Collected: 05/02/2019 09:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 19:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 569616 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
99-87-6	4-Isopropyltoluene	0.00050	U	0.00050	0.00021
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-83-9	Bromomethane	0.0010	~~U~~ TH UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
74-97-5	Chlorobromomethane	0.00050	U	0.00050	0.00030
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: UE0927.D

Analysis Method: 524.2 Date Collected: 05/02/2019 09:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 19:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 569616 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	94		70-130
2199-69-1	1,2-Dichlorobenzene-d4	99		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: UE1614.D

Analysis Method: 524.2 Date Collected: 05/02/2019 09:00

Sample wt/vol: 5(mL) Date Analyzed: 05/16/2019 12:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570553 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-25-2	Bromoform	0.50	U	0.50	0.17
124-48-1	Chlorodibromomethane	0.50	U	0.50	0.13
67-66-3	Chloroform	0.50	U	0.50	0.20
75-27-4	Dichlorobromomethane	0.50	U	0.50	0.079
STL00209	Trihalomethanes, Total	0.50	U	0.50	0.079

CAS NO.	SURROGATE	%REC	Q	LIMITS
2199-69-1	1,2-Dichlorobenzene-d4	100		70-130
460-00-4	4-Bromofluorobenzene	100		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 680-168507-2

Matrix: Water Lab File ID: UE0928.D

Analysis Method: 524.2 Date Collected: 05/02/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 19:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 569616 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
99-87-6	4-Isopropyltoluene	0.00050	U	0.00050	0.00021
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-83-9	Bromomethane	0.0010	~~U~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
74-97-5	Chlorobromomethane	0.00050	U	0.00050	0.00030
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 680-168507-2

Matrix: Water Lab File ID: UE0928.D

Analysis Method: 524.2 Date Collected: 05/02/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 19:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 569616 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
75-09-2	Methylene Chloride	0.00077		0.00050	0.00020
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	95		70-130
2199-69-1	1,2-Dichlorobenzene-d4	100		70-130

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: XE06031.D

Analysis Method: 504.1 Date Collected: 05/02/2019 09:00

Extraction Method: 504.1 Date Extracted: 05/06/2019 12:02

Sample wt/vol: 36(mL) Date Analyzed: 05/06/2019 21:08

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 569230 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-12-8	1,2-Dibromo-3-Chloropropane	<0.0000023		0.000018	0.0000023
106-93-4	Ethylene Dibromide	<0.0000024		0.000018	0.0000024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: Ye1009.D
Analysis Method: 525.2
Date Collected: 05/02/2019 09:00
Extract. Method: 525.2
Date Extracted: 05/09/2019 06:53
Sample wt/vol: 1016.9(mL)
Date Analyzed: 05/13/2019 17:12
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 570040
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	U	0.00020	0.000032
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	U	0.00020	0.000029
117-81-7	Bis(2-ethylhexyl) phthalate 0.0020	~~0.00077~~	~~J B~~ U	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	U	0.00020	0.000040
77-47-4	Hexachlorocyclopentadiene	0.0020	U	0.0020	0.000041
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	U	0.00020	0.000022
1918-16-7	Propachlor	0.00020	U	0.00020	0.000025
122-34-9	Simazine	0.00049	U	0.00049	0.000034

CAS NO.	SURROGATE	%REC	Q	LIMITS
81-20-9	2-Nitro-m-xylene	92		70-130
1520-96-3	Perylene-d12	93		70-130
115-86-6	Triphenylphosphate	104		70-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: Ye1009.D
Analysis Method: 525.2
Date Collected: 05/02/2019 09:00
Extract. Method: 525.2
Date Extracted: 05/09/2019 06:53
Sample wt/vol: 1016.9(mL)
Date Analyzed: 05/13/2019 17:12
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 570040
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
23184-66-9	Butachlor	0.49	U	0.49	0.031
103-23-1	Di(2-ethylhexyl)adipate	1.5	U	1.5	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: 1RE07020.D
Analysis Method: 548.1
Date Collected: 05/02/2019 09:00
Extract. Method: 548.1
Date Extracted: 05/06/2019 07:05
Sample wt/vol: 100(mL)
Date Analyzed: 05/07/2019 14:49
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 569314
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
145-73-3	Endothall	10	U ~~P1~~ T ~~T1~~	10	6.3

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: YE07043.D
Analysis Method: 552.2
Date Collected: 05/02/2019 09:00
Extraction Method: 552.2
Date Extracted: 05/07/2019 06:47
Sample wt/vol: 40(mL)
Date Analyzed: 05/08/2019 06:56
Con. Extract Vol.: 4(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: CLP I ID: 0.32(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 569412
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
631-64-1	Dibromoacetic acid	1.0	U	1.0	0.38
79-43-6	Dichloroacetic acid	1.0	U	1.0	0.98
79-08-3	Monobromoacetic acid	1.0	U	1.0	0.75
79-11-8	Monochloroacetic acid	1.0	U	1.0	0.40
76-03-9	Trichloroacetic acid	1.0	~~U~~ ~~TL~~ UJ	1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
600-05-5	2,3-Dibromopropionic acid	73		70-130

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID:

Analysis Method: 552.2 Date Collected: 05/02/2019 09:00

Extraction Method: Date Extracted:

Sample wt/vol: Date Analyzed: 05/08/2019 06:56

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570038 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00112	Total Haloacetic Acids	1.0	U	1.0	0.38
STL01558	Total Haloacetic Acids 5	1.0	U	1.0	0.38

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: 19GE03015.D

Analysis Method: 8015C Date Collected: 05/02/2019 09:00

Sample wt/vol: 1(mL) Date Analyzed: 05/03/2019 22:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: J&W DB WAX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 569029 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
57-55-6	Propylene glycol	5.0	U	5.0	0.88

FORM I
DIOXIN ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Knoxville
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: 680-168507-d-1-a.d
Analysis Method: 1613B
Date Collected: 05/02/2019 09:00
Extract. Method: HRMS-Sepf
Date Extracted: 05/06/2019 11:44
Sample wt/vol: 1049.7(mL)
Date Analyzed: 05/14/2019 14:17
Con. Extract Vol.: 20(uL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 30019
Units: pg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	EDL
1746-01-6	2,3,7,8-TCDD	9.5	U	9.5	0.27

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
76523-40-5	13C-2,3,7,8-TCDD	71		25-164

CAS NO.	SURROGATE	%REC	Q	LIMITS
85508-50-5	37Cl4-2,3,7,8-TCDD	85		35-197

FORM I
PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: JE13056.d

Analysis Method: 508 Date Collected: 05/02/2019 09:00

Extraction Method: 508 Date Extracted: 05/08/2019 15:15

Sample wt/vol: 1033.4(mL) Date Analyzed: 05/14/2019 02:01

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP I 0.25 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570162 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.000024	~~U TL~~ U J	0.000024	0.0000015
12789-03-6	Chlordane (technical)	0.00024	U	0.00024	0.0000016
60-57-1	Dieldrin	0.000024	U ~~TH~~	0.000024	0.0000015
72-20-8	Endrin	0.000024	U ~~TH~~	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	U ~~TH~~	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	U ~~TL~~	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	U ~~TH~~	0.000024	0.0000016
72-43-5	Methoxychlor	0.000024	U ~~TH~~	0.000024	0.0000075
12674-11-2	PCB-1016	0.00048	~~U TL~~ U J	0.00048	0.000069
11104-28-2	PCB-1221	0.00048	U	0.00048	0.00012
11141-16-5	PCB-1232	0.00048	U	0.00048	0.000071
53469-21-9	PCB-1242	0.00048	U	0.00048	0.000063
12672-29-6	PCB-1248	0.00048	U	0.00048	0.000045
11097-69-1	PCB-1254	0.00048	U	0.00048	0.000096
11096-82-5	PCB-1260	0.00048	U ~~TH~~	0.00048	0.000082
1336-36-3	Polychlorinated biphenyls, Total	0.00048	U	0.00048	0.000045
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000056

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: 1Q052282.D

Analysis Method: 531.1 Date Collected: 05/02/2019 09:00

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 05/24/2019 00:56

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 200(uL) GC Column: C8 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571551 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16655-82-6	3-Hydroxycarbofuran	0.0025	U	0.0025	0.00025
116-06-3	Aldicarb	0.0025	U	0.0025	0.00050
1646-88-4	Aldicarb sulfone	0.0025	U	0.0025	0.00025
1646-87-3	Aldicarb sulfoxide	0.0025	U	0.0025	0.00025
63-25-2	Carbaryl	0.0025	U	0.0025	0.00025
1563-66-2	Carbofuran	0.0025	U	0.0025	0.00025
16752-77-5	Methomyl	0.0025	U	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U	0.0025	0.00037

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: SE160016.D

Analysis Method: 515.1 Date Collected: 05/02/2019 09:00

Extraction Method: 515.1 Date Extracted: 05/15/2019 10:45

Sample wt/vol: 992.8(mL) Date Analyzed: 05/16/2019 23:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-35MS ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570724 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-99-0	Dalapon	0.0050	U	0.0050	0.0010
88-85-7	Dinoseb	0.0010	U	0.0010	0.00015
87-86-5	Pentachlorophenol	0.00020	U	0.00020	0.000038
1918-02-1	Picloram	0.00050	U	0.00050	0.000078
93-72-1	Silvex (2,4,5-TP)	0.00025	U	0.00025	0.000060

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

1RE

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) RE Lab Sample ID: 680-168507-1 RE

