Attachment 3 Data Usability Summary Reports (DUSRs)



DATA USABILITY SUMMARY REPORT (DUSR)

Site:	Arnold & Porter, Hoosick, New York	Date: <u>January 5, 2019</u>
		-5 , , -

SDG: <u>680-158544-1</u>

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

<u>Initial Calibration (ICAL)</u> - 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%		

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

Field Duplicate - The field duplicate samples were not collected.

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.

<u>Initial Calibration (ICAL)</u> - 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.

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.

<u>Initial Calibration (ICAL)</u> - 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.

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.

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

	Pesticides	s/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.

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

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

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

Field Duplicate - Field duplicate samples were not collected.

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.

<u>Initial Calibration (ICAL)</u> - 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.

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.

<u>Initial and Continuing Calibration (ICV/CCV)</u> - 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.

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.

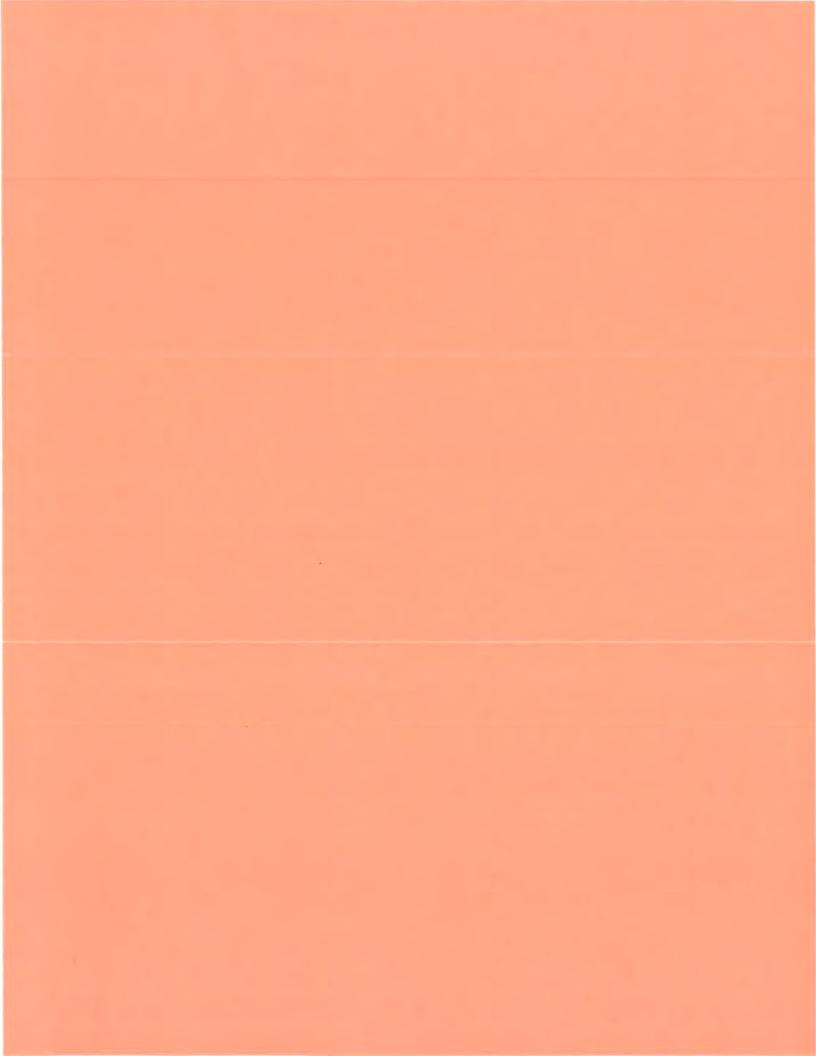
Equipment Blank (EB) - Equipment blank samples were not collected.

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.

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.



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	0.00008
108-86-1	Bromobenzene	0.00050	U	0.00050	0.000093
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.0003
74-83-9	Bromomethane	0.0010	U	0.0010	0.0002
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.0001
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.0001
75-00-3	Chloroethane	0.0010	U	0.0010	0.0002
74-87-3	Chloromethane	0.00050	JUNE W.	0.00050	0.0001
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.0001
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.0001
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.00009
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.00008
74-95-3	Dibromomethane	0.00050	U	0.00050	0.0001
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.0001
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.0001
75-71-8	Dichlorodifluoromethane	0.00050	UTHUT	0.00050	0.0003
75-34-3	1,1-Dichloroethane	0.00050	Ū	0.00050	0.00007
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.00008
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.0001
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.0002
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.00009
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.00009
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

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	JU PAUS	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

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

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	Ū	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	W PAIN	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 7A:17	0.00050	0.00034
75-34-3	1,1-Dichloroethane	0.00050	Ū	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	Ū	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

FORM I 524.2

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

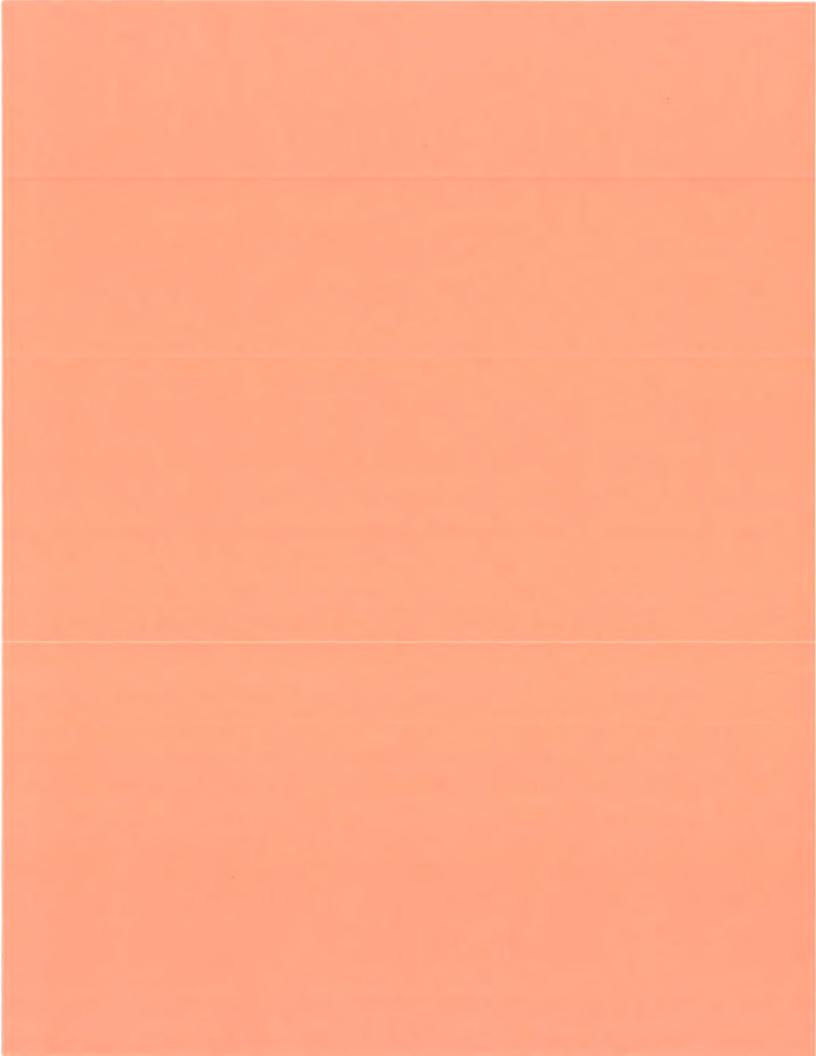
Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% 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 TAUS	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



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

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

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

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 2º	10	6.3

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

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

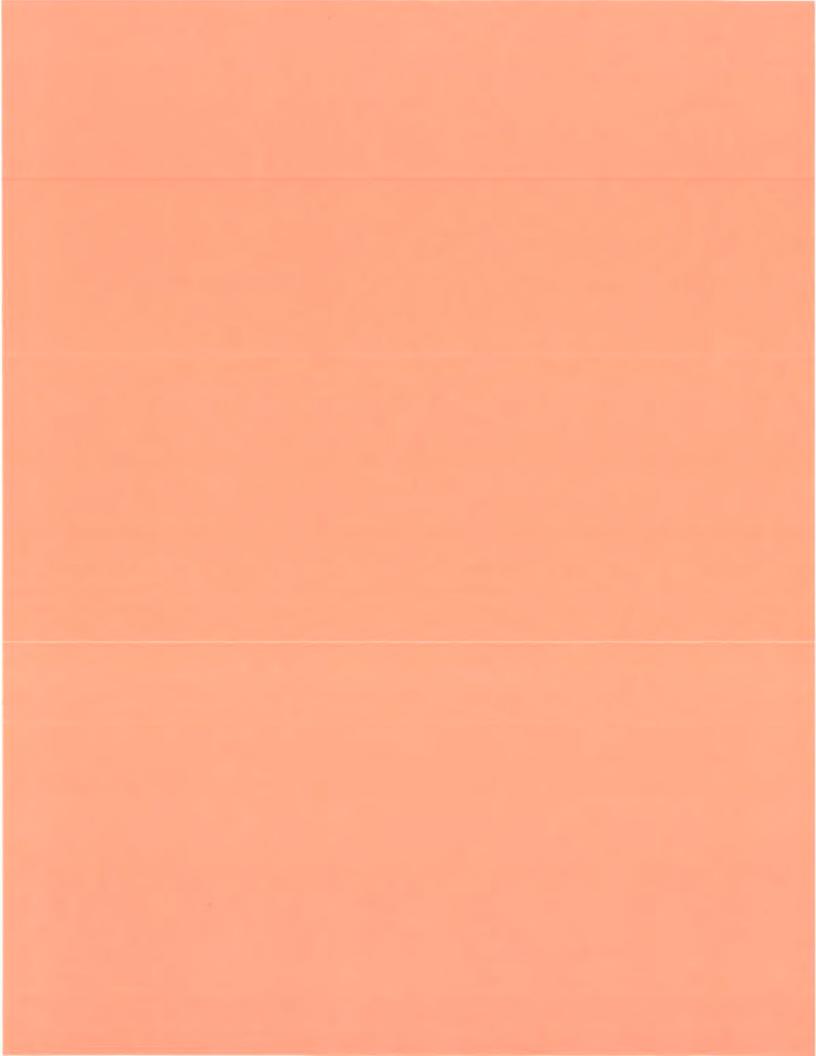
Analysis Batch No.: 542230 Units: ug/L

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

Job No.: 680-158544-1 Lab Name: TestAmerica Savannah 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 Dilution Factor: 1 Con. Extract Vol.: 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



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

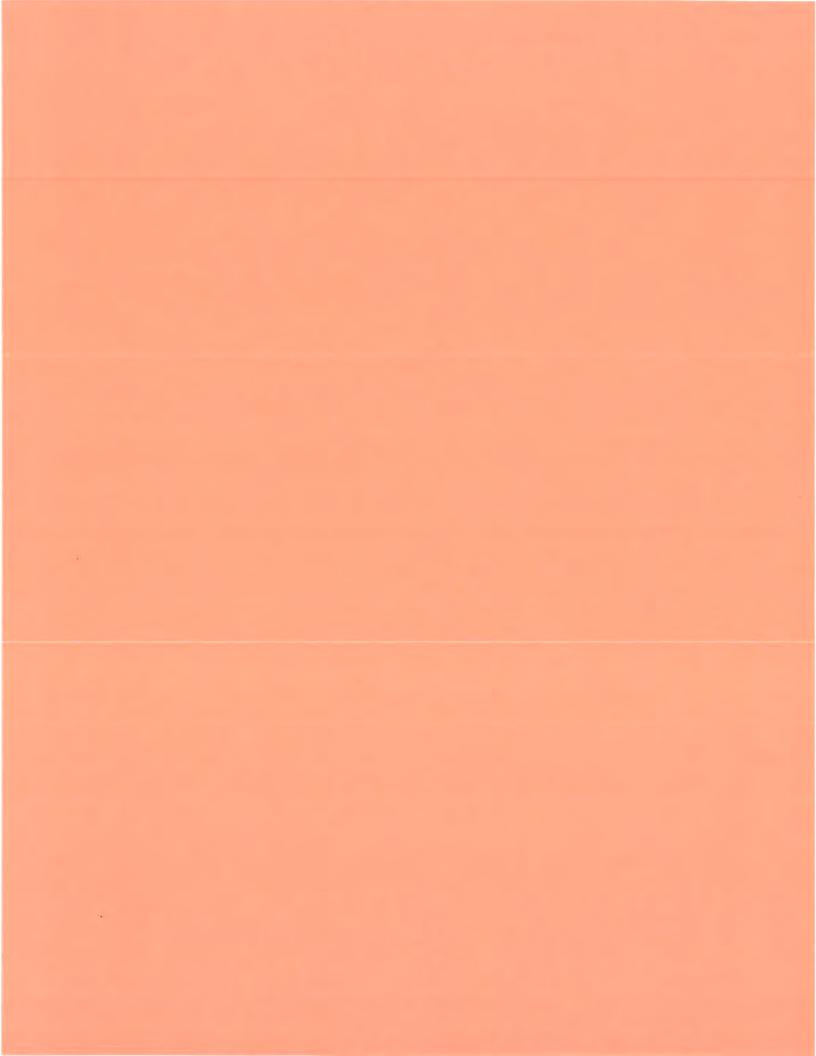
% Moisture: GPC Cleanup:(Y/N) N

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	37C14-2, 3, 7, 8-TCDD	91		35-197



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	TE US	0.000024	0.0000014
12789-03-6	Chlordane (technical)	0.00024	4 47	0.00024	0.0000016
60-57-1	Dieldrin	0.000024	UZUJ	0.000024	0.0000015
72-20-8	Endrin	0.000024	tu t	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	V TUJ	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	DE N2	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	42,	0.000024	0.0000016
72-43-5	Methoxychlor	0.000024	U	0.000024	0.0000075
12674-11-2	PCB-1016	0.00048	Ψ	0.00048	0.000068
11104-28-2	PCB-1221	0.00048	ψ I	0.00048	0.00012
11141-16-5	PCB-1232	0.00048	U.	0.00048	0.000070
53469-21-9	PCB-1242	0.00048	IJ	0.00048	0.000062
12672-29-6	PCB-1248	0.00048	U	0.00048	0.000044
11097-69-1	PCB-1254	0.00048	b l	0.00048	0.000095
11096-82-5	PCB-1260	0.00048	Ф	0.00048	0.000082
1336-36-3	Polychlorinated biphenyls, Total	0.00048	U	0.00048	0.00004
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000056

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: 20100323.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

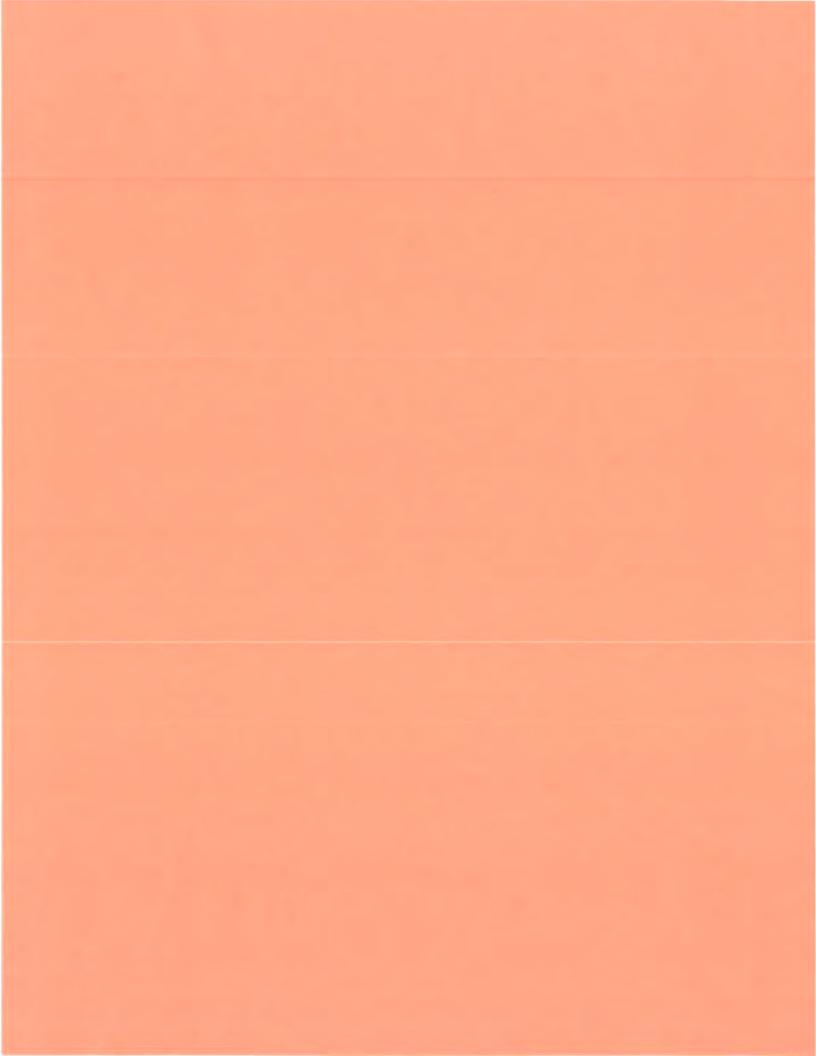
Con. Extract Vol.: 1(mL) Dilution Factor: 1

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



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	D DL 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

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	Ū	0.47	0.080

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

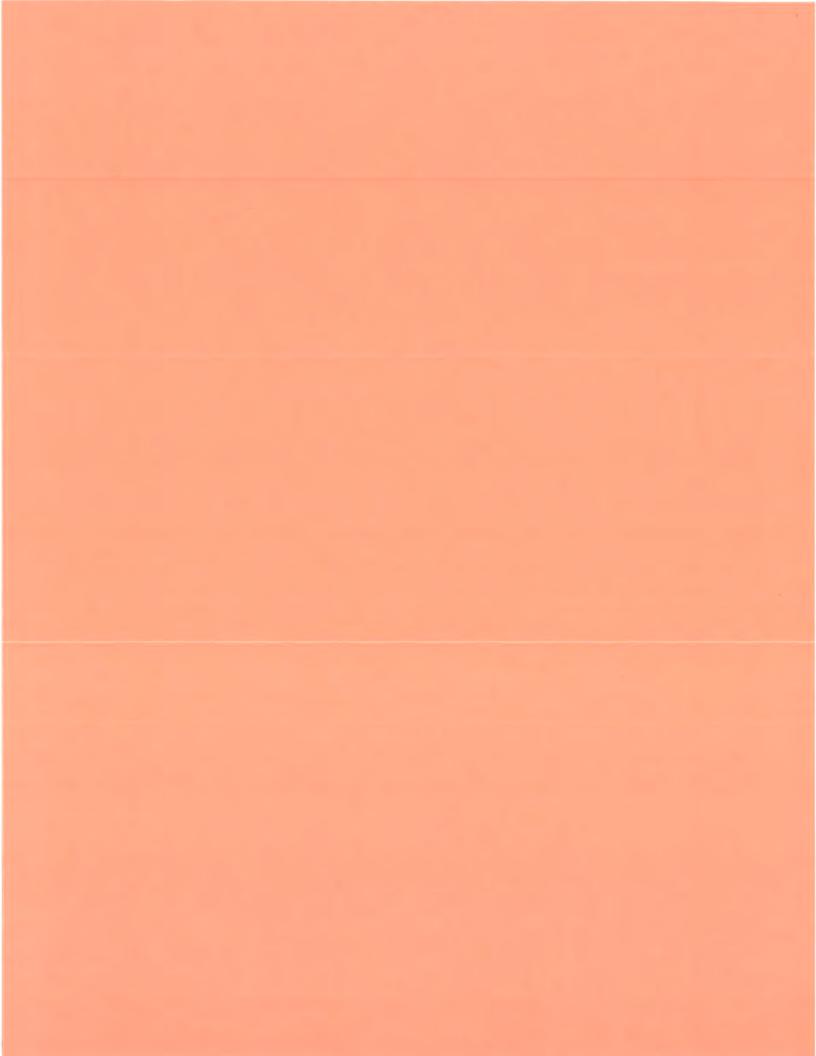
Con. Extract Vol.: 10(mL) Dilution Factor: 1

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 PL	2.0	0.40



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

Reporting Basis: WET

Matrix: Water

Date Sampled: 09/26/2018 12:25

Date Received: 09/28/2018 14:29

CAS No.	Analyte	Result	RL	MDL	Units	С	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	245.1-19 94 R3.0

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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

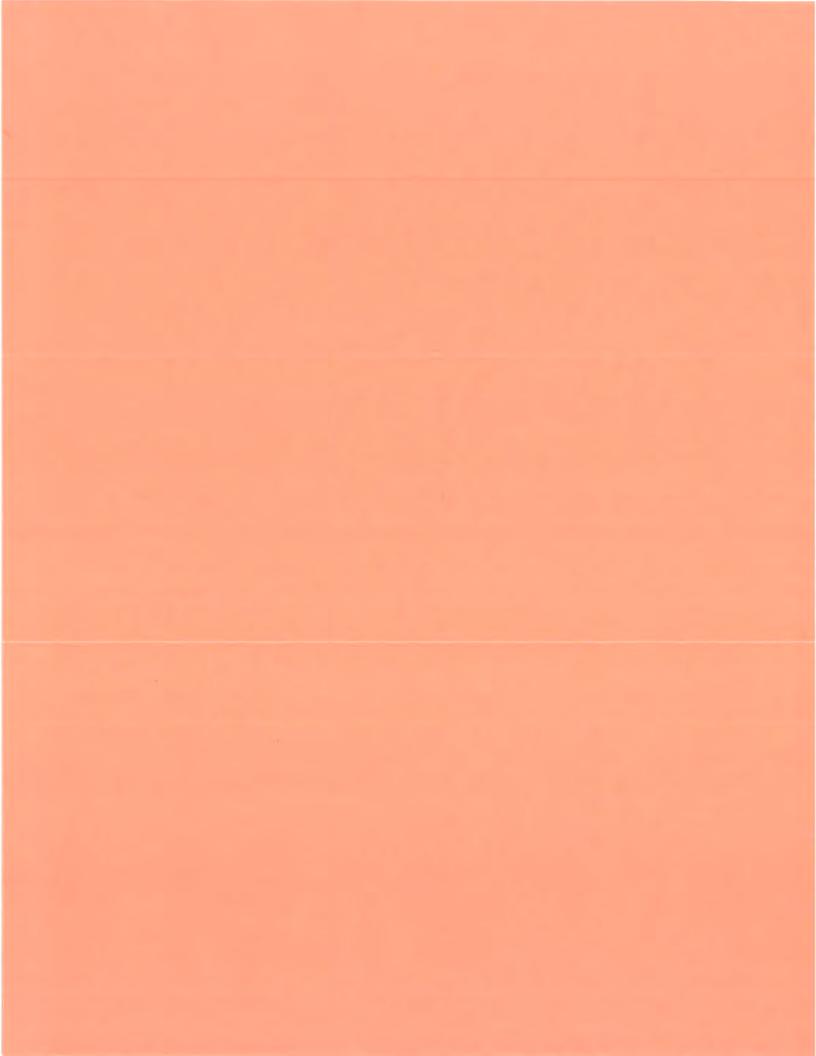
Reporting Basis: WET

Date Received: 09/28/2018 14:29

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

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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	UT 0.050	0.023	
14797-65-0	Nitrite as N	0.050	UHY	0.050	0.023	
STL00673	Nitrite as NO2	0.17	V HT	0.17	0.082	

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	Ū	0.0050	0.0025

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

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

NW 1/5/11



DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York	Date: <u>July 19, 2019</u>
SDG: <u>680-158544-1</u>	

Laboratory: <u>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</u>

EDS	Client	Laboratory	Matrix	
Sample ID	Sample ID	Sample Numbers		
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.

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

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	С	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.		HTP	1	SM 2150B



Sample ID Client / EMSL

WY-LOC-1-0926201

8 (680-158548-1)

041830430-0001

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: Customer ID: Customer PO:

5.40

Project ID:

041830430

STLS77

<5.40

0.00 - 20.00

Attn: John Schove

TestAmerica Laboratories, Inc. 5102 LaRoche Avenue Savannah, GA 31404

Phone: Fax:

(912) 354-7858 (912) 352-0165

Collected:

09/26/2018

Received: Analyzed: 10/09/2018 10/10/2018

ND

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

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

					A	SBESTOS		
Sample Filtration Date/Time	Original Sample Vol. Filtered	Effective Filter Area	Area Analyzed	Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
	(ml)	(mm²)	(mm²)			MFI	(million fibers per	liter)
10/9/2018	216	1387	0.2580	None Detected	ND	5.40	-5.40	

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

12:30 PM

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

Analyst(s) Ted Young (1)

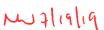
> Benjamin Ellis, Laboratory Manager or Other Approved Signatory

Any questions please contact Benjamin Ellis.