Matrix: Water Lab File ID: SE280022.D

Use original

Analysis Method: 515.1 Date Collected: 05/02/2019 09:00

Extraction Method: 515.1 Date Extracted: 05/22/2019 10:41

Sample wt/vol: 1029.8(mL) Date Analyzed: 05/28/2019 20:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-35MS ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 572016 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-99-0	*Dalapon*	*0.0049*	*U HT*	*0.0049*	*0.00097*
88-85-7	*Dinoseb*	*0.00097*	*U HT*	*0.00097*	*0.00015*
87-86-5	*Pentachlorophenol*	*0.00019*	*U HT*	*0.00019*	*0.000037*
1918-02-1	*Picloram*	*0.00049*	*U HT*	*0.00049*	*0.000075*
93-72-1	*Silvex (2,4,5-TP)*	*0.00024*	*U HT*	*0.00024*	*0.000058*

UJ

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: SE160016.D

Analysis Method: 515.1 Date Collected: 05/02/2019 09:00

Extraction Method: 515.1 Date Extracted: 05/15/2019 10:45

Sample wt/vol: 992.8(mL) Date Analyzed: 05/16/2019 23:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-35MS ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570724 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.50	U	0.50	0.086

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

1 RE

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) RE Lab Sample ID: 680-168507-1 RE

Matrix: Water Lab File ID: SE280022.D

Analysis Method: 515.1 Date Collected: 05/02/2019 09:00

Extraction Method: 515.1 Date Extracted: 05/22/2019 10:41

Use original

Sample wt/vol: 1029.8 (mL) Date Analyzed: 05/28/2019 20:45

Con. Extract Vol.: 10 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: DB-35MS ID: 0.32 (mm)

% Moisture: GPC Cleanup: (Y/N) N

Analysis Batch No.: 572016 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	*Dicamba*	*0.49*	~~*U HT*~~ UJ	*0.49*	*0.083*

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: SE160016.D

Use reanalysis

Analysis Method: 515.1 Date Collected: 05/02/2019 09:00

Extraction Method: 515.1 Date Extracted: 05/15/2019 10:45

Sample wt/vol: 992.8(mL) Date Analyzed: 05/16/2019 23:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-XLB ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570724 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	~~0.00018~~ 0.00050	~~J B~~ U	0.00050	0.000037

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	80		70-130

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

IRE

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) RE Lab Sample ID: 680-168507-1 RE

Matrix: Water Lab File ID: SE280022.D

Analysis Method: 515.1 Date Collected: 05/02/2019 09:00

Extraction Method: 515.1 Date Extracted: 05/22/2019 10:41

Sample wt/vol: 1029.8(mL) Date Analyzed: 05/28/2019 20:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB-XLB ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 572016 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.00033	~~J HT~~ J	0.00049	0.000036

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	130		70-130

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: 1R050927.D
Analysis Method: 547
Date Collected: 05/02/2019 09:00
Extraction Method:
Date Extracted:
Sample wt/vol: 1(mL)
Date Analyzed: 05/09/2019 13:37
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: K Cation Exchg ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 569623
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1071-83-6	Glyphosate	25	U	25	5.0

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: 1K050918.D
Analysis Method: 549.2
Date Collected: 05/02/2019 09:00
Extraction Method: 549.2
Date Extracted: 05/06/2019 07:07
Sample wt/vol: 250(mL)
Date Analyzed: 05/09/2019 15:32
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 100(uL)
GC Column: C-18 ID: 4.6(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 569713
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
231-36-7	Diquat	2.0	U	2.0	0.40

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

1

Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG ID.:
Matrix: Water
Date Sampled: 05/02/2019 09:00
Reporting Basis: WET
Date Received: 05/03/2019 09:03

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	0.027	0.050	0.017	mg/L	J		1	200.7 Rev 4.4
7439-96-5	Manganese	0.36	0.010	0.0010	mg/L			1	200.7 Rev 4.4
7440-22-4	Silver	0.010	0.010	0.00060	mg/L	U		1	200.7 Rev 4.4
7440-23-5	Sodium	29.9	1.0	0.48	mg/L			1	200.7 Rev 4.4
7440-66-6	Zinc	0.020	0.020	0.0070	mg/L	U		1	200.7 Rev 4.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8
7440-39-3	Barium	236	2.0	0.14	ug/L			1	200.8
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8
7440-50-8	Copper	0.58	5.0	0.50	ug/L	J		1	200.8
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8
7440-02-0	Nickel	1.4	5.0	0.40	ug/L	J		1	200.8
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

mw 6/24/19

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Lab Name: Eurofins TestAmerica, St. Louis
Job No.: 680-168507-1
SDG ID.:
Matrix: Water
Date Sampled: 05/02/2019 09:00
Reporting Basis: WET
Date Received: 05/03/2019 09:03

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-61-1	Uranium	4.6	1.0	0.40	ug/L			2	200.8

NW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG ID.:
Matrix: Water
Date Sampled: 05/02/2019 09:00
Reporting Basis: WET
Date Received: 05/03/2019 09:03

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0025	mg/L	U		1	335.4

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: 0028.d

Analysis Method: 300.0 Date Collected: 05/02/2019 09:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/03/2019 18:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 568969 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-55-8	Nitrate as N	<0.023		0.050	0.023
STL00217	Nitrate Nitrite as N	<0.023		0.050	0.023
14797-65-0	Nitrite as N	<0.023		0.050	0.023

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: 0037.d

Analysis Method: 300.0 Date Collected: 05/02/2019 09:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/23/2019 17:56

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571540 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
16887-00-6	Chloride	56		0.50	0.20
16984-48-8	Fluoride	0.065	J	0.10	0.040
14808-79-8	Sulfate	26		1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG No.:
Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Matrix: Water
Lab File ID: 0195.d
Analysis Method: 300.1B-1997 R1.
Date Collected: 05/02/2019 09:00
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 05/12/2019 01:55
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS9-HC ID: 2(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 569941
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15541-45-4	Bromate	~~5.0~~	~~U TL~~ R	5.0	2.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	99		90-115

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: 0033.d

Analysis Method: 300.1B-1997 R1. Date Collected: 05/02/2019 09:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/14/2019 07:51

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS9-HC ID: 2(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570136 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14998-27-7	Chlorite	20	U	20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
79-43-6	Dichloroacetic acid(Surr)	110		90-115

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: LaCroix Test Well (05022019)
Lab Sample ID: 680-168507-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 680-168507-1
SDG ID.:
Matrix: Water
Date Sampled: 05/02/2019 09:00
Reporting Basis: WET
Date Received: 05/03/2019 09:03

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Color	<5.0	5.0		PCU			1	SM 2120B
	Turbidity	0.14	0.10		NTU			1	SM 2130B
	Odor at 60°C	1.00	1.00		T.O.N.	U	~~HT~~	1	SM 2150B

NW 6/24/19

eurofins | CEI

ASBESTOS IN DRINKING WATER ANALYSIS
By: TRANSMISSION ELECTRON MICROSCOPY

Client: TestAmerica Savannah
5102 La Roche Avenue
Savannah, GA 31404

		Lab Code:	R190035
Time Collected:	9:00 AM	**Date Collected:**	05-02-19
Time Received:	8:40 AM	**Date Received:**	05-06-19
Time Filtered:	3:30 PM	**Date Filtered:**	05-07-19
Time Analyzed:	8:23 AM	**Date Analyzed:**	05-07-19
Avg Grid Opening Size:	.0100 mm^2	**Date Reported:**	05-10-19

Project: Hoosick Falls Water Quality Testing, 68020710

TEM DRINKING WATER (EPA 100.2)

Client ID Lab ID	Sample Volume Filtered	Dilution Factor	Effective Filter Area (mm^2)	# Of Grid Openings Analyzed	Total Area of Filter Examined	Analytical Sensitivity (MFL)	Asbestos Type	Concentration >10 µm	Concentration (MFL)	Confidence Limit Lower	Confidence Limit Upper
LaCroix Test Well (05022019) (680-168507-1) R00124	100	2	1064.1	10	0.1	0.213	None Detected	0	<.21	0.0	<0.79

MW 6/17/19

(518) 525-5479, 5480 **St. Peter's Hospital Environmental Laboratory** 19 Warehouse Row, Albany, NY 12205

TestAmerica Buffalo

10 Hazelwood Drive
Amherst ,NY 14228

Printed On : 5/3/2019 Page 1 of 1

Sample ID: **AZ05280**
Date Received: 05/02/2019
Time Received: 13:06
Date Finalized: 5/3/2019
PO Number:
Your Ref: 68021782

Customer: TestAmerica Buffalo
Owner: Hoosick Falls
Sample Loc: LaCroix Test Well
Sample Pt: LaCroix Test Well

Collect Date: 05/02/2019
Collect Time: 09:00
Collected by:
Receipt Temp: 2 4 C on ice chilling

Water Source: DW
Chlorinated: No *Field Residual Chlorine:*

Potable: Yes
Grab/Comp: Grab

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Fecal Coliform	<1			MPN/100 mL	Colilert-18	BJS/BS	5/3/2019
Total Coliform	Negative			per 100 mL	SM9223B	BJS/BS	5/2/2019

Qualifiers Key:

X	Exceeds maximum contamination limit	R	Duplication outside acceptance limits	H	Hold time exceeded
T	Temperature outside specifications	A	Sample contained air bubble or headspace	B	Analyte detected in blank
C(+/-)	CCV outside acceptable limits	Z	Analysis is not state-certified	G	Incorrect bottle received
S(+/-)	Lab control sample outside acceptance limits	M(+/-)	Matrix spike recovery outside acceptance limits	P	Sample preserved at lab

(+ Result may be biased high / - Result may be biased low)

Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards

Note 1 Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

Sample is NEGATIVE for Total Coliform. This result indicates that the water WAS of a SATISFACTORY sanitary quality when sampled for the contaminants examined. Sample is negative for Escherichia coli. For drinking water samples, any positive result for total coliform and/or Escherichia coli is unacceptable.
Sample was NEGATIVE when screened for total residual chlorine in laboratory.
Bacteriological sample was set up on 05/02 /19 at 13:10

Test procedures for all analyses meet NELAC requirements unless noted.

John Wilson

John Wilson
Environmental Laboratory Supervisor and contact person
If you have questions, please call.
(518) 525-5480 / 5479

Reviewed by Betty Sherman
These results relate to samples as received.

New York State DOH E.L.A.P. # 10350

MW 6/7/19

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: June 17, 2019

SDG : 680-168507-2

Laboratory: Eurofins Test America, Sacramento, California

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	LaCroix Test Well (05022019)	680-168507-1	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks exhibited the following target compounds.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
MB 320-294863/1-A	PFBA	0.398	U	1
	PFHxS	0.321	U	

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries.

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Sacramento Job No.: 680-168507-2

SDG No.:

Client Sample ID: LaCroix Test Well (05022019) Lab Sample ID: 680-168507-1

Matrix: Water Lab File ID: 2019.05.16LLC_036.d

Analysis Method: 537 (modified) Date Collected: 05/02/2019 09:00

Extraction Method: 3535 Date Extracted: 05/16/2019 07:30

Sample wt/vol: 265.3(mL) Date Analyzed: 05/17/2019 12:05

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: Acquity ID: 2.1(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 295139 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	3.1	~~B~~ U	1.9	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46
307-24-4	Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55
375-85-9	Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80
375-95-1	Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25
335-76-2	Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29
2058-94-8	Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0
307-55-1	Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52
72629-94-8	Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2
376-06-7	Perfluorotetradecanoic acid (PFTeA)	<0.27		1.9	0.27
375-73-5	Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.25	~~J B~~ U	1.9	0.16
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51
335-77-3	Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30
754-91-6	Perfluorooctanesulfonamide (FOSA)	<0.33		1.9	0.33
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.9		19	2.9
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.8		19	1.8
27619-97-2	6:2 FTS	<1.9		19	1.9
39108-34-4	8:2 FTS	<1.9		19	1.9

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: August 8, 2019

SDG : 680-168507-3

Laboratory: Eurofins Test America, Savannah, Georgia & Pace Analytical, Greensburg, PA

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	LaCroix Test Well (05022018)	680-168507-1	Water

GROSS ALPHA/BETA, RADIUM-226, RADIUM-228

Analytical Methods 900.0, 903.1, 904.0

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples were below the reporting limits.

Equipment Blank (EB) - Equipment blank samples were not analyzed.

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - Negative results have been negated and qualified as nondetected (U).

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Hoosick Falls Water Quality
Pace Project No.: 30311425

Sample: LaCroix Test Well (05022019) **Lab ID: 30311425001** Collected: 05/02/19 09:00 Received: 06/28/19 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**-0.242 ± 1.01 (2.13) C:NA T:NA** U	pCi/L	07/02/19 17:33	12587-46-1	
Gross Beta	EPA 900.0	**1.21 ± 0.591 (0.987) C:NA T:NA**	pCi/L	07/02/19 17:33	12587-47-2	
Radium-226	EPA 903.1	**-0.0713 ± 0.463 (1.00) C:NA T:93%** U	pCi/L	07/08/19 12:18	13982-63-3	
Radium-228	EPA 904.0	**-0.367 ± 0.309 (0.781) C:85% T:82%** U	pCi/L	07/11/19 15:13	15262-20-1	

REPORT OF LABORATORY ANALYSIS

NW 8/8/19

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: June 17, 2019

SDG : 480-153202-1

Laboratory: Eurofins Test America, Savannah, Georgia

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01 (05072019)	480-153202-1	Water
02	GWI-02 (05072019)	480-153202-2	Water
03	GWI-03 (05072019)	480-153202-3	Water
03MS	GWI-03 (05072019)MS	480-153202-3MS	Water
03MSD	GWI-03 (05072019)MSD	480-153202-3MSD	Water
04	GWI-04 (05072019)	480-153202-4	Water
05	GWI-05 (05082019)	480-153202-5	Water
06	GWI-06 (05072019)	480-153202-6	Water
07	DUP (05072019)	480-153202-7	Water
08	FB (05072019)	480-153202-8	Water
09	EB (05072019)	480-153202-9	Water
10	TB (05072019)	480-153202-10	Water
11	EB (05082019)	480-153202-11	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 524.2

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-03 (05072019) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier
03	Bromomethane	160%/161%/OK	None - See CCAL
	Chloroethane	0%/0%/NC	R
	Vinyl Chloride	0%/0%/NC	

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 680-571015/3	Bromomethane	154%	None	All Associated ND

Method Blank (MB) - The method blanks exhibited no target compounds.

Field Blank/Trip Blank/Equipment Blank (FB/TB/EB) - The field QC samples FB (05072019), TB (05072019), EB (05072019), and EB (05082019) exhibited no target compounds.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
5/20/2019 (0844)	Bromomethane	70.3%	UJ	All Samples

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

METALS, MERCURY

USEPA SW-846 Methods 200.8 Rev 5.4, 245.1 Rev 3.0

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-03 (05072019) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier	Affected Samples
03	Potassium	OK/52%/OK	None	4X Rule Applies

Laboratory Control Sample (LCS) - All LCS %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank/Field Blank (EB/FB) - The field QC samples FB (05072019), EB (05072019), and EB (05082019) exhibited the following target compounds.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
EB (05072019)	Aluminum	5.0	U	1, 2, 7
	Manganese	1.2	U	3

Initial and Continuing Calibration (ICV/CCV) - The ICVs/CCVs exhibited acceptable percent recoveries (%R).

ICP Serial Dilution - The ICP serial dilution of sample GWI-03 (05072019) exhibited acceptable percent differences (%D).

Field Duplicate - The field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

NITRATE/NITRITE, BOD, TKN, COD, ALKALINITY, AMMONIA, SULFATE, pH, SPECIFIC CONDUCTIVITY, RESISTIVITY, TDS

USEPA SW-846 Methods 353.2, SM5210B, 351.2, 410.4, SM2320B, SM4500-NH3, SM4500H, SM2510B-2011, SM2540C-2011, 300.0

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Inorganic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) Several samples were analyzed outside the holding time criteria for nitrate/nitrite and/or BOD. These results were qualified estimated (UJ).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD samples GWI-01 (09262018) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

EDS Sample ID	Compound	MS %R/MSD %R/RPD	Qualifier	Affected Samples
3	Nitrite as N	126%/122%/OK	J	3
	Ammonia	114%/115%/OK	None	Sample ND
1	Ammonia	113%/114%/OK	None	Sample ND

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - The field QC samples FB (05072019), EB (05072019), and EB (05082019) exhibited the following target compounds.

Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
FB (05072019)	Nitrogen, Kjeldahl	0.14	None	For Wet Chem
EB (05072019)	None - ND	-	-	-
EB (05082019)	None - ND	-	-	-

Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

Field Duplicate - The field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable RPD values.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 01 (05072019) Lab Sample ID: 480-153202-1

Matrix: Water Lab File ID: UE2017.D

Analysis Method: 524.2 Date Collected: 05/07/2019 18:10

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 14:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U~~ ~~TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 01 (05072019) Lab Sample ID: 480-153202-1

Matrix: Water Lab File ID: UE2017.D

Analysis Method: 524.2 Date Collected: 05/07/2019 18:10

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 14:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
2199-69-1	1,2-Dichlorobenzene-d4	102		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1
SDG No.:
Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2
Matrix: Water Lab File ID: UE2018.D
Analysis Method: 524.2 Date Collected: 05/07/2019 15:15
Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 15:21
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2

Matrix: Water Lab File ID: UE2018.D

Analysis Method: 524.2 Date Collected: 05/07/2019 15:15

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 15:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00024	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
2199-69-1	1,2-Dichlorobenzene-d4	99		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 03 (05072019) Lab Sample ID: 480-153202-3

Matrix: Water Lab File ID: UE2019.D

Analysis Method: 524.2 Date Collected: 05/07/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 15:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U PH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	~~0.0010~~	~~U TL~~ R	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

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3

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 03 (05072019) Lab Sample ID: 480-153202-3

Matrix: Water Lab File ID: UE2019.D

Analysis Method: 524.2 Date Collected: 05/07/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 15:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00011	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	~~0.00050~~	~~U TL~~ R	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
2199-69-1	1,2-Dichlorobenzene-d4	99		70-130

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GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 04 (05072019) Lab Sample ID: 480-153202-4

Matrix: Water Lab File ID: UE2020.D

Analysis Method: 524.2 Date Collected: 05/07/2019 17:15

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 04 (05072019) Lab Sample ID: 480-153202-4

Matrix: Water Lab File ID: UE2020.D

Analysis Method: 524.2 Date Collected: 05/07/2019 17:15

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 05 (05082019) Lab Sample ID: 480-153202-5

Matrix: Water Lab File ID: UE2021.D

Analysis Method: 524.2 Date Collected: 05/08/2019 10:35

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 05 (05082019) Lab Sample ID: 480-153202-5

Matrix: Water Lab File ID: UE2021.D

Analysis Method: 524.2 Date Collected: 05/08/2019 10:35

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00011	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
2199-69-1	1,2-Dichlorobenzene-d4	101		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 06 (05072019) Lab Sample ID: 480-153202-6

Matrix: Water Lab File ID: UE2022.D

Analysis Method: 524.2 Date Collected: 05/07/2019 15:10

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 06 (05072019) Lab Sample ID: 480-153202-6