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

Sample collection and containers provided by the client, acceptable bottle blank level is defined as <0.01MFL>10um, ND=None Detected. This report may not be reproduced, except in full, without written permission by EMSL Analytical. Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NYS ELAP 10872, NJ DEP 03036, FL DOH E87975, PA ID# 68-00367



Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 396889

Lab ID: Client ID: Sigma:	MB 160-396889/1	[Analyzed: Detector: Dil Fac:	10/27/18 Blue11 1	13:13	Yield	y Corrected Truncated: oration Type:	No			Ts: Tb:		200 1000	
Analyte	MB Resu	lt Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	Eff	Anly Batch	
Gross Alph			0.44	3 U	pCi/L	3.00	0.811	14	53	0 070	0.053	0 20451	397747	
Gross Beta	0.0418	8 0 484	0 48	34 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	Deca	y Corrected	: No			Ts:	2	200	
Client ID:			Detector:	Blue12		Yield	Truncated:	No			Tb:	1	000	
Sigma:	2	[Oil Fac:	1		Calib	ration Type:	1						
Analyte	LCS Resu			c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ		Anly Batch	
Gross Alph	a 39.8	5 4 23	6 2	!1	pCi/L	3 00	1 53	375	47	1 875	0.047	0 10331	397747	
Lab ID:	LCSB 160-396889	9/3-A	Analyzed:	10/27/18	13:13	Deca	y Corrected	: No			Ts:	2	200	
Client ID:		[.	Detector:	Blue13		Yield	Truncated:	No			Tb:	1	1000	
Sigma:	2	(Oil Fac:	1		Calib	ration Type:	. 1						
Analyte	LCSB Resu		Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff	Anly Batch	F.,
Gross Beta	86.2	8 306	9 1	5	pCi/L	4 00	0.846	3327	300	16.635	0.300	0 42565	397747	1
Lab ID:	680-158544-1		Analyzed:	10/27/18	13:14		y Corrected				Ts:		200	
	GWI-01(09262018	,	Detector:	Blue 17			Truncated:	No			Tb:	1	1000	
Sigma:	2	[Oil Fac:	1		Calib	ration Type:	1						
Analyte	Resu			c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ		Anly Batch	
Gross Alph				3 G	pCi/L	3.00	3.25	32	72	0 160		0 09032	397747	
Gross Beta	2.9	4 1.11	1,1	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			y Corrected	: No			Ts:	2	200	
Client ID:	GWI-01(09262018	•	Detector:	Protean0			Truncated:	No			Tb:	1	1000	
Sigma:	2		Oil Fac:	1		Calit	ration Type:	1						
Analyte	MS Resu			c Qualifler	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ		Anly Batch	
Gross Alph	a 64.1	3 6 93	10	1	pCi/L	3 00	3 40	386	103	1 930	0.103	0.10026	397749	

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TestAmerica St. Louis

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Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 393206

Lab ID: LCS 1 Client ID: Sigma: 2	60-393206/1-4	[,	10/12/18 Orange9 1	12:36	Yie	cay Corrected eld Truncated: ilibration Type	No			Ts: Tb:		00 000	
Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	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 I	imits				
Ba Carrier	0 02050				g		0.0339	60 5	40 -	110				
ab ID: 680-1	58544-1	F	Analyzed:	10/12/18	12:36	De	cay Corrected	l: No			Ts.	1	00	
Client ID GWI-0	01(09262018)	[Detector:	Orange11		Yi€	eld Truncated:	No			Tb:	1	000	1
Sigma: 2			Dil Fac:	1		Ca	llibration Type	: 2			1			
Analyte	Result	Count Unc	Total Unc		Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	Eff	Anly Batch	
Radium-226	0.549	0.428	0.431	-	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 I	imits				
Ba Carrier	0 0322			-	9		0.0339	95.0	40 -	110				
	58544-1 MS		Analyzed:	10/12/18	12:36	De	cay Corrected	f: No			Ts:	1	00	
	01(09262018)-1			Orange12		Yie	eld Truncated:	No			Tb:	1	000	
Sigma: 2			Dil Fac:	1		Ca	llibration Type	: 2						
Analyte	MS Result	Count Unc	Total Unc		Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	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 I	_imits				
Ba Carrier	0 03240				g		0.0339	95 6	40 -	110				
	58544-1 MSD		,	10/12/18		De	cay Corrected	l: No			Ts	1	00	
)1(09262018)-†			Orange 13		Yi€	eld Truncated:	No			Tb	1	000	
Sigma 2			Dil Fac:	1		Ca	libration Type	; 2						
Analyte	MSD Result	Count Unc	Total Unc		Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	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 I	.lmits				
Ba Carrier	0.03220				g		0.0339	95.0	40 -	110				

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Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 393205

Lab ID; Client ID; Sigma;	LCS 160-393205/1-A		Analyzed: Detector: Dil Fac:	10/11/18 Blue0 1	08:54	Yie	ecay Correcte eld Truncated alibration Type	I: No			Ts: Tb:	_	200 1000	
Analyte	LCS Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff	Anly Batch	
Ra-228	19.13	1.03	2.0	4	pCi/L	1 00	0 453	1537	384	7.685		0.44525	394286	
Carrier	LCS Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits				
Ва	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	De	ecav Correcte	d: No			Ts:	2	200	
Client ID:			Detector:	Blue3		Yie	eld Truncated	l: No			Tb:		1000	1
Sigma:	2		Dil Fac:	1		Ca	alibration Type	e: 1						1
Analyte	Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff	Anly Batch	
Ra-228	0.597	0.307	0.31	1	pCi/L	1.00	0.451	121	378	0.605	0.378	0.44607	394286	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits				
Ва	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	De	ecay Correcte	d: No			Ts:	2	200	
Client ID:	GWI-01(09262018)-I	MS	Detector:	Blue4		Yie	eld Truncated	l: No			Tb:		1000	
Sigma:	2		Dil Fac:	1		Ca	alibration Type	e: 1						
Analyte	MS Result	Count Unc		c Qualifier	Unit	RL	MDC	Çs	СЬ	CPMs	СРМЬ	Eff	Anly Batch	
Ra-228	16.34	0.960	1.7	9	pCi/L	1.00	0.407	1283	291	6.415	0.291	0.43152	394286	
Carrler	MS Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Llmits				
Ва	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	De	ecay Correcte	d: No			Ts:	2	200	
Client ID:	GWI-01(09262018)-I	MSD	Detector:	Blue5		Yie	eld Truncated	l: No			Tb:		1000	
Sigma:	2		Dil Fac:	1		Ca	alibration Type	e: 1						
Analyte	MSD Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch	
Ra-228	20.15	1.04	2.1	2	pCi/L	1 00	0 408	1645	324	8.225	0.324	0.44252	394286	
Carrier	MSD Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits				
Carrier										440				
Ba	0.03630				9		0 0339	107	40 -	110				

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TestAmerica St. Louis

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GEL LABORATORIES LLC

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

Certificate of Analysis

Project:

Client ID:

Analyst Comments

TSTA00818

TSTA004

Report Date: October 10, 2018

Company

TestAmerica Buffalo

Address:

10 Hazelwood Dr #106

Amherst, New York 14228

Contact:

Mr. John Schove

Project: Client Sample ID:

Buffalo - Schove

Sample ID:

WY-LOC-1-09262018 (680-158548-1) 460816001

Matrix:

Water

Collect Date: Receive Date: 26-SEP-18 12:25 03-OCT-18

Collector:

Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analys	t Date	Time	Batch	Method
Metals Analysis-	ICP-MS											
200.2/200.8 Uran	ium "As Received"											
Uranium		0,905	0.067	0.200	ug/L	1.00	1	SKJ	10/08/18	1941	1808984	1
The following Pr	ep Methods were pe	erformed:										
Method	Description	1		Analyst	Date		Time	e Pre	p Batch			
EPA 200.2	ICP-MS 200.	2 PREP		JXM8	10/04/18		2106	1808	3983			
The following A	nalytical Methods v	vere performed:										

Method

Description

EPA 200.8

Notes:

Column headers are defined as follows:

DF. Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

(518) 525-5479, 5480

St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

Printed On: 9/27/2018 Page 1 of 2 TestAmerica Buffalo Sample ID: AY14658 10 Hazelwood Drive Date Received: 09/26/2018 Amherst ,NY 14228 Time Received: 15:01 Date Finalized: 9/27/2018 PO Number: Your Ref: Customer: TestAmerica Buffalo Collect Date: 09/26/2018 Collect Time: Owner: WY-LOC-1-09262018 12:25 Sample Loc: WY-LOC-1-09262018 Collected by: Sample Pt: WY-LOC-1-09262018 Receipt Temp 12 C on ice chilling

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:

Water Source:

Chlorinated:

X Exceeds maximum contamination limit

T Temperature outside specifications

P Sample preserved at lab

S(+/-) Lab control sample outside acceptance limits

(+ Result may be biased high / - Result may be biased low)

Field Residual Chlorine.

Duplication outside acceptance limits

A Sample contained air bubble or headspace

Z Analysis is not state-certified

M(+/-) Matrix spike recovery outside acceptance limits

H Hold time exceeded

B Analyte detected in blank

C Incorrect bottle received

Legend: < Less Than, > Greater Than

GW

No

mg/L=PPM, ug/L=PPB

If no collection time was given, 00:00 is reported

No

Potable:

Grab/Comp:

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.

R

Comments:

10 MI Dilution Used.(0 Fecal Coliform Colonies)

1 Ml Dilution Used (0 Fecal Coliform Colonies)

0.1 MI Dilution Used (0 Fecal Coliform Colonies)

10 MI Dilution Used (7 Total Coliform Colonies)

1 MI Dilution Used (2 Total Coliform Colonies)

0.1 MI 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.



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.

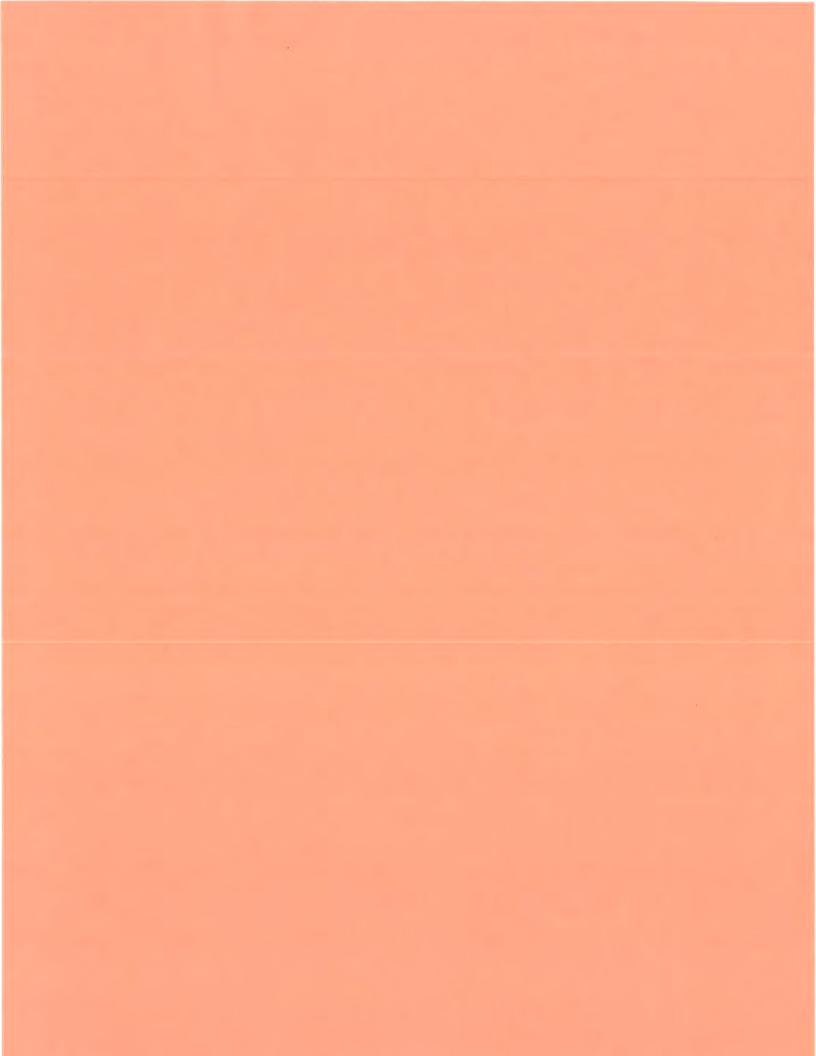
Continuing Calibration (CCV) - The CCVs exhibited acceptable percent difference (%D) values (<40%).

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.

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 File ID: 2018.10.15LLB 020.d

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

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	JBU	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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	2.7	U	17	2.7
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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



DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York	Date: January 5, 2019
SDG: <u>680-158549-1</u>	

Laboratory: <u>Test America, Savannah, Georgia & GEL Laboratories, LLC, Charleston, South</u> 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.

<u>Field Blank/Trip Blank (FB/TB)</u> - 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	

<u>Initial Calibration (ICAL)</u> - 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%		

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

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

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.

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

	Method 52	25.2		
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%	1	

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.

	M	lethod 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.

	Ŋ	fethod 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.

<u>Initial Calibration (ICAL)</u> - 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.

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

<u>Sample Analysis</u> - 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.

<u>Surrogate Spikes</u> - 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.

<u>Initial Calibration (ICAL)</u> - 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.

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

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.

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

	Method	1 508	
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.

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

<u>Continuing Calibration (CCAL)</u> - 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.

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

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.

<u>Surrogate Spikes</u> - 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.

<u>Initial Calibration (ICAL)</u> - 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.

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

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.

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

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

 $\underline{\rm Field\ Duplicate}\ -\ {\rm The\ field\ duplicate}\ samples\ GWI-02 (09272018)\ and\ GWI-DUP (09272018)\ exhibited\ acceptable\ RPD\ values.$

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

<u>Daily Checks</u> - All efficiency and background daily checks were acceptable.

Calibrations - All calibration criteria were met.

<u>Carrier Recovery</u> - All carrier percent recoveries were met.

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

<u>Sample Analysis</u> - 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.