Matrix: Water Lab File ID: UE2022.D

Analysis Method: 524.2 Date Collected: 05/07/2019 15:10

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
2199-69-1	1,2-Dichlorobenzene-d4	104		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7

Matrix: Water Lab File ID: UE2023.D

Analysis Method: 524.2 Date Collected: 05/07/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 17:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7

Matrix: Water Lab File ID: UE2023.D

Analysis Method: 524.2 Date Collected: 05/07/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 17:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00022	J	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
2199-69-1	1,2-Dichlorobenzene-d4	99		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: FB 05072019 Lab Sample ID: 480-153202-8

Matrix: Water Lab File ID: UE2015.D

Analysis Method: 524.2 Date Collected: 05/07/2019 07:30

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 14:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: FB 05072019 Lab Sample ID: 480-153202-8

Matrix: Water Lab File ID: UE2015.D

Analysis Method: 524.2 Date Collected: 05/07/2019 07:30

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 14:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
2199-69-1	1,2-Dichlorobenzene-d4	102		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: EB 05072019 Lab Sample ID: 480-153202-9

Matrix: Water Lab File ID: UE2013.D

Analysis Method: 524.2 Date Collected: 05/07/2019 17:00

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: EB 05072019 Lab Sample ID: 480-153202-9

Matrix: Water Lab File ID: UE2013.D

Analysis Method: 524.2 Date Collected: 05/07/2019 17:00

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
2199-69-1	1,2-Dichlorobenzene-d4	102		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

10

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: TB 05072019 Lab Sample ID: 480-153202-10

Matrix: Water Lab File ID: UE2012.D

Analysis Method: 524.2 Date Collected: 05/07/2019 07:00

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 12:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

10

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: TB 05072019 Lab Sample ID: 480-153202-10

Matrix: Water Lab File ID: UE2012.D

Analysis Method: 524.2 Date Collected: 05/07/2019 07:00

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 12:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
2199-69-1	1,2-Dichlorobenzene-d4	102		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: EB 05082019 Lab Sample ID: 480-153202-11

Matrix: Water Lab File ID: UE2014.D

Analysis Method: 524.2 Date Collected: 05/08/2019 13:30

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 13:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	U	0.00050	0.000082
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000091
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.00030
74-83-9	Bromomethane	0.0010	~~U TH~~ UJ	0.0010	0.00020
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.00011
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.00014
75-00-3	Chloroethane	0.0010	U	0.0010	0.00022
74-87-3	Chloromethane	0.00050	U	0.00050	0.00015
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.00011
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.00013
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.000081
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.00016
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.00011
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.000086
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.00015
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.000096
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.00010
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.00020
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.000095
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.00026
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.00015
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.00021
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.000093
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00015
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.00017
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.00017
95-47-6	o-Xylene	0.00050	U	0.00050	0.000086
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00014
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: EB 05082019 Lab Sample ID: 480-153202-11

Matrix: Water Lab File ID: UE2014.D

Analysis Method: 524.2 Date Collected: 05/08/2019 13:30

Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 13:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 571015 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.00014
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.00024
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.00013
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.00050	U	0.00050	0.000086
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.000090
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.00011
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.00012
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	U	0.00050	0.00013
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.00023
96-18-4	1,2,3-Trichloropropane	0.00050	U	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.00017
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.00016
75-01-4	Vinyl chloride	0.00050	U	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
2199-69-1	1,2-Dichlorobenzene-d4	100		70-130

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

1

Client Sample ID: GWI - 01 (05072019)
Lab Sample ID: 480-153202-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 18:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	49.0	10.0	4.6	ug/L	U		1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L			1	200.8-1994 R5.4
7440-39-3	Barium	251	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.28	0.40	0.12	ug/L	J		1	200.8-1994 R5.4
7440-50-8	Copper	0.71	5.0	0.50	ug/L	J		1	200.8-1994 R5.4
7439-92-1	Lead	0.093	0.30	0.060	ug/L	J		1	200.8-1994 R5.4
7439-96-5	Manganese	506	2.5	1.2	ug/L			1	200.8-1994 R5.4
7440-02-0	Nickel	1.5	5.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-09-7	Potassium	1200	100	31.0	ug/L			1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

mw 6/24/19

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INORGANIC ANALYSIS DATA SHEET
METALS

2

Client Sample ID: GWI - 02 (05072019)
Lab Sample ID: 480-153202-2
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	30.7	10.0	4.6	ug/L	U		1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	0.70	1.0	0.37	ug/L	J		1	200.8-1994 R5.4
7440-39-3	Barium	188	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.20	0.40	0.12	ug/L	J		1	200.8-1994 R5.4
7440-50-8	Copper	0.71	5.0	0.50	ug/L	J		1	200.8-1994 R5.4
7439-92-1	Lead	0.085	0.30	0.060	ug/L	J		1	200.8-1994 R5.4
7439-96-5	Manganese	441	2.5	1.2	ug/L			1	200.8-1994 R5.4
7440-02-0	Nickel	1.3	5.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-09-7	Potassium	4600	100	31.0	ug/L			1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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INORGANIC ANALYSIS DATA SHEET
METALS

3

Client Sample ID: GWI - 03 (05072019)
Lab Sample ID: 480-153202-3
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 09:45
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	109	10.0	4.6	ug/L			1	200.8-1994 R5.4
7440-36-0	Antimony	0.69	1.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-38-2	Arsenic	2.1	1.0	0.37	ug/L			1	200.8-1994 R5.4
7440-39-3	Barium	28.5	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-1994 R5.4
7440-50-8	Copper	1.3	5.0	0.50	ug/L	J		1	200.8-1994 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-1994 R5.4
7439-96-5	Manganese	8.7	2.5	1.2	ug/L	U		1	200.8-1994 R5.4
7440-02-0	Nickel	0.51	5.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-09-7	Potassium	12200	100	31.0	ug/L		~~TL~~	1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	4.0	1.0	0.30	ug/L			1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

mw 6/24/19

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INORGANIC ANALYSIS DATA SHEET
METALS

4

Client Sample ID: GWI - 04 (05072019)
Lab Sample ID: 480-153202-4
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	186	10.0	4.6	ug/L			1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	2.7	1.0	0.37	ug/L			1	200.8-1994 R5.4
7440-39-3	Barium	105	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.25	0.40	0.12	ug/L	J		1	200.8-1994 R5.4
7440-50-8	Copper	0.79	5.0	0.50	ug/L	J		1	200.8-1994 R5.4
7439-92-1	Lead	0.14	0.30	0.060	ug/L	J		1	200.8-1994 R5.4
7439-96-5	Manganese	379	2.5	1.2	ug/L			1	200.8-1994 R5.4
7440-02-0	Nickel	2.0	5.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-09-7	Potassium	1310	100	31.0	ug/L			1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	0.74	1.0	0.30	ug/L	J		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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INORGANIC ANALYSIS DATA SHEET
METALS

5

Client Sample ID: GWI - 05 (05082019)
Lab Sample ID: 480-153202-5
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 10:35
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	87000	10.0	4.6	ug/L			1	200.8-1994 R5.4
7440-36-0	Antimony	0.46	1.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-38-2	Arsenic	32.0	1.0	0.37	ug/L			1	200.8-1994 R5.4
7440-39-3	Barium	983	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	4.9	0.40	0.15	ug/L			1	200.8-1994 R5.4
7440-43-9	Cadmium	1.4	0.50	0.043	ug/L			1	200.8-1994 R5.4
7440-47-3	Chromium	125	10.0	5.0	ug/L			5	200.8-1994 R5.4
7440-48-4	Cobalt	47.6	0.40	0.12	ug/L			1	200.8-1994 R5.4
7440-50-8	Copper	166	5.0	0.50	ug/L			1	200.8-1994 R5.4
7439-92-1	Lead	80.1	0.30	0.060	ug/L			1	200.8-1994 R5.4
7439-96-5	Manganese	3450	2.5	1.2	ug/L			1	200.8-1994 R5.4
7440-02-0	Nickel	115	5.0	0.40	ug/L			1	200.8-1994 R5.4
7440-09-7	Potassium	20800	500	155	ug/L			5	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L			1	200.8-1994 R5.4
7440-22-4	Silver	0.41	1.0	0.10	ug/L	J		1	200.8-1994 R5.4
7440-28-0	Thallium	0.42	0.20	0.10	ug/L			1	200.8-1994 R5.4
7440-62-2	Vanadium	92.3	5.0	1.5	ug/L			5	200.8-1994 R5.4
7440-66-6	Zinc	353	20.0	2.8	ug/L			1	200.8-1994 R5.4
7439-97-6	Mercury	0.10	0.20	0.080	ug/L	J		1	245.1-1994 R3.0

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

b

Client Sample ID: GWI - 06 (05072019)
Lab Sample ID: 480-153202-6
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	97.4	10.0	4.6	ug/L			1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L			1	200.8-1994 R5.4
7440-39-3	Barium	203	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.18	0.40	0.12	ug/L	J		1	200.8-1994 R5.4
7440-50-8	Copper	0.83	5.0	0.50	ug/L	J		1	200.8-1994 R5.4
7439-92-1	Lead	0.078	0.30	0.060	ug/L	J		1	200.8-1994 R5.4
7439-96-5	Manganese	349	2.5	1.2	ug/L			1	200.8-1994 R5.4
7440-02-0	Nickel	1.2	5.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-09-7	Potassium	1330	100	31.0	ug/L			1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

7

Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG ID.:

Matrix: Water Date Sampled: 05/07/2019 00:00

Reporting Basis: WET Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	31.8	10.0	4.6	ug/L	U		1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	0.83	1.0	0.37	ug/L	J		1	200.8-1994 R5.4
7440-39-3	Barium	196	2.0	0.14	ug/L			1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.22	0.40	0.12	ug/L	J		1	200.8-1994 R5.4
7440-50-8	Copper	0.74	5.0	0.50	ug/L	J		1	200.8-1994 R5.4
7439-92-1	Lead	0.089	0.30	0.060	ug/L	J		1	200.8-1994 R5.4
7439-96-5	Manganese	460	2.5	1.2	ug/L			1	200.8-1994 R5.4
7440-02-0	Nickel	1.4	5.0	0.40	ug/L	J		1	200.8-1994 R5.4
7440-09-7	Potassium	4760	100	31.0	ug/L			1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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INORGANIC ANALYSIS DATA SHEET
METALS

8

Client Sample ID: FB 05072019
Lab Sample ID: 480-153202-8
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 07:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10.0	10.0	4.6	ug/L	U		1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8-1994 R5.4
7440-39-3	Barium	2.0	2.0	0.14	ug/L	U		1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-1994 R5.4
7440-50-8	Copper	5.0	5.0	0.50	ug/L	U		1	200.8-1994 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-1994 R5.4
7439-96-5	Manganese	2.5	2.5	1.2	ug/L	U		1	200.8-1994 R5.4
7440-02-0	Nickel	5.0	5.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-09-7	Potassium	100	100	31.0	ug/L	U		1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

mw 6/24/19

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

9

Client Sample ID: EB 05072019
Lab Sample ID: 480-153202-9
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5.0	10.0	4.6	ug/L	J		1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8-1994 R5.4
7440-39-3	Barium	2.0	2.0	0.14	ug/L	U		1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-1994 R5.4
7440-50-8	Copper	5.0	5.0	0.50	ug/L	U		1	200.8-1994 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-1994 R5.4
7439-96-5	Manganese	1.2	2.5	1.2	ug/L	J		1	200.8-1994 R5.4
7440-02-0	Nickel	5.0	5.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-09-7	Potassium	100	100	31.0	ug/L	U		1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

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INORGANIC ANALYSIS DATA SHEET
METALS

11

Client Sample ID: EB 05082019
Lab Sample ID: 480-153202-11
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 13:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10.0	10.0	4.6	ug/L	U		1	200.8-1994 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8-1994 R5.4
7440-39-3	Barium	2.0	2.0	0.14	ug/L	U		1	200.8-1994 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-1994 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-1994 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-1994 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-1994 R5.4
7440-50-8	Copper	5.0	5.0	0.50	ug/L	U		1	200.8-1994 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-1994 R5.4
7439-96-5	Manganese	2.5	2.5	1.2	ug/L	U		1	200.8-1994 R5.4
7440-02-0	Nickel	5.0	5.0	0.40	ug/L	U		1	200.8-1994 R5.4
7440-09-7	Potassium	100	100	31.0	ug/L	U		1	200.8-1994 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1994 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1994 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1994 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1994 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1994 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1994 R3.0

NW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: GWI - 01 (05072019)
Lab Sample ID: 480-153202-1
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 18:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U		1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	~~U~~ UJ	~~HF~~	1	SM 5210B

lw 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

2

Client Sample ID: GWI - 02 (05072019)
Lab Sample ID: 480-153202-2
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U		1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	~~U~~ UJ	~~UH~~	1	SM 5210B

MW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: GWI - 03 (05072019)
Lab Sample ID: 480-153202-3
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 09:45
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.022	0.050	0.020	mg/L	J J	~~HT TH~~	1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	J UJ	~~HT~~	1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	J UJ	HT	1	SM 5210B

pw 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: GWI - 04 (05072019)
Lab Sample ID: 480-153202-4
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U		1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	UJ	~~HT~~	1	SM 5210B

MW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: GWI - 05 (05082019)
Lab Sample ID: 480-153202-5
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 10:35
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.040	0.050	0.020	mg/L	J		1	Nitrate by calc
	Biochemical Oxygen Demand	120	120	120	mg/L	U		20	SM 5210B
	Biochemical Oxygen Demand	30.0	30.0	30.0	mg/L	~~U~~ UJ	~~HT~~	5	SM 5210B

JW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

6

Client Sample ID: GWI - 06 (05072019)
Lab Sample ID: 480-153202-6
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U		1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	UJ	~~H~~	1	SM 5210B

mw 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

7

Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-153202-1

SDG ID.:

Matrix: Water Date Sampled: 05/07/2019 00:00

Reporting Basis: WET Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U UJ	HT	1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U	HT	1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	U	HT	1	SM 5210B

MW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

8

Client Sample ID: FB 05072019 | Lab Sample ID: 480-153202-8

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-153202-1

SDG ID.:

Matrix: Water | Date Sampled: 05/07/2019 07:30

Reporting Basis: WET | Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U UJ	HT	1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U	HT	1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	U	HT	1	SM 5210B

LW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

9

Client Sample ID: EB 05072019
Lab Sample ID: 480-153202-9
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U		1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	~~U~~ UJ	~~HT~~	1	SM 5210B

NW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

11

Client Sample ID: EB 05082019
Lab Sample ID: 480-153202-11
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 13:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	U		1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	U		1	SM 5210B

NJ 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: GWI - 01 (05072019)
Lab Sample ID: 480-153202-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 18:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.21	0.20	0.10	mg/L			1	351.2-1993 R2.0
	Chemical Oxygen Demand	7.5	10.0	5.0	mg/L	J		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	206	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: GWI - 01 (05072019)
Lab Sample ID: 480-153202-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 18:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	8.1			SU		HF	1	4500 H+ B-2011

lw 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

1

Client Sample ID: GWI - 01 (05072019)
Lab Sample ID: 480-153202-1
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 18:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	590	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	384	20.0		mg/L			1	2540C-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

2

Client Sample ID: GWI - 02 (05072019)
Lab Sample ID: 480-153202-2
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.18	0.20	0.10	mg/L	J		1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	217	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.18	0.25	0.10	mg/L	J		1	4500 NH3 G-2011

NW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

2

Client Sample ID: GWI - 02 (05072019)
Lab Sample ID: 480-153202-2
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	8.1			SU		HF	1	4500 H+ B-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

2

Client Sample ID: GWI - 02 (05072019)
Lab Sample ID: 480-153202-2
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	624	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	412	20.0		mg/L			1	2540C-2011

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: GWI - 03 (05072019)
Lab Sample ID: 480-153202-3
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 09:45
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.10	0.20	0.10	mg/L	J		1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	63.9	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U	TH	1	4500 NH3 G-2011

MW 6/24/19

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: GWI - 03 (05072019)
Lab Sample ID: 480-153202-3
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 09:45
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	8.7			SU		~~HF~~	1	4500 H+ B-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

3

Client Sample ID: GWI - 03 (05072019)
Lab Sample ID: 480-153202-3
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 09:45
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	256	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	20.0	10.0		mg/L			1	2540C-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: GWI - 04 (05072019)
Lab Sample ID: 480-153202-4
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.29	0.20	0.10	mg/L			1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	180	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.15	0.25	0.10	mg/L	J		1	4500 NH3 G-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: GWI - 04 (05072019)
Lab Sample ID: 480-153202-4
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	8.2			SU		~~HF~~	1	4500 H+ B-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

4

Client Sample ID: GWI - 04 (05072019)
Lab Sample ID: 480-153202-4
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:15
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	418	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	288	20.0		mg/L			1	2540C-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: GWI - 05 (05082019)
Lab Sample ID: 480-153202-5
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 10:35
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	2.8	0.20	0.10	mg/L			1	351.2-1993 R2.0
	Chemical Oxygen Demand	143	100	50.0	mg/L			10	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	6.3	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.34	0.25	0.10	mg/L			1	4500 NH3 G-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: GWI - 05 (05082019)
Lab Sample ID: 480-153202-5
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 10:35
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	10.7			SU		~~HF~~	1	4500 H+ B-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

5

Client Sample ID: GWI - 05 (05082019)
Lab Sample ID: 480-153202-5
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 10:35
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	444	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	314	20.0		mg/L			1	2540C-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

6

Client Sample ID: GWI - 06 (05072019)
Lab Sample ID: 480-153202-6
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.18	0.20	0.10	mg/L	J		1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	290	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

b

Client Sample ID: GWI - 06 (05072019)
Lab Sample ID: 480-153202-6
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	8.1			SU		~~HF~~	1	4500 H+ B-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

6

Client Sample ID: GWI - 06 (05072019)
Lab Sample ID: 480-153202-6
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 15:10
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	582	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	390	20.0		mg/L			1	2540C-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

7

Client Sample ID: DUP 05072019
Lab Sample ID: 480-153202-7
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 00:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.24	0.20	0.10	mg/L			1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	209	5.0	5.0	mg/L			1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

7

Client Sample ID: DUP 05072019
Lab Sample ID: 480-153202-7
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 00:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	8.1			SU		~~HF~~	1	4500 H+ B-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

7

Client Sample ID: DUP 05072019
Lab Sample ID: 480-153202-7
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 00:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	625	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	398	20.0		mg/L			1	2540C-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

8

Client Sample ID: FB 05072019
Lab Sample ID: 480-153202-8
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 07:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.14	0.20	0.10	mg/L	J		1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	5.0	5.0	5.0	mg/L	U		1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

8

Client Sample ID: FB 05072019
Lab Sample ID: 480-153202-8
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 07:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.1			SU		~~HF~~	1	4500 H+ B-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