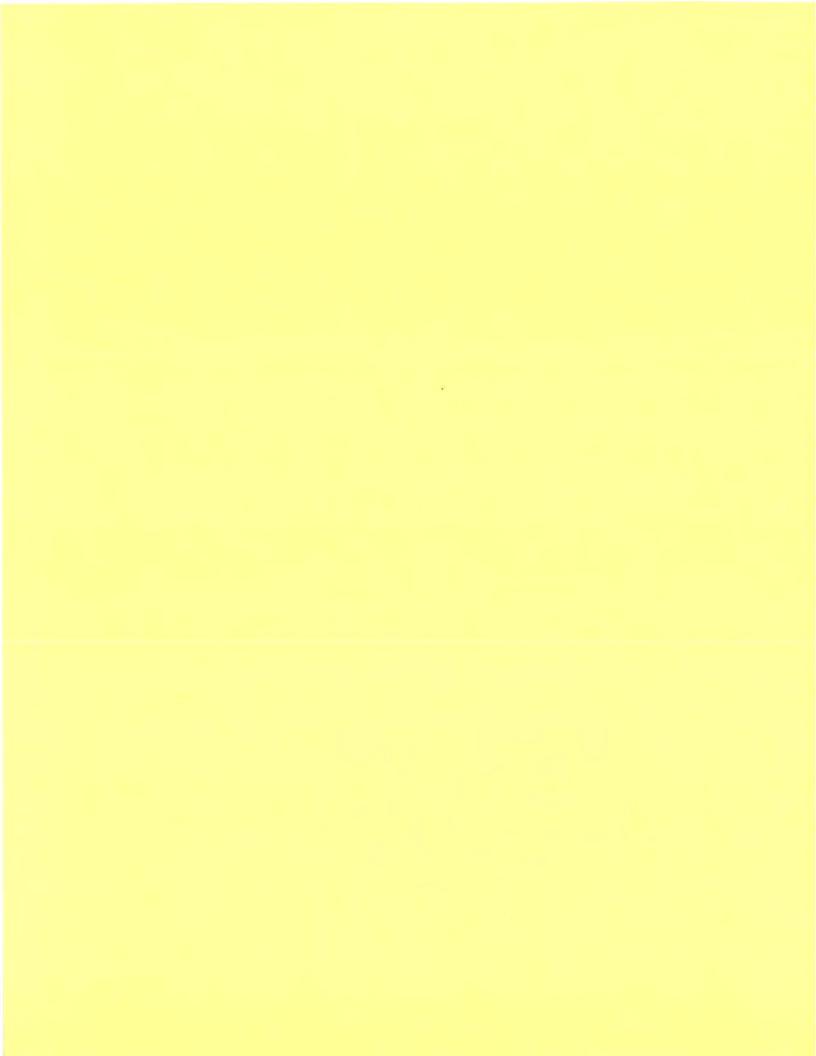
Equipment Blank (EB) - Equipment blank samples were not collected.

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

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

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

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	Ū	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

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	0.000083
74-95-3	Dibromomethane	0.00050	U	0.00050	0.00016
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.0001
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	JY THUS	0.00050	0.0003
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	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
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	0.00009
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.000099
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

FORM I 524.2

NW 1/5/11

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

			r r		
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	0.00050	U	0.00050	0.0001
630-20-6	1,1,1,2-Tetrachloroethane	0.00050	U	0.00050	0.0002
79-34-5	1,1,2,2-Tetrachloroethane	0.00050	U	0.00050	0.0001
127-18-4	Tetrachloroethene	0.00050	U	0.00050	0.00018
108-88-3	Toluene	0.000090	J	0.00050	0.00008
156-60-5	trans-1,2-Dichloroethene	0.00050	U	0.00050	0.00009
10061-02-6	trans-1,3-Dichloropropene	0.00050	U	0.00050	0.0001
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.0001
120-82-1	1,2,4-Trichlorobenzene	0.00050	U	0.00050	0.0001
71-55-6	1,1,1-Trichloroethane	0.00050	U	0.00050	0.0001
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.0001
79-01-6	Trichloroethene	0.00050	U	0.00050	0.0001
75-69-4	Trichlorofluoromethane	0.00050	U	0.00050	0.0002
96-18-4	1,2,3-Trichloropropane	0.00050	B 17	0.00050	0.0001
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.0001
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.0001
75-01-4	Vinyl chloride	0.00050	JU US	0.00050	0.0001
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.00008

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

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

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	Ū	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	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U TH UT	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	Ū	0.00050	0.00009
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	0.00009
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	0.00023
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	0.0001
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

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	W115	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	W U3	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

Lab Name: TestAmerica Savannah

Job No.: 680-158549-1

SDG No.: 680-158549-1

Soil Aliquot Vol:

% Moisture:

Client Sample ID: GWI-DUP(09272018)

Lab Sample ID: 680-158587-3

Matrix: Water

Lab File ID: SJ0819.D

Dilution Factor: 1

Level: (low/med) Low_

Analysis Method: 524.2

Date Collected: 09/27/2018 13:40

Sample wt/vol: 5(mL) Date Analyzed: 10/08/2018 17:17

Soil Extract Vol.:

GC Column: Rtx-624 ID: 0.18 (mm)

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

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 US	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	Ū	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	IJ	0.00050	0.000089

FORM I 524.2

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	BUS	0.00050	0.00017
95-63-6	1,2,4-Trimethylbenzene	0.00050	Ü	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	JU US	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

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	0.000082
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.0003
74-83-9	Bromomethane	0.0010	U	0.0010	0.00030
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.0002
108-90-7	Chlorobenzene	0.00050	Ü	0.00050	0.0001
75-00-3	Chloroethane	0.0010	U	0.0010	0.0002
74-87-3	Chloromethane	0.00050	U	0.00050	0.0002
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.0001
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.0001
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.00009
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.00008
74-95-3	Dibromomethane	0.00050	U	0.00050	0.0001
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.0001
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	Ü	0.00050	0.0001
75-71-8	Dichlorodifluoromethane	0.00050	B. DHI D.Z	0.00050	0.0001
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.00007
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.00007
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.0001
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.0001
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.00002
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.00009
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.0003
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0002
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0001
75-09-2	Methylene Chloride	0.00052	0	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00002
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.0001
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.00008
100-42-5	Styrene Styrene	0.00050	U	0.00050	0.00001

FORM I 524.2

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	JU 115	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	W U.3	0.00050	0.00016
1330-20-7	Xylenes, Total	0.00050	U	0.00050	0.000086
	_1		1		

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

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)

Level: (low/med) Low % Moisture:

Analysis Batch No.: 542651 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.00050	Ū	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	υ	0.00050	0.00013
75-71-8	Dichlorodifluoromethane	0.00050	U THU	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	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.000089

FORM I 524.2

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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

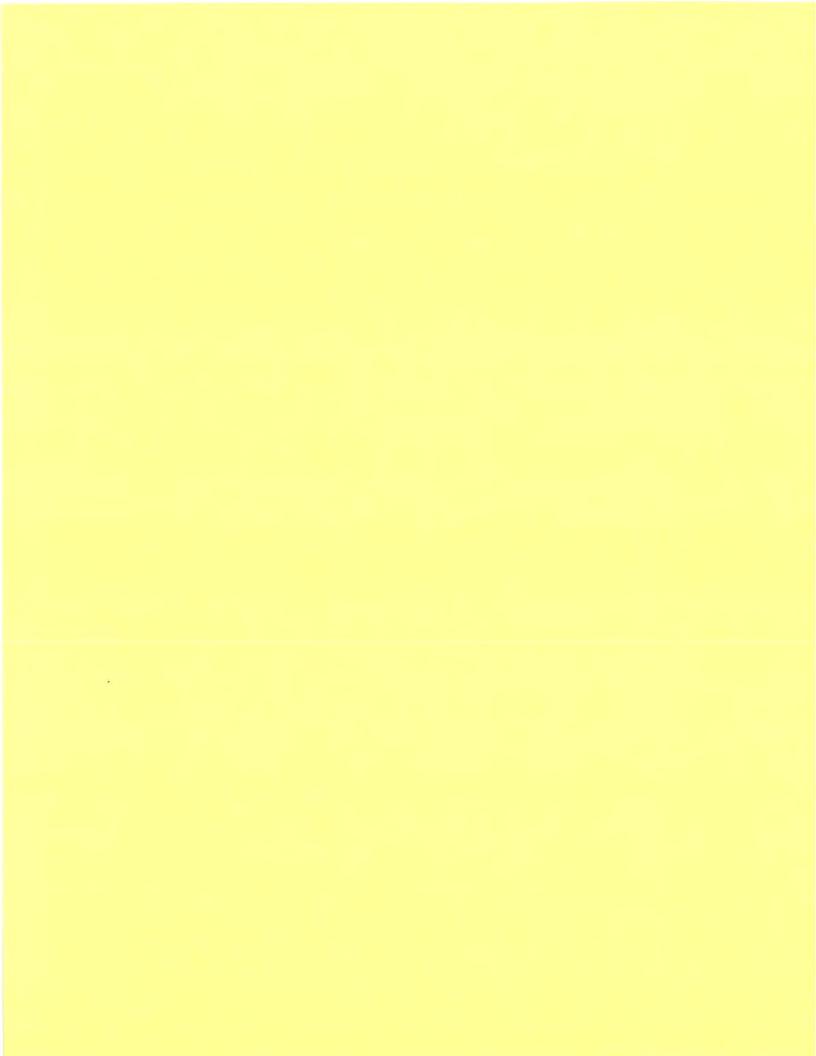
Soil Extract Vol.: GC Column: Rtx-624 ID: 0.18(mm)

% 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	0.0001
87-61-6	1,2,3-Trichlorobenzene	0.00050	U	0.00050	0.0001
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	0.00019
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.0001
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	RUS	0.00050	0.0001
95-63-6	1,2,4-Trimethylbenzene	0.00050	U	0.00050	0.0001
108-67-8	1,3,5-Trimethylbenzene	0.00050	U	0.00050	0.0001
75-01-4	Vinyl chloride	0.00050	IV US	0.00050	0.0001
1330-20-7	Xylenes, Total	0.00010	J	0.00050	0.00008

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



Lab File ID: XH04032.D

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

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

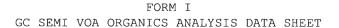
Injection Volume: 2(uL) GC Column: CLP I 0.25 ID: 0.25(mm)

% 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



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 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	101		70-130

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

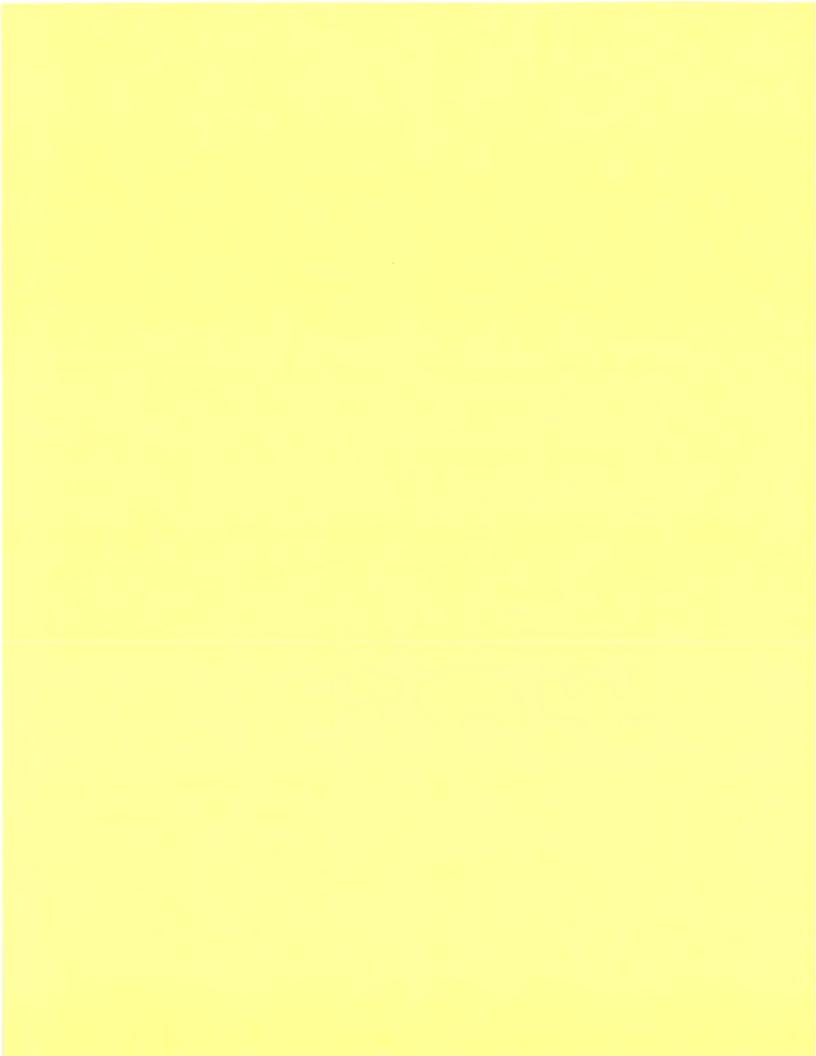
Injection Volume: 2(uL) GC Column: CLP I 0.25 ID: 0.25(mm)

% 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	UTH	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



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	4 03	0.00020	0.000033
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	U J	0.00020	0.00002
117-81-7	Di (2-ethylhexyl)phthalate	.0020 0.00072	J WS	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	U 115	0.00020	0.00004
77-47-4	Hexachlorocyclopentadiene	0.0020	U	0.0020	0.00004
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	0.00002
122-34-9	Simazine	0.00049	U	0.00049	0.00003

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

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	EU B	0.49	0.032
103-23-1	Di(2-ethylhexyl)adipate	0.83	8 3	1.5	0.59

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/I/

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	W V3	0.00020	0.000033
1912-24-9	Atrazine	0.00020	Ų į	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	Ü	0.0020	0.000041
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	Ø	0.00020	0.000022
1918-16-7	Propachlor	0.00020	Ū	0.00020	0.000025
122-34-9	Simazine	0.00049	Ü 🎍	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	TŁ	70-130
115-86-6	Triphenylphosphate	134	TH	70-130

Lab Name: TestAmerica Savannah

Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-02(09272018) RE

Lab File ID: Yj1225.D

Matrix: Water

Water

Lab Sample ID: 680-158587-1/RE

Analysis Method: 525.2

.