8

Client Sample ID: FB 05072019
Lab Sample ID: 480-153202-8
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 07:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	10.1	5.00		umhos/cm			1	2510B-2011
	Resistivity	0.200	0.200		Mohm-cm	U		1	2510B-2011
	Total Dissolved Solids	5.0	5.0		mg/L	U		1	2540C-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

9

Client Sample ID: EB 05072019
Lab Sample ID: 480-153202-9
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.20	0.20	0.10	mg/L	U		1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	5.0	5.0	5.0	mg/L	U		1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

9

Client Sample ID: EB 05072019
Lab Sample ID: 480-153202-9
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	5.8			SU		~~HF~~	1	4500 H+ B-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

9

Client Sample ID: EB 05072019
Lab Sample ID: 480-153202-9
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/07/2019 17:00
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	5.00	5.00		umhos/cm	U		1	2510B-2011
	Resistivity	0.633	0.200		Mohm-cm			1	2510B-2011
	Total Dissolved Solids	5.0	5.0		mg/L	U		1	2540C-2011

jw 6/24/19

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

11

Client Sample ID: EB 05082019
Lab Sample ID: 480-153202-11
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 13:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrogen, Kjeldahl	0.20	0.20	0.10	mg/L	U		1	351.2-1993 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-1993 R2.0
	Bicarbonate Alkalinity as CaCO3	5.0	5.0	5.0	mg/L	U		1	2320B-2011
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

11

Client Sample ID: EB 05082019
Lab Sample ID: 480-153202-11
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 13:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	pH	6.2			SU		HF	1	4500 H+ B-2011

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INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

11

Client Sample ID: EB 05082019
Lab Sample ID: 480-153202-11
Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG ID.:
Matrix: Water
Date Sampled: 05/08/2019 13:30
Reporting Basis: WET
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Specific Conductance	5.00	5.00		umhos/cm	U		1	2510B-2011
	Resistivity	0.885	0.200		Mohm-cm			1	2510B-2011
	Total Dissolved Solids	5.0	5.0		mg/L	U		1	2540C-2011

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FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 01 (05072019) Lab Sample ID: 480-153202-1

Matrix: Water Lab File ID: 0080.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/07/2019 18:10

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 06:10

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	24		1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG No.:
Client Sample ID: GWI - 02 (05072019)
Lab Sample ID: 480-153202-2
Matrix: Water
Lab File ID: 0081.d
Analysis Method: 300.0-1993 R2.1
Date Collected: 05/07/2019 15:15
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 05/24/2019 06:23
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 571693
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	24		1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 03 (05072019) Lab Sample ID: 480-153202-3

Matrix: Water Lab File ID: 0077.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/07/2019 09:45

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 05:33

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	23		1.0	0.40

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HPLC/IC ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 04 (05072019) Lab Sample ID: 480-153202-4

Matrix: Water Lab File ID: 0082.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/07/2019 17:15

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 06:35

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	27		1.0	0.40

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HPLC/IC ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 05 (05082019) Lab Sample ID: 480-153202-5

Matrix: Water Lab File ID: 0083.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/08/2019 10:35

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 06:47

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	150		1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: GWI - 06 (05072019) Lab Sample ID: 480-153202-6

Matrix: Water Lab File ID: 0084.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/07/2019 15:10

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 07:00

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	24		1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

7

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7

Matrix: Water Lab File ID: 0085.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/07/2019 00:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 07:12

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	25		1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

8

Lab Name: Eurofins TestAmerica, Savannah
Job No.: 480-153202-1
SDG No.:
Client Sample ID: FB 05072019
Lab Sample ID: 480-153202-8
Matrix: Water
Lab File ID: 0086.d
Analysis Method: 300.0-1993 R2.1
Date Collected: 05/07/2019 07:30
Extraction Method:
Date Extracted:
Sample wt/vol: 5(mL)
Date Analyzed: 05/24/2019 07:25
Con. Extract Vol.: 5(mL)
Dilution Factor: 1
Injection Volume: 25(uL)
GC Column: Dionex AS18 ID: 4(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 571693
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1.0	U	1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

9

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: EB 05072019 Lab Sample ID: 480-153202-9

Matrix: Water Lab File ID: 0087.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/07/2019 17:00

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 07:37

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1.0	U	1.0	0.40

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1

SDG No.:

Client Sample ID: EB 05082019 Lab Sample ID: 480-153202-11

Matrix: Water Lab File ID: 0088.d

Analysis Method: 300.0-1993 R2.1 Date Collected: 05/08/2019 13:30

Extraction Method: Date Extracted:

Sample wt/vol: 5(mL) Date Analyzed: 05/24/2019 07:49

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 25(uL) GC Column: Dionex AS18 ID: 4(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571693 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	1.0	U	1.0	0.40

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: June 17, 2019

SDG : 480-153202-2

Laboratory: Eurofins Test America, Burlington, Vermont

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01 (05072019)	480-153202-1	Water
02	GWI-02 (05072019)	480-153202-2	Water
03	GWI-03 (05072019)	480-153202-3	Water
03MS	GWI-03 (05072019)MS	480-153202-3MS	Water
03MSD	GWI-03 (05072019)MSD	480-153202-3MSD	Water
04	GWI-04 (05072019)	480-153202-4	Water
05	GWI-05 (05082019)	480-153202-5	Water
06	GWI-06 (05072019)	480-153202-6	Water
07	DUP (05072019)	480-153202-7	Water
08	FB (05072019)	480-153202-8	Water
09	EB (05072019)	480-153202-9	Water
11	EB (05082019)	480-153202-11	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-03 (05022019) exhibited acceptable percent recoveries (%R) and RPD values except for the following.

MS/MSD Sample	Compound	MS %R/MSD %R/RPD	Qualifier
GWI-03	M2-6:2 FTS	154%/154%/OK	None - Sample ND
	PFBS	OK/OK/24	None for RPD Alone

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks were free of contamination.

Equipment Blank/Field Blank (EB/FB) - Equipment blank samples EB (05072019) and EB (05082019) and field blank sample FB (05072019) were free of contamination.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries except for the following.

EDS Sample	Surrogate	%R	Qualifier
01	13C4-PFBA	189%	J
	13C3-PFBS	185%	None - Sample ND
	18O2-PFHxS	164%	
	M2-6:2 FTS	158%	
02	13C4-PFBA	175%	J
	13C3-PFBS	182%	None - Sample ND
	18O2-PFHxS	154%	
03	13C4-PFBA	161%	None - Sample ND
	13C3-PFBS	193%	
	18O2-PFHxS	152%	
	M2-6:2 FTS	169%	J - Associated Compound
04	13C4-PFBA	185%	None - Sample ND
	13C3-PFBS	181%	
	18O2-PFHxS	157%	
	M2-6:2 FTS	157%	
	D3-NMeFOSAA	49%	UJ - Associated Compound
06	13C4-PFBA	181%	J - Associated Compound
	13C3-PFBS	208%	None - Sample ND
07	13C4-PFBA	192%	J - Associated Compound
	13C3-PFBS	209%	None - Sample ND
08	13C3-PFBS	170%	None - Sample ND
09	13C3-PFBS	199%	None - Sample ND
	18O2-PFHxS	153%	

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited an acceptable RPD value for PFBA.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: GWI - 01 (05072019) Lab Sample ID: 480-153202-1

Matrix: Water Lab File ID: PF060419B47.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 18:10

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 273.5(mL) Date Analyzed: 06/05/2019 13:30

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.2	U	18	4.2
39108-34-4	8:2 FTS	2.7	U	18	2.7
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	18	1.6
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.45	U	1.8	0.45
375-22-4	Perfluorobutanoic acid (PFBA)	1.4	~~U~~ J	1.8	0.91
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.82	U	1.8	0.82
335-76-2	Perfluorodecanoic acid (PFDA)	0.70	U	1.8	0.70
307-55-1	Perfluorododecanoic acid (PFDoA)	0.54	U	1.8	0.54
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.87	U	1.8	0.87
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.83	U	1.8	0.83
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.73	U	1.8	0.73
307-24-4	Perfluorohexanoic acid (PFHxA)	0.69	U	1.8	0.69
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	1.8	0.25
72629-94-8	Perfluoro-n-tridecanoic acid	0.55	U	1.8	0.55
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.59	U	1.8	0.59
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.56	U	1.8	0.56
335-67-1	Perfluorooctanoic acid (PFOA)	0.58	U	1.8	0.58
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.58	U	1.8	0.58
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.84	U	1.8	0.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.48	U	1.8	0.48

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2

Matrix: Water Lab File ID: PF060419B48.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 15:15

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 301.1(mL) Date Analyzed: 06/05/2019 13:46

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	3.8	U	17	3.8
39108-34-4	8:2 FTS	2.4	U	17	2.4
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.2	U	17	1.2
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.4	U	17	1.4
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.41	U	1.7	0.41
375-22-4	Perfluorobutanoic acid (PFBA)	1.4	~~J~~ J	1.7	0.83
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.75	U	1.7	0.75
335-76-2	Perfluorodecanoic acid (PFDA)	0.64	U	1.7	0.64
307-55-1	Perfluorododecanoic acid (PFDoA)	0.49	U	1.7	0.49
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.79	U	1.7	0.79
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.76	U	1.7	0.76
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.66	U	1.7	0.66
307-24-4	Perfluorohexanoic acid (PFHxA)	0.63	U	1.7	0.63
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	1.7	0.22
72629-94-8	Perfluoro-n-tridecanoic acid	0.50	U	1.7	0.50
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.53	U	1.7	0.53
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.51	U	1.7	0.51
335-67-1	Perfluorooctanoic acid (PFOA)	0.52	U	1.7	0.52
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.52	U	1.7	0.52
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.76	U	1.7	0.76
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.44	U	1.7	0.44