Date Collected: 09/27/2018 13:35

23:05

Extract. Method: 525.2

Sample wt/vol: 1012.2(mL)

Date Extracted: 10/11/2018 07:45

Con. Extract Vol.: 1(mL)

Date Analyzed: 10/12/2018
Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture:

CDC CI - AVAIL N

GPC Cleanup: (Y/N) N

Analysis Batch No.: 543121

Units: ug/L

CAS NO.	COMPOUND NAME		RESULT		Q	RL	MDL
23184-66-9	Butachlor		0.49	V	V3	0.49	0.032
103-23-1	Di(2-ethylhexyl)adipate	/	1.5	U	1	1.5	0.59

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

SDG No.: 680-158549-1

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

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	86	
115-86-6	Triphenylphosphate	109	109	



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

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

SDG No.: 680-158549-1

% Moisture:

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 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	4 07	0.00020	0.000032
1912-24-9	Atrazine	0.00020	U	0.00020	0.000022
50-32-8	Benzo[a]pyrene	0.00020	UZL	0.00020	0.000028
117-81-7	Di (2-ethylhexyl)phthalate	0.0020	UZL	0.0020	0.00059
118-74-1	Hexachlorobenzene	0.00020	Ū	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		Q	LIMITS
81-20-9	2-Nitro-m-xylene	99		70-130
1520-96-3	Perylene-d12	57	TŁ	70-130
115-86-6	Triphenylphosphate	191	TH PL	70-130

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	U PL	1.5	0.59

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

Date Analyzed: 10/12/2018 23:32

Sample wt/vol: 1009.6(mL) Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture:

GPC Cleanup: (Y/W/ N

Analysis Batch No.: 543121

Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15972-60-8	Alachlor	0.00020	4 15	0.00020	0.000033
1912-24-9	Atrazine	0.00020	U I	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	Ü	0.00020	0.000041
77-47-4	Hexachlorocyclopentadiene /	0.0020	Ü	0.0020	0.000042
51218-45-2	Metolachlor	0.00020	U	0.00020	0.000020
21087-64-9	Metribuzin	0.00020	Ū	0.00020	0.000022
1918-16-7	Propachlor	0.00020	Ü	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	T/L	70-130
115-86-6	Triphenylphosphate	156	TL XH	70-130

Lab Name: TestAmerica Savannah

Job No.: 680-158549-1

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018) RE

Matrix: Water

Analysis Method: 525.2

Extract. Method: 525.2

Sample wt/vol: 1009.6(mL)

Con. Extract Vol.: 1(mL)

Injection Volume: 1(uL)

% Moisture:

Analysis Batch No.: 543121

Lab Sample ID: 680-158587-3/RE

Lab File ID: Yj1226.D

Date Collected: 09/27/2018 13:40

Date Extracted: 10/11/2018 07:45

Date Analyzed: 10/12/2018 23:32

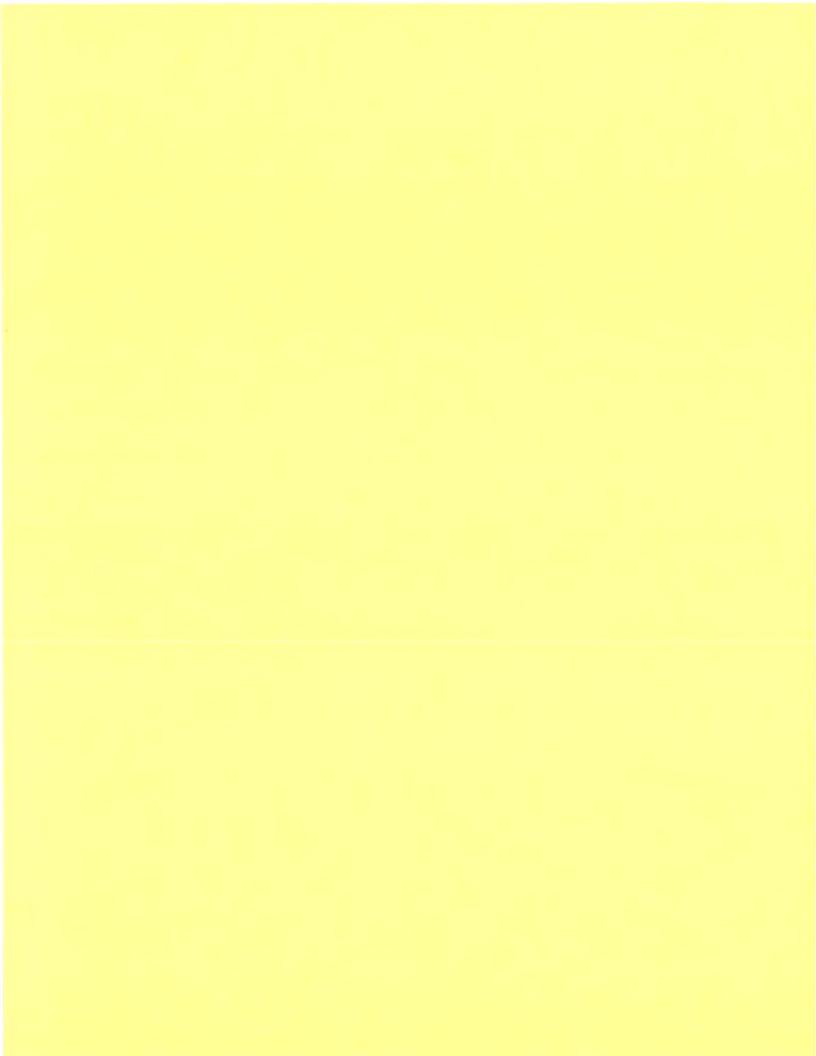
Dilution Factor: 1

Level: (low/med) Low

GPC Cleanup: (Y/N) N

Units: ng/L

CAS NO.	COMPOUND NAME	/	RESULT	Q	RL	MDL
23184-66-9	Butachlor	1	0.50	# PL	0.50	0.032
103-23-1	Di(2-ethylhexyl)adipate	/	1.5	V TL	1.5	0.59



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 P	10	6.3

NW (/5/1

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 T	10	6.3

Lab Name: TestAmerica Savannah J

SDG No.: 680-158549-1

Client Sample ID: GWI-DUP(09272018)

Matrix: Water

Analysis Method: 548.1

Extract. Method: 548.1

Sample wt/vol: 100(mL)

Con. Extract Vol.: 1(mL)

Injection Volume: 1(uL)

% Moisture:

Analysis Batch No.: 542016

Job No.: 680-158549-1

Lab File ID: 2rJ03025.D

Lab Sample ID: 680-158587-3

Date Collected: 09/27/2018 13:40

Date Extracted: 10/03/2018 06:46

Date Analyzed: 10/03/2018 22:15

Dilution Factor: 1

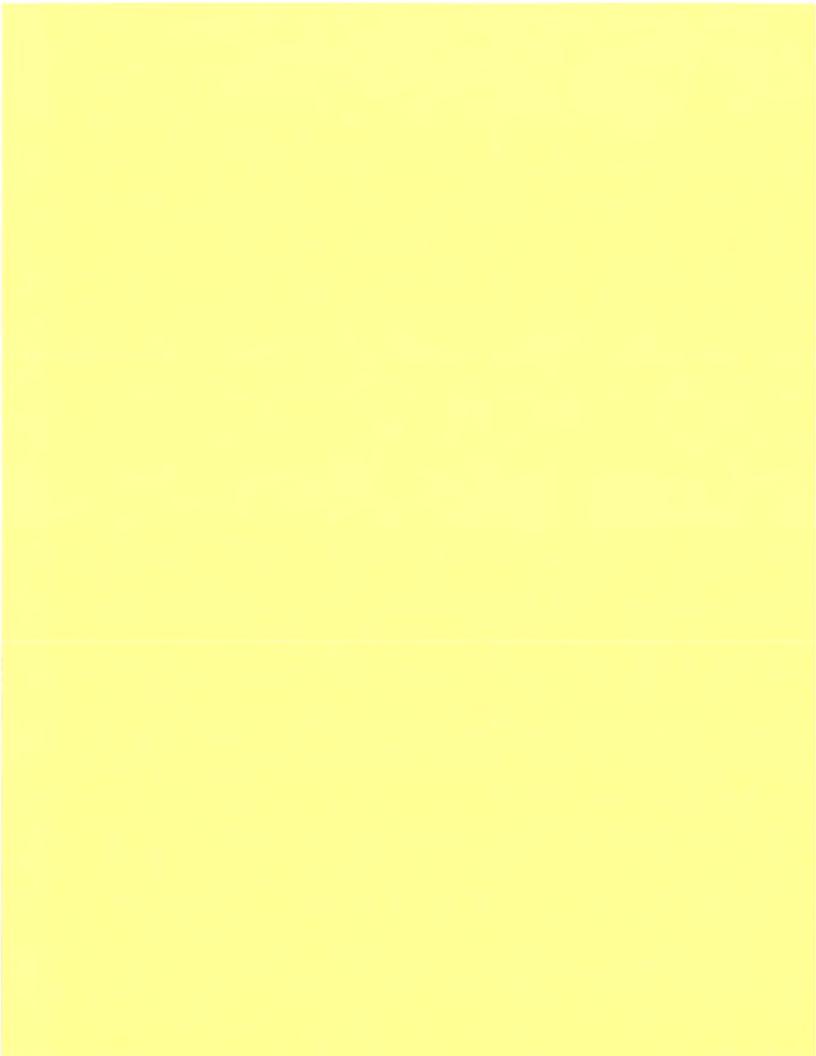
Level: (low/med) Low

GPC Cleanup: (Y/N) N

Units: ug/L

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

NW (/5/19



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

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 GC Column: ID: Injection Volume: GPC Cleanup: (Y/N) N % Moisture: 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



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

Extraction Method: 552.2

Date Collected: 09/27/2018 14:30

Sample wt/vol: 40(mL)

Date Extracted: 10/04/2018 07:12

Date Analyzed: 10/05/2018 19:52 Dilution Factor: 1

Con. Extract Vol.: 4(mL)

Analysis Batch No.: 542230

GPC Cleanup: (Y/N) N

ID: 0.32 (mm)

Injection Volume: 1(uL)

GC Column: CLP I

% Moisture:

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

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 Dilution Factor: 1 Con. Extract Vol.: 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

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	97	

FORM I GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

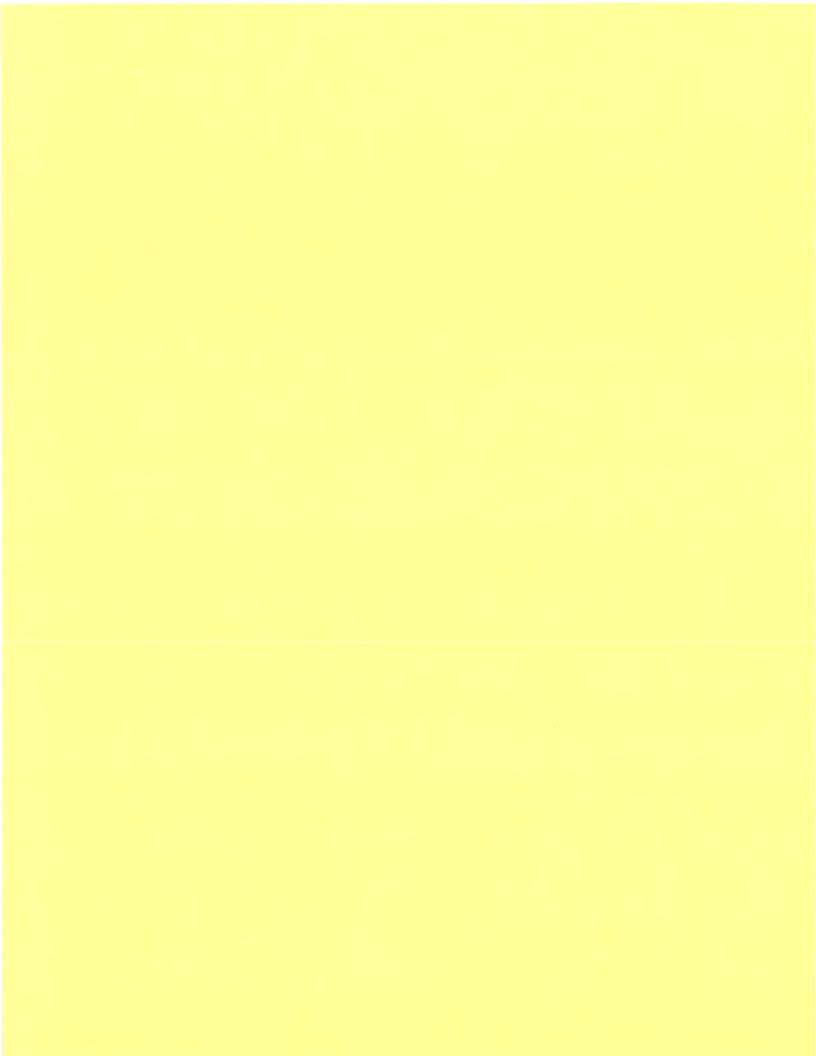
Lab Name: TestAmerica Savannah Job No.: 680-158549-1 SDG No.: 680-158549-1 Client Sample ID: GWI-DUP(09272018) Lab Sample ID: 680-158587-3 Matrix: Water Lab File ID: Analysis Method: 552.2 Date Collected: 09/27/2018 13:40 Extraction Method: Date Extracted: Sample wt/vol: Date Analyzed: 10/05/2018 20:09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

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

Analysis Batch No.: 542548 Units: ug/L

GPC Cleanup: (Y/N) N

% Moisture:



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

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

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: $\underline{1000 \, (mL)}$ Date Analyzed: $\underline{10/08/2018}$ 07:46

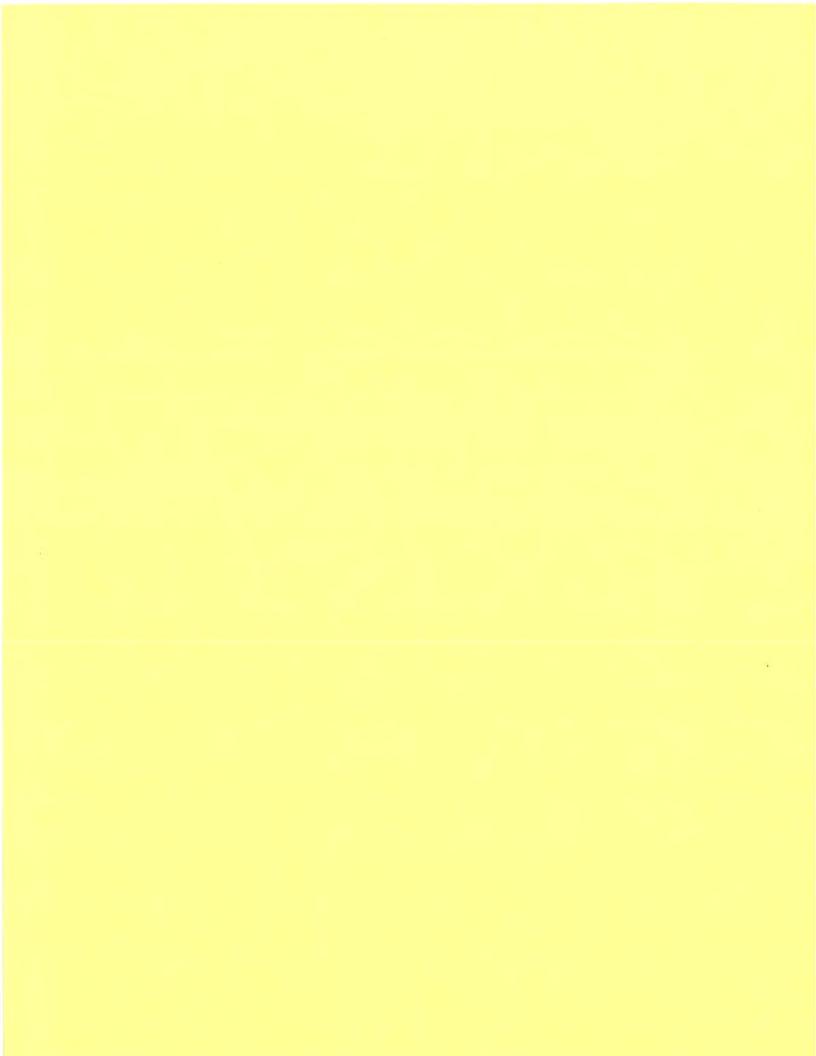
Con. Extract Vol.: 1(mL) Dilution Factor: 1

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



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	37C14-2,3,7,8-TCDD	81		35-197

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

Sample wt/vol: 1039.4(mL)

Date Extracted: 10/10/2018 09:41
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	W 113	9.6	0.68

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
85508-50-5	37C14-2,3,7,8-TCDD	.17	TH	35-197

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

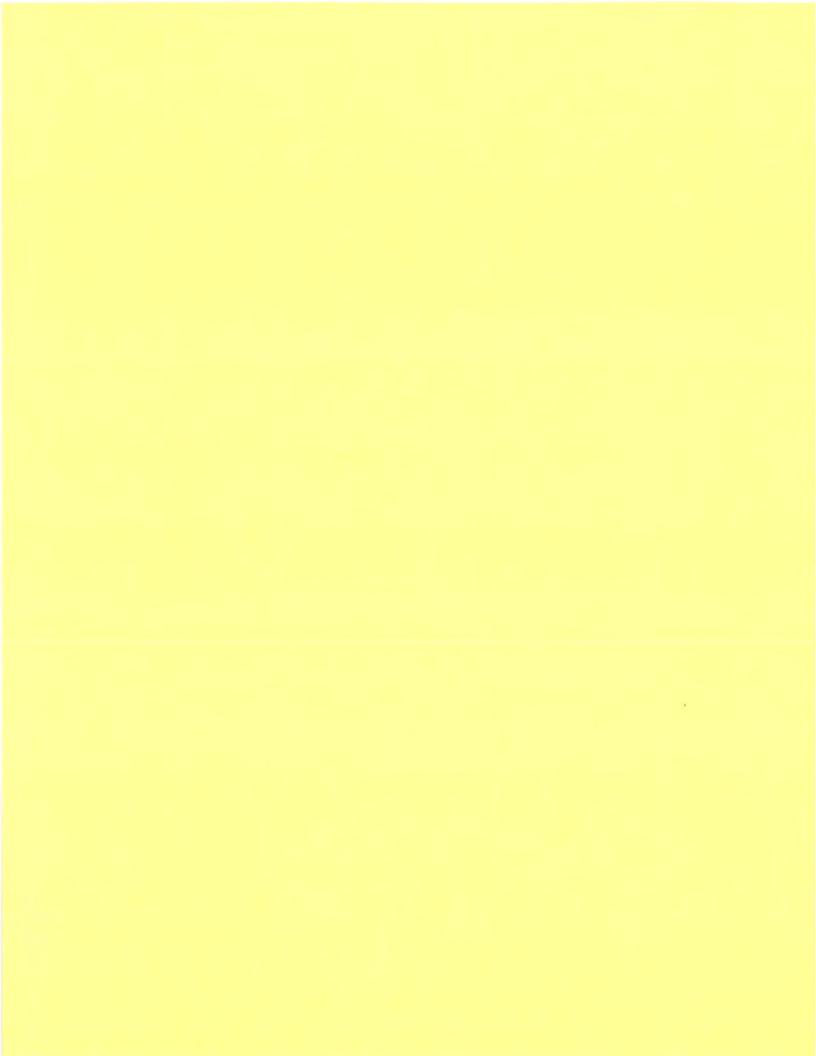
% Moisture: GPC Cleanup:(Y/N) N

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	37C14-2,3,7,8-TCDD	78		35-197



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	UT	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	Ū	0.00049	0.000045
8001-35-2	Toxaphene	0.0024	U	0.0024	0.000056

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	UŢ	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 Z	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

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

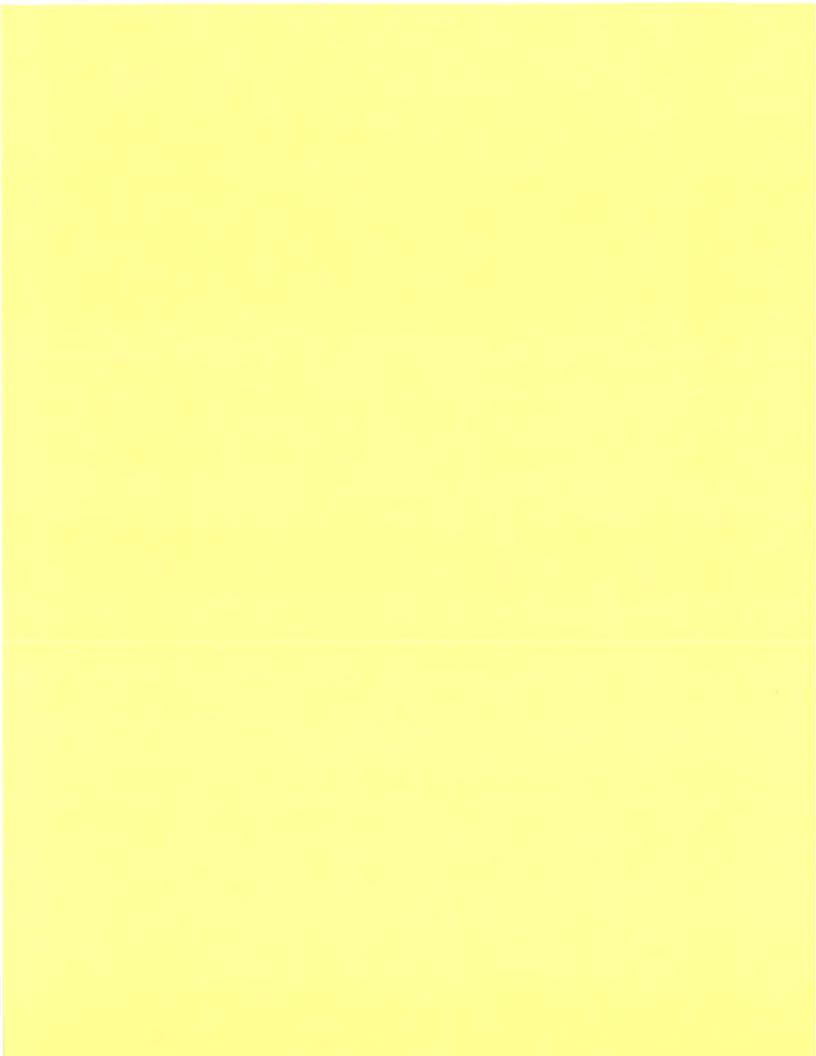
Con. Extract Vol.; 5(mL) Dilution Factor: 1

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 2 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 X	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	U	0.000024	0.0000017
72-43-5	Methoxychlor	0.000024	Ü	0.000024	0.0000076
12674-11-2	PCB-1016	0.00049	Ü	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 Jr	0.0024	0.000057



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

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-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	Ū	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U	0.0025	0.00037

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-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

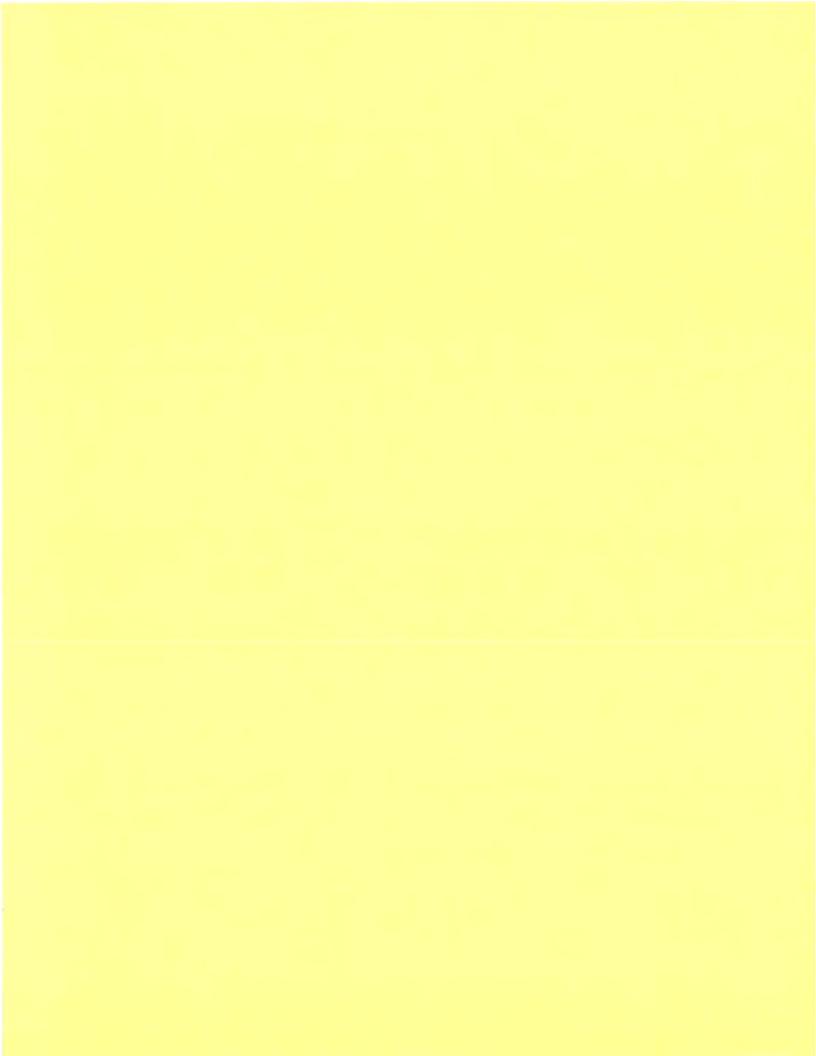
Con. Extract Vol.: 1(mL) Dilution Factor: 1