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: GWI - 03 (05072019) Lab Sample ID: 480-153202-3

Matrix: Water Lab File ID: PF060419B49.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 09:45

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 286.1(mL) Date Analyzed: 06/05/2019 14:02

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	41	J	17	4.0
39108-34-4	8:2 FTS	2.5	U	17	2.5
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.3	U	17	1.3
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	U	17	1.5
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.43	U P2	1.7	0.43
375-22-4	Perfluorobutanoic acid (PFBA)	0.87	U	1.7	0.87
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.79	U	1.7	0.79
335-76-2	Perfluorodecanoic acid (PFDA)	0.67	U	1.7	0.67
307-55-1	Perfluorododecanoic acid (PFDoA)	0.52	U	1.7	0.52
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.83	U	1.7	0.83
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.4	J	1.7	0.80
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.70	U	1.7	0.70
307-24-4	Perfluorohexanoic acid (PFHxA)	2.1		1.7	0.66
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	1.7	0.24
72629-94-8	Perfluoro-n-tridecanoic acid	0.52	U	1.7	0.52
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.56	U	1.7	0.56
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.58	J	1.7	0.53
335-67-1	Perfluorooctanoic acid (PFOA)	38		1.7	0.55
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.55	U	1.7	0.55
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.80	U	1.7	0.80
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.46	U	1.7	0.46

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: GWI - 04 (05072019) Lab Sample ID: 480-153202-4

Matrix: Water Lab File ID: PF060419B52.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:15

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 287.3(mL) Date Analyzed: 06/05/2019 14:49

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.0	U	17	4.0
39108-34-4	8:2 FTS	2.5	U	17	2.5
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.3	U	17	1.3
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	~~U~~ UJ	17	1.5
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.43	U	1.7	0.43
375-22-4	Perfluorobutanoic acid (PFBA)	0.87	U	1.7	0.87
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.78	U	1.7	0.78
335-76-2	Perfluorodecanoic acid (PFDA)	0.67	U	1.7	0.67
307-55-1	Perfluorododecanoic acid (PFDoA)	0.51	U	1.7	0.51
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.83	U	1.7	0.83
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.79	U	1.7	0.79
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.70	U	1.7	0.70
307-24-4	Perfluorohexanoic acid (PFHxA)	0.66	U	1.7	0.66
375-95-1	Perfluorononanoic acid (PFNA)	0.23	U	1.7	0.23
72629-94-8	Perfluoro-n-tridecanoic acid	0.52	U	1.7	0.52
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.56	U	1.7	0.56
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.53	U	1.7	0.53
335-67-1	Perfluorooctanoic acid (PFOA)	1.6	J	1.7	0.55
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.55	U	1.7	0.55
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.80	U	1.7	0.80
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.46	U	1.7	0.46

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FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: GWI - 05 (05082019) Lab Sample ID: 480-153202-5

Matrix: Water Lab File ID: PF053019B11.d

Analysis Method: 537 (modified) Date Collected: 05/08/2019 10:35

Extraction Method: 3535 Date Extracted: 05/20/2019 11:17

Sample wt/vol: 282.3(mL) Date Analyzed: 05/30/2019 15:25

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143596 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.1	U	18	4.1
39108-34-4	8:2 FTS	2.6	U	18	2.6
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.3	U	18	1.3
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	U	18	1.5
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.43	U	1.8	0.43
375-22-4	Perfluorobutanoic acid (PFBA)	0.89	U	1.8	0.89
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.80	U	1.8	0.80
335-76-2	Perfluorodecanoic acid (PFDA)	0.68	U	1.8	0.68
307-55-1	Perfluorododecanoic acid (PFDoA)	0.52	U	1.8	0.52
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.84	U	1.8	0.84
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.81	U	1.8	0.81
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.71	U	1.8	0.71
307-24-4	Perfluorohexanoic acid (PFHxA)	0.67	U	1.8	0.67
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	1.8	0.24
72629-94-8	Perfluoro-n-tridecanoic acid	0.53	U	1.8	0.53
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.57	U	1.8	0.57
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.54	U	1.8	0.54
335-67-1	Perfluorooctanoic acid (PFOA)	8.4		1.8	0.56
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.56	U	1.8	0.56
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.81	U	1.8	0.81
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.47	U	1.8	0.47

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FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: GWI - 06 (05072019) Lab Sample ID: 480-153202-6

Matrix: Water Lab File ID: PF060419B53.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 15:10

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 272.4(mL) Date Analyzed: 06/05/2019 15:05

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.2	U	18	4.2
39108-34-4	8:2 FTS	2.7	U	18	2.7
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	18	1.6
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.45	U	1.8	0.45
375-22-4	Perfluorobutanoic acid (PFBA)	2.0	J	1.8	0.92
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.83	U	1.8	0.83
335-76-2	Perfluorodecanoic acid (PFDA)	0.71	U	1.8	0.71
307-55-1	Perfluorododecanoic acid (PFDoA)	0.54	U	1.8	0.54
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.87	U	1.8	0.87
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.84	U	1.8	0.84
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.73	U	1.8	0.73
307-24-4	Perfluorohexanoic acid (PFHxA)	0.70	U	1.8	0.70
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	1.8	0.25
72629-94-8	Perfluoro-n-tridecanoic acid	0.55	U	1.8	0.55
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.59	U	1.8	0.59
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.56	U	1.8	0.56
335-67-1	Perfluorooctanoic acid (PFOA)	0.58	U	1.8	0.58
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.60	J	1.8	0.58
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.84	U	1.8	0.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.49	U	1.8	0.49

7

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7

Matrix: Water Lab File ID: PF060419B54.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 00:00

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 274.8(mL) Date Analyzed: 06/05/2019 15:21

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.2	U	18	4.2
39108-34-4	8:2 FTS	2.6	U	18	2.6
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	U	18	1.5
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.45	U	1.8	0.45
375-22-4	Perfluorobutanoic acid (PFBA)	1.3	~~J~~ J	1.8	0.91
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.82	U	1.8	0.82
335-76-2	Perfluorodecanoic acid (PFDA)	0.70	U	1.8	0.70
307-55-1	Perfluorododecanoic acid (PFDoA)	0.54	U	1.8	0.54
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.86	U	1.8	0.86
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.83	U	1.8	0.83
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.73	U	1.8	0.73
307-24-4	Perfluorohexanoic acid (PFHxA)	0.69	U	1.8	0.69
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	1.8	0.25
72629-94-8	Perfluoro-n-tridecanoic acid	0.55	U	1.8	0.55
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.58	U	1.8	0.58
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.55	U	1.8	0.55
335-67-1	Perfluorooctanoic acid (PFOA)	0.57	U	1.8	0.57
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.57	U	1.8	0.57
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.84	U	1.8	0.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.48	U	1.8	0.48

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: FB 05072019 Lab Sample ID: 480-153202-8

Matrix: Water Lab File ID: PF060419B55.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 07:30

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 312.3(mL) Date Analyzed: 06/05/2019 15:37

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	3.7	U	16	3.7
39108-34-4	8:2 FTS	2.3	U	16	2.3
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.2	U	16	1.2
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.4	U	16	1.4
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.39	U	1.6	0.39
375-22-4	Perfluorobutanoic acid (PFBA)	0.80	U	1.6	0.80
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.72	U	1.6	0.72
335-76-2	Perfluorodecanoic acid (PFDA)	0.62	U	1.6	0.62
307-55-1	Perfluorododecanoic acid (PFDoA)	0.47	U	1.6	0.47
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.76	U	1.6	0.76
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.73	U	1.6	0.73
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.64	U	1.6	0.64
307-24-4	Perfluorohexanoic acid (PFHxA)	0.61	U	1.6	0.61
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	1.6	0.22
72629-94-8	Perfluoro-n-tridecanoic acid	0.48	U	1.6	0.48
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.51	U	1.6	0.51
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.49	U	1.6	0.49
335-67-1	Perfluorooctanoic acid (PFOA)	0.50	U	1.6	0.50
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.50	U	1.6	0.50
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.74	U	1.6	0.74
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.42	U	1.6	0.42

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: EB 05072019 Lab Sample ID: 480-153202-9

Matrix: Water Lab File ID: PF060419B56.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:00

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 274(mL) Date Analyzed: 06/05/2019 15:53

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143753 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.2	U	18	4.2
39108-34-4	8:2 FTS	2.6	U	18	2.6
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.6	U	18	1.6
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.45	U	1.8	0.45
375-22-4	Perfluorobutanoic acid (PFBA)	0.91	U	1.8	0.91
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.82	U	1.8	0.82
335-76-2	Perfluorodecanoic acid (PFDA)	0.70	U	1.8	0.70
307-55-1	Perfluorododecanoic acid (PFDoA)	0.54	U	1.8	0.54
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.87	U	1.8	0.87
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.83	U	1.8	0.83
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.73	U	1.8	0.73
307-24-4	Perfluorohexanoic acid (PFHxA)	0.69	U	1.8	0.69
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	1.8	0.25
72629-94-8	Perfluoro-n-tridecanoic acid	0.55	U	1.8	0.55
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.58	U	1.8	0.58
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.56	U	1.8	0.56
335-67-1	Perfluorooctanoic acid (PFOA)	0.57	U	1.8	0.57
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.57	U	1.8	0.57
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.84	U	1.8	0.84
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.48	U	1.8	0.48

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

11

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2

SDG No.:

Client Sample ID: EB 05082019 Lab Sample ID: 480-153202-11

Matrix: Water Lab File ID: PF053019B12.d

Analysis Method: 537 (modified) Date Collected: 05/08/2019 13:30

Extraction Method: 3535 Date Extracted: 05/20/2019 11:17

Sample wt/vol: 275.8(mL) Date Analyzed: 05/30/2019 15:41

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 143596 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
27619-97-2	6:2 FTS	4.2	U	18	4.2
39108-34-4	8:2 FTS	2.6	U	18	2.6
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.5	U	18	1.5
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.44	U	1.8	0.44
375-22-4	Perfluorobutanoic acid (PFBA)	0.91	U	1.8	0.91
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.82	U	1.8	0.82
335-76-2	Perfluorodecanoic acid (PFDA)	0.70	U	1.8	0.70
307-55-1	Perfluorododecanoic acid (PFDoA)	0.53	U	1.8	0.53
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.86	U	1.8	0.86
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.82	U	1.8	0.82
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.73	U	1.8	0.73
307-24-4	Perfluorohexanoic acid (PFHxA)	0.69	U	1.8	0.69
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	1.8	0.24
72629-94-8	Perfluoro-n-tridecanoic acid	0.54	U	1.8	0.54
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.58	U	1.8	0.58
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.55	U	1.8	0.55
335-67-1	Perfluorooctanoic acid (PFOA)	0.57	U	1.8	0.57
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.57	U	1.8	0.57
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.83	U	1.8	0.83
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.48	U	1.8	0.48

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: July 19, 2019

SDG : 480-153202-3

Laboratory: Eurofins Test America, Burlington, Vermont

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWI-01 (05072019)	480-153202-1	Water
02	GWI-02 (05072019)	480-153202-2	Water
03	GWI-03 (05072019)	480-153202-3	Water
03MS	GWI-03 (05072019)MS	480-153202-3MS	Water
03MSD	GWI-03 (05072019)MSD	480-153202-3MSD	Water
04	GWI-04 (05072019)	480-153202-4	Water
05	GWI-05 (05082019)	480-153202-5	Water
06	GWI-06 (05072019)	480-153202-6	Water
07	DUP (05072019)	480-153202-7	Water
08	FB (05072019)	480-153202-8	Water
09	EB (05072019)	480-153202-9	Water
11	EB (05082019)	480-153202-11	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

PERFLUORINATED COMPOUNDS (PFCs) (GenX)

USEPA Method 537 Modified

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All samples were reextracted outside of the holding time due to method blank contamination. Use the original results for reporting purposes.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample GWI-03 (05072019) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
MB 200-143174/1-B	HFPO-DA (GenX)	0.822	None	All Associated ND

Equipment Blank/Field Blank (EB/FB) - The equipment blank samples EB (05072019) and EB (05082019) and the field blank sample FB (05072019) were free of contamination.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and/or correlation coefficients.

Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries.

Internal Standards - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable precision.

Sample Analysis - All criteria were met.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 01 (05072019) Lab Sample ID: 480-153202-1

Matrix: Water Lab File ID: PF061819A20.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 18:10

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 273.5(mL) Date Analyzed: 06/18/2019 18:01

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.62	U	3.7	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	118		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

IRE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 01 (05072019) RE Lab Sample ID: 480-153202-1 RE

Matrix: Water Lab File ID: PF061819A38.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 18:10

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 268.3(mL) Date Analyzed: 06/18/2019 22:47

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.63	~~U H~~ UJ	3.7	0.63

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	88		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2

Matrix: Water Lab File ID: PF061819A21.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 15:15

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 301.1(mL) Date Analyzed: 06/18/2019 18:17

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.56	U	3.3	0.56

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	121		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

2RE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 02 (05072019) RE Lab Sample ID: 480-153202-2 RE

Matrix: Water Lab File ID: PF061819A39.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 15:15

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 284.6(mL) Date Analyzed: 06/18/2019 23:03

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup: (Y/N) N

Analysis Batch No.: 144181 Units: ng/L

Use 819.no L results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.60	~~U~~ J	3.5	0.60

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	82		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 03 (05072019) Lab Sample ID: 480-153202-3

Matrix: Water Lab File ID: PF061819A22.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 09:45

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 286.1(mL) Date Analyzed: 06/18/2019 18:33

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.59	U	3.5	0.59

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	117		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

3RE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 03 (05072019) RE Lab Sample ID: 480-153202-3 RE

Matrix: Water Lab File ID: PF061819A40.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 09:45

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 286.2(mL) Date Analyzed: 06/18/2019 23:19

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup: (Y/N) N

Analysis Batch No.: 144181 Units: ng/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.59	~~U H~~ UJ	3.5	0.59

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	66		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 04 (05072019) Lab Sample ID: 480-153202-4

Matrix: Water Lab File ID: PF061819A25.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:15

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 287.3(mL) Date Analyzed: 06/18/2019 19:21

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.59	U	3.5	0.59

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	112		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

4RE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 04 (05072019) RE Lab Sample ID: 480-153202-4 RE

Matrix: Water Lab File ID: PF061819A43.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:15

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 281.1(mL) Date Analyzed: 06/19/2019 00:07

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.60	~~U H~~ UJ	3.6	0.60

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	75		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 05 (05082019) Lab Sample ID: 480-153202-5

Matrix: Water Lab File ID: PF061819A32.d

Analysis Method: 537 (modified) Date Collected: 05/08/2019 10:35

Extraction Method: 3535 Date Extracted: 05/20/2019 11:17

Sample wt/vol: 282.3(mL) Date Analyzed: 06/18/2019 21:12

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.60	U	3.5	0.60

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	88		25-150

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

5RE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 05 (05082019) RE Lab Sample ID: 480-153202-5 RE

Matrix: Water Lab File ID: PF061819A44.d

Analysis Method: 537 (modified) Date Collected: 05/08/2019 10:35 use original results

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 278.1(mL) Date Analyzed: 06/19/2019 00:23

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.61	~~H~~ UJ	3.6	0.61

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	77		25-150

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6

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 06 (05072019) Lab Sample ID: 480-153202-6

Matrix: Water Lab File ID: PF061819A26.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 15:10

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 272.4(mL) Date Analyzed: 06/18/2019 19:37

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.62	U	3.7	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	110		25-150

6RE

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 06 (05072019) RE Lab Sample ID: 480-153202-6 RE

Matrix: Water Lab File ID: PF061819A45.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 15:10

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 278.7(mL) Date Analyzed: 06/19/2019 00:39

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

Use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.61	~~U~~ HJ	3.6	0.61

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	76		25-150

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3
SDG No.:
Client Sample ID: DUP 05072019 Lab Sample ID: 480-153202-7
Matrix: Water Lab File ID: PF061819A27.d
Analysis Method: 537 (modified) Date Collected: 05/07/2019 00:00
Extraction Method: 3535 Date Extracted: 05/20/2019 07:37
Sample wt/vol: 274.8(mL) Date Analyzed: 06/18/2019 19:53
Con. Extract Vol.: 0.5(mL) Dilution Factor: 1
Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.62	U	3.6	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	135		25-150

7RE

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: DUP 05072019 RE Lab Sample ID: 480-153202-7 RE

Matrix: Water Lab File ID: PF061819A46.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 00:00

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 274.3(mL) Date Analyzed: 06/19/2019 00:55

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.62	~~U H~~ UJ	3.6	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	66		25-150

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8

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: FB 05072019 Lab Sample ID: 480-153202-8

Matrix: Water Lab File ID: PF061819A28.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 07:30

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 312.3(mL) Date Analyzed: 06/18/2019 20:08

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.54	U	3.2	0.54

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	106		25-150

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8RE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: FB 05072019 RE Lab Sample ID: 480-153202-8 RE

Matrix: Water Lab File ID: PF061819A47.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 07:30

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 307.6(mL) Date Analyzed: 06/19/2019 01:11

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

Use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.55	~~B H~~ HJ	3.3	0.55

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	82		25-150

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9

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: EB 05072019 Lab Sample ID: 480-153202-9

Matrix: Water Lab File ID: PF061819A29.d

Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:00

Extraction Method: 3535 Date Extracted: 05/20/2019 07:37

Sample wt/vol: 274(mL) Date Analyzed: 06/18/2019 20:24

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.62	U	3.6	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	103		25-150

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QRE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3
SDG No.:
Client Sample ID: EB 05072019 RE Lab Sample ID: 480-153202-9 RE
Matrix: Water Lab File ID: PF061819A48.d
Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:00
Extraction Method: 3535 Date Extracted: 06/17/2019 11:01
Sample wt/vol: 313.3(mL) Date Analyzed: 06/19/2019 01:26
Con. Extract Vol.: 0.5(mL) Dilution Factor: 1
Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 144181 Units: ng/L

use original results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.54	~~U H~~ uJ	3.2	0.54

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	64		25-150

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17

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: EB 05082019 Lab Sample ID: 480-153202-11

Matrix: Water Lab File ID: PF061819A33.d

Analysis Method: 537 (modified) Date Collected: 05/08/2019 13:30

Extraction Method: 3535 Date Extracted: 05/20/2019 11:17

Sample wt/vol: 275.8(mL) Date Analyzed: 06/18/2019 21:28

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.62	U	3.6	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	78		25-150

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LCMS ORGANICS ANALYSIS DATA SHEET

IIRE

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: EB 05082019 RE Lab Sample ID: 480-153202-11 RE

Matrix: Water Lab File ID: PF061819A49.d

Analysis Method: 537 (modified) Date Collected: 05/08/2019 13:30

Extraction Method: 3535 Date Extracted: 06/17/2019 11:01

Sample wt/vol: 264.9(mL) Date Analyzed: 06/19/2019 01:42

Con. Extract Vol.: 0.5(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 144181 Units: ng/L

use orig. val results

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.71	~~J H~~ J	3.8	0.64

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	72		25-150