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



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	Ū	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

UW 1/5/19

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: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.48	U	0.48	0.082

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: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.00049	V US	0.00049	0.000036
75-99-0	Dalapon	0.0049	0.7	0.0049	0.00097
88-85-7	Dinoseb	0.00097	Ų l	0.00097	0.00015
87-86-5	Pentachlorophenol	0.00019	Ψ I	0.00019	0.000037
1918-02-1	Picloram	0.00049	Ŵ I	0.00049	0.000075
93-72-1	Silvex (2,4,5-TP)	0.00024	Ų J	0.00024	0.000058

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)

Matrix: Water

Analysis Method: 515.1

Extraction Method: 515.1

Sample wt/vol: 1029.3(mL)

Con. Extract Vol.: 10(mL)

Injection Volume: 1(uL)

% Moisture:

Analysis Batch No.: 542983

-

Lab Sample ID: 680-158587-2

Lab File ID: SJ100028.D

Date Collected: 09/27/2018 14:30

Date Extracted: 10/09/2018 08:38

Date Analyzed: 10/11/2018 04:07

Dilution Factor: 1

GC Column: DB-35MS ID: 0.32(mm)

GPC Cleanup: (Y/N) N

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1918-00-9	Dicamba	0.49	U	0.49	0.083

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: 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

FORM I HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab File ID: SJ100029.D

Dilution Factor: 1

Date Extracted: 10/09/2018 08:38

ID: 0.32 (mm)

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

Analysis Method: 515.1 Date Collected: 09/27/2018 13:40

Extraction Method: 515.1

Sample wt/vol: 1044.5(mL) Date Analyzed: 10/11/2018 04:27

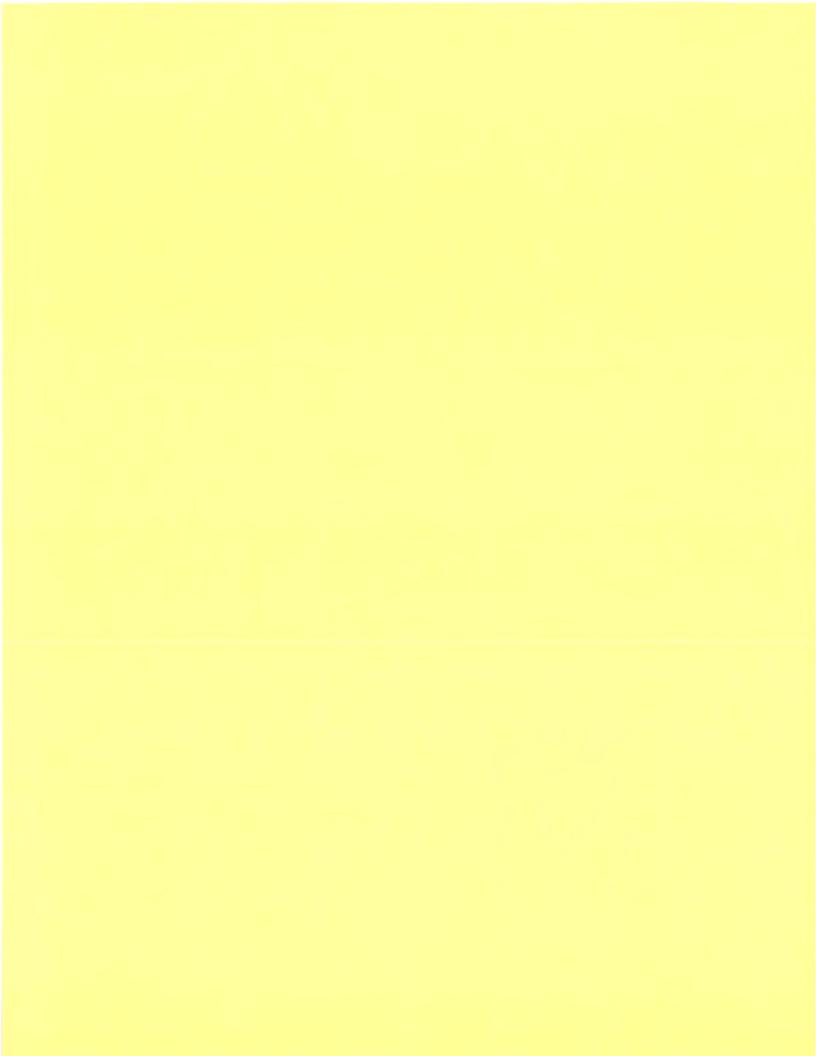
Con. Extract Vol.: 10(mL)

Injection Volume: 1(uL) GC Column: DB-35MS

% 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



FORM I HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab File ID: 1R100229.D

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

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

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	2.5	U	25	5.0

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

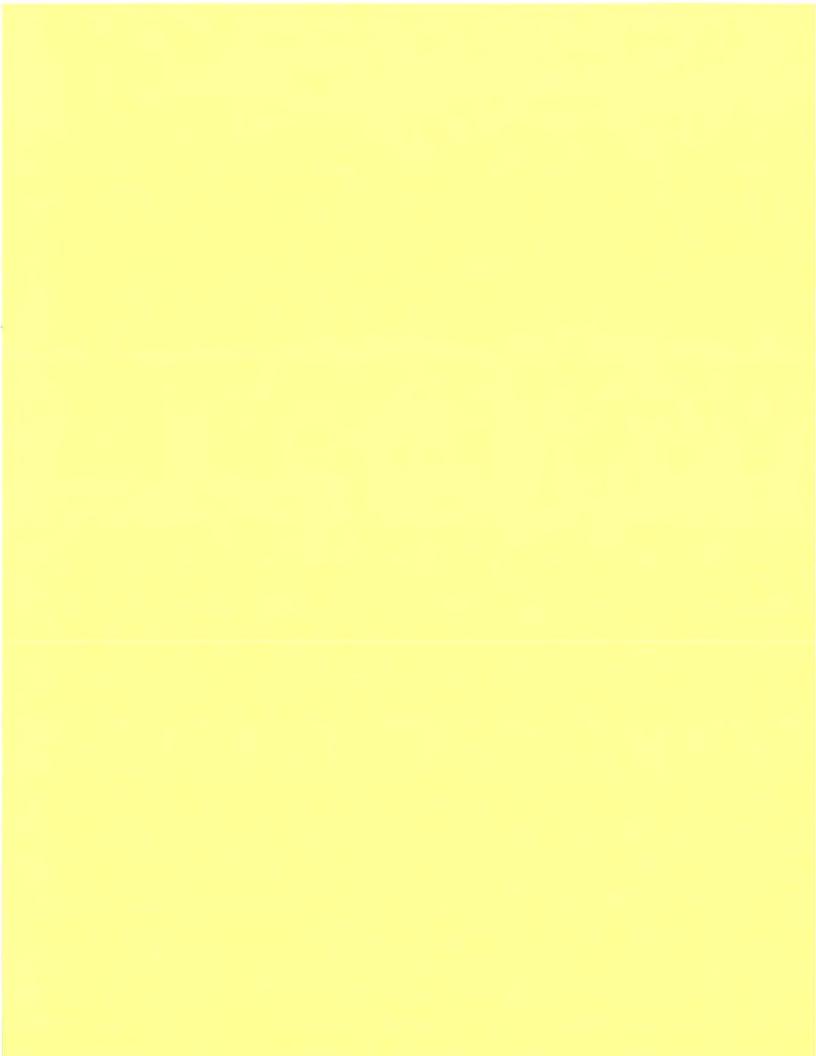
Injection Volume: 1(uL) GC Column: K Cation Exchg ID: 4(mm)

% 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

NW 115/19



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: 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

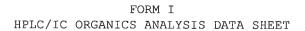
Con. Extract Vol.: 10(mL) Dilution Factor: 1

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



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	Ü	2.0	0.40

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: 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

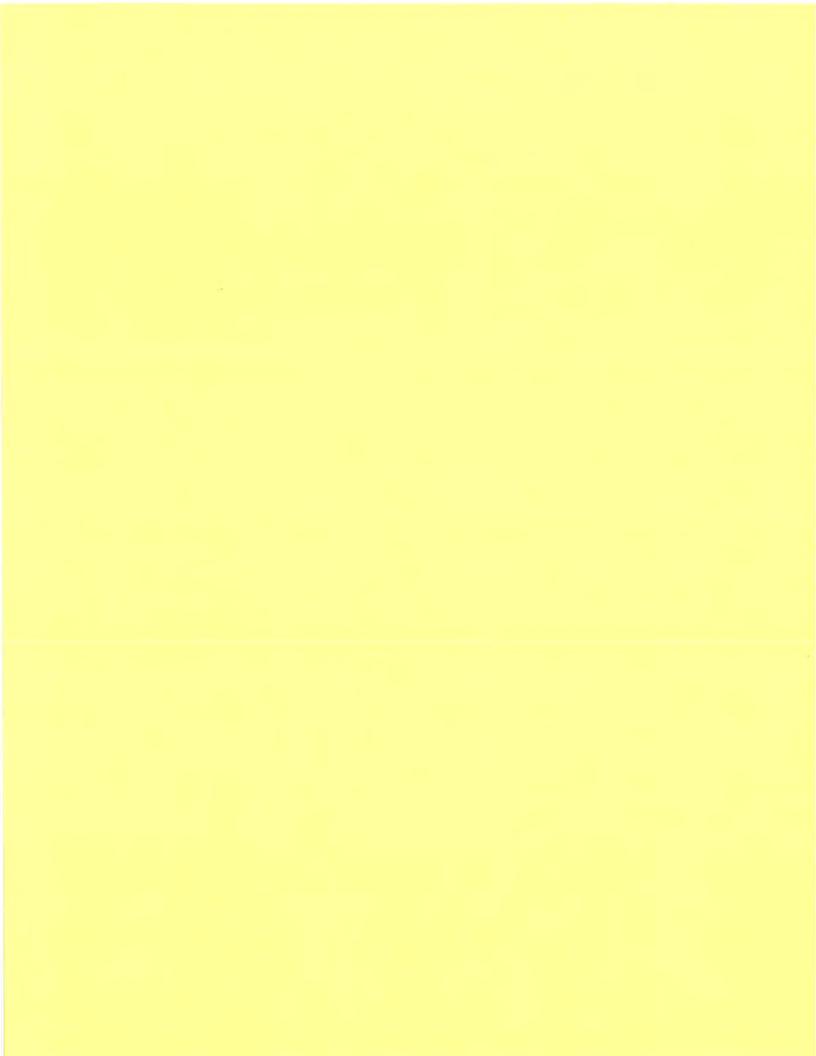
Con. Extract Vol.: 10(mL) Dilution Factor: 1

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



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	С	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	245.1-19 94 R3.0

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	С	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	Ü		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	171	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	Ū		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0

M 1/5/11

1A-IN INORGANIC ANALYSIS DATA SHEET METALS

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

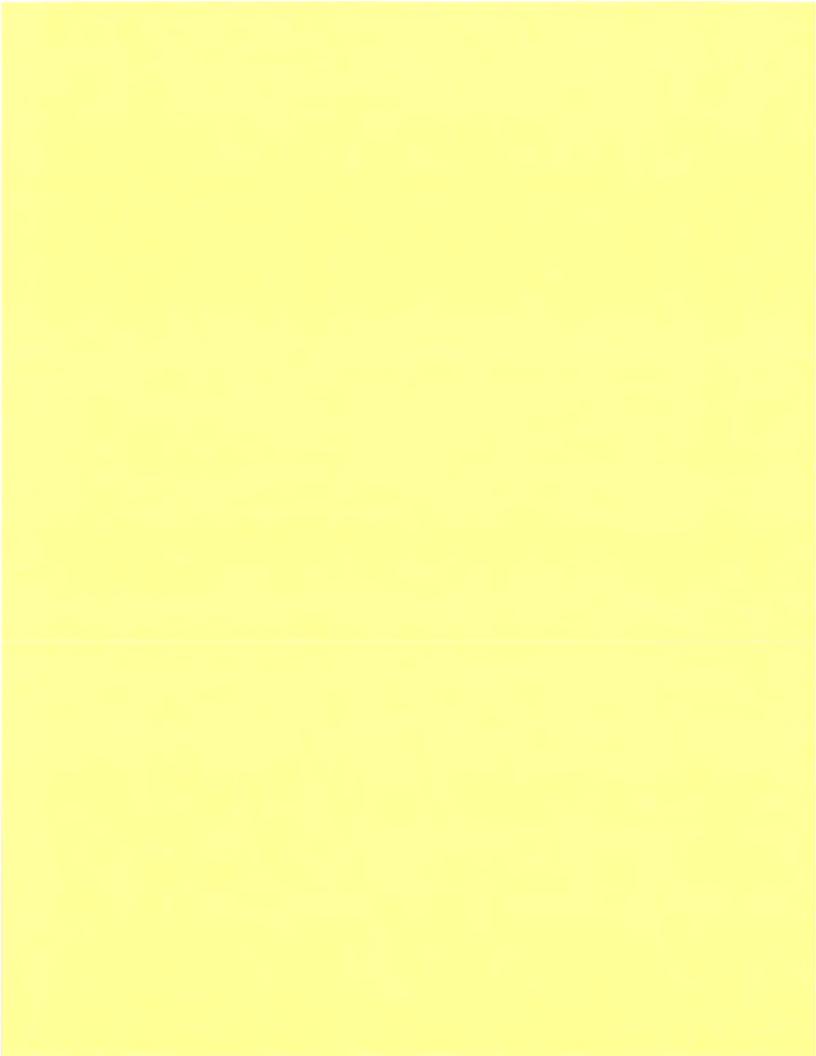
Lab Name: TestAmerica Savannah Job No.: 680-158549-1

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	С	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	Ü		1	200.8
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0



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	С	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0025	mg/L	U		1	335.4

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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	Ū		4.	335.4

Page 3508 of 4148

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

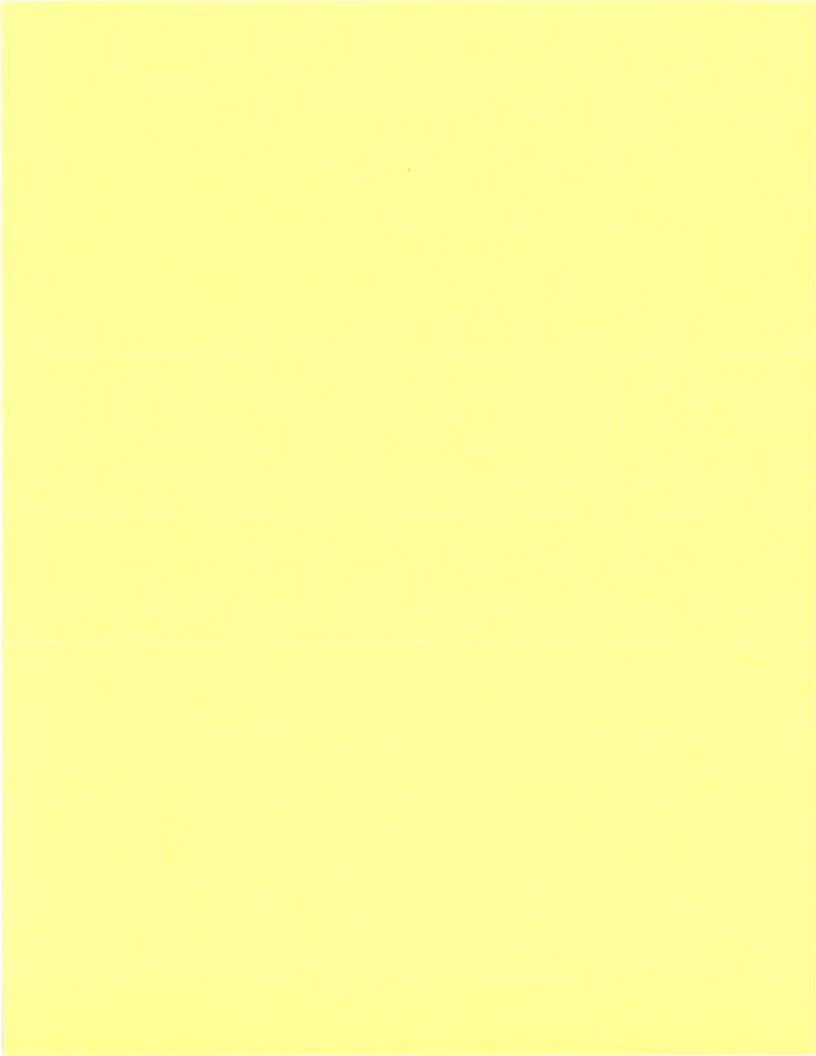
Matrix: Water

Date Sampled: 09/27/2018 13:40

Reporting Basis: WET

Date Received: 09/29/2018 10:04

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



Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 396889

Lab ID: MB 160-396889/1-/ Client ID: Sigma: 2	A Analyzed: 10/27/1 Detector: Blue11 Dil Fac: 1	8 13:13	Yield	y Correct Truncate ration Typ	d: No			Ts: Tb:	200 1000	
Analyte MB Result	Count Unc Total Unc Qualific	er 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 U	pCi/L	4.00	0.857	81	390	0,405	0.390	0.46067 397747	
Lab ID: LCS 160-396889/2	-A Analyzed: 10/27/1	8 13:13	Deca	y Correct	ed: No	_		Ts:	200	
Client ID:	Detector: Blue12		Yield	Truncate	d: No			Tb:	1000	
Sigma: 2	Dil Fac: 1		Calib	ration Typ	oe: 1					
Analyte LCS Result		er Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	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	
_ab ID: LCSB 160-396889/	3-A Analyzed: 10/27/1	8 13:13	Deca	y Correct	ed: No			Ts:	200	
Client ID:	Detector: Blue13		Yield	Truncate	d: No			Tb:	1000	
Sigma: 2	Dil Fac: 1		Calib	ration Typ	pe: 1					
Analyte LCSB Result	Count Unc Total Unc Qualifie	er Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	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	
_ab ID: 680-158587-1	Analyzed: 10/27/1	8 13:17	Deca	y Correct	ed: No			Ts:	200	1
Client ID: GWI-02(09272018)	Detector: Protear	17		Truncate				Tb:	1000	iA.
Sigma: 2	Dil Fac: 1		Calib	ration Typ	pe: 1					
Analyte Result		17	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		0.10657 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

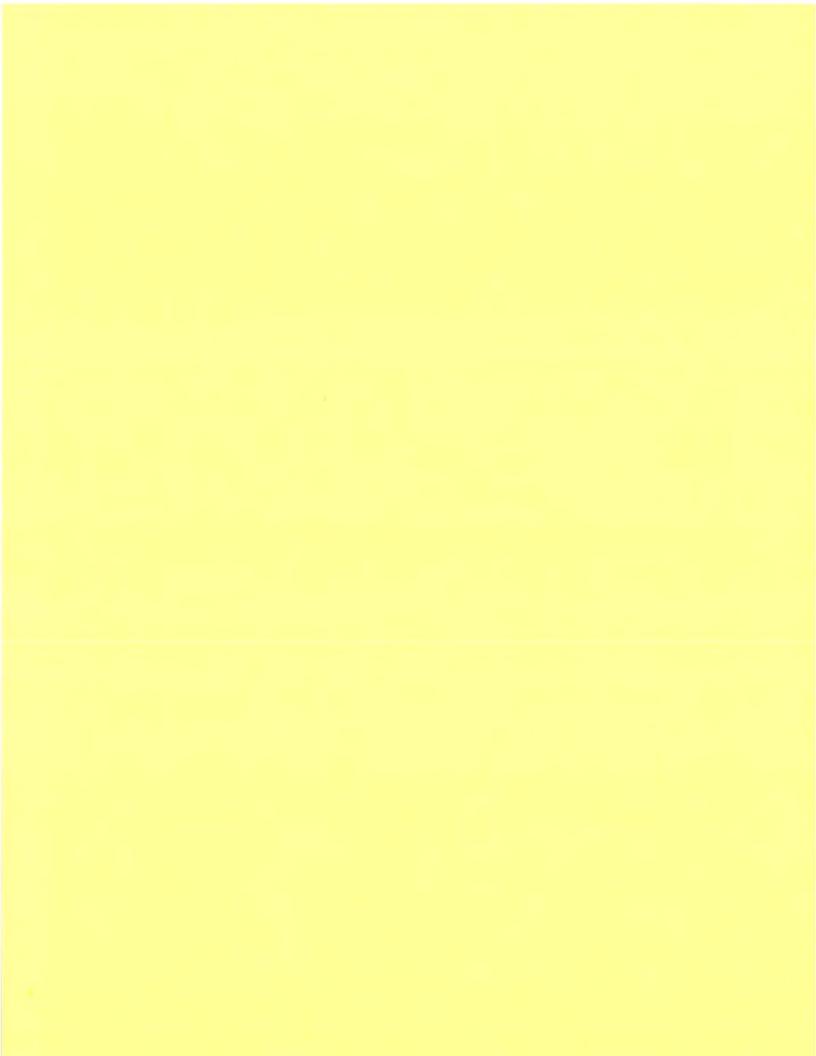
_ab ID: MB 160-397046/1-A	Analyzed: 10/28/18	19:03	Deca	y Corrected	l: No		Ts:	200	
lient ID:	Detector: Orange7		Yield	Truncated:	No		Tb:	1000	
Sigma: 2	Dil Fac: 1		Calib	ation Type:	: 1				
Analyte MB Result	Count Unc Total Unc Qualifier	Unit	RL	MDC	Cs C	Cb CPMs	СРМЬ	Eff Anly Batch	
Gross Alpha 0.0000	0.494	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 4	38 0.570	0.438	0.45593 397888	
	Analyzada 40/20/48	4.4.0	Daga	y Corrected	lı Na		Tax	200	
Lab ID: LCS 160-397046/2-A		14.10		•			Ts:		
Client ID:	Detector: Protean11			Truncated:			Tb	1000	
Sigma: 2	Dil Fac: 1		Calibi	ration Type:	: 1				
Analyte LCS Result	Count Unc Total Unc Qualifier	Unit	RL	MDC	Cs C	Cb CPMs	СРМЬ	Eff Anly Batch	
Gross Alpha 48.49	4.31 7.01	pCi/L	3.00	1.61	541	2.705	0.080	0.12193 398040	
_ab ID: LCSB 160-397046/3	-A Analyzed: 10/28/18	10:04	Doog	y Corrected	l: No		Ts:	200	
		13.04		y Corrected Truncated:			Tb:		
Client ID:	Detector: Orange9						i D	1000	
Sigma: 2	Dil Fac: 1		Calibi	ration Type:	: 1				
Analyte LCSB Result	Count Unc Total Unc Qualifier	Unit	RL	MDC	Cs C	cb CPMs	СРМЬ	Eff Anly Batch	
Gross Beta 87.29	3.08 9.26	pCi/L	4.00	0.928	3394 3	98 16.970	0.398	0.42752 397888	
_ab ID: 680-158587-2	Analyzed: 10/28/18 2	21.26	Deca	y Corrected	l· No		Ts:	200	
Client ID: GWI-03(09272018)	Detector: Protean12			Truncated:			Tb:	1000	2
Sigma: 2	Dil Fac: 1			ration Type:			101	1000	_
ayına. 2	Dii i do.		Calibi	adon Type.	. '				
Analyte Result	Count Unc Total Unc Qualifier	Unit	RL	MDC		b CPMs	СРМЬ	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 4	19 1.015	0.419	0.41606 397930	
ab ID: 680-158587-3	Analyzed: 10/28/18 2	21·26	Deca	y Corrected	: No		Ts:	200	7
Client ID: GWI-DUP(09272018	• 15			Truncated:			Tb:	1000	3
•	Dil Fac: 1			ration Type:			INE	1000	-
Sigma: 2	Dil Fac.			auon Type.	. '				
Analyte Result	Count Unc Total Unc Qualifier	Unit	RL	MDC		Cb CPMs	СРМЬ	Eff Anly Batch	
Gross Alpha 5.69	3.67 3.73 9	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 3	53 0.985	0.353	0.41245 397930	
-		•							

Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 393206

Lab ID: LCS 1	160-393206/1-A	Α Α	nalyzed	10/12/18	12:36	De	cay Correcte	ed: No			Ts:	1(00	
Client ID:		D	etector:	Orange9		Yie	eld Truncated	d: No			Tb:	10	000	
Sigma: 2		D	il Fac:	1		Ca	libration Typ	e: 2						
Analyte	LCS Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff	Anly Batch	
Radium-226	22.83	2.47	3.2	1	pCi/L	1.00	0.824	358	78	3.580	0.078	0.21108	394747	
Carrier	LCS Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added		% Rec	Limits				
Ba Carrier	0.02050				g		0.0339	60.5	40 -	110				
Lab ID: 680-1	58587-1	Α	nalyzed:	10/12/18	12:37	De	cay Correcte	d: No			Ts:	10	00	1
Client ID: GWI-0	02(09272018)	D	etector:	Orange14	ļ.	Yie	eld Truncated	i: No			Tb:	10	000	
Sigma: 2	,	D	il Fac:	1		Ca	libration Typ	e: 2						
Analyte	Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch	
Radium-226	1.56	0.584	0.60	0	pCi/L	1.00	0.542	42	70	0.420	0.070	0.19480	394747	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added		% Rec					
Ba Carrier	0.0324				g		0.0339	95.6	40 -	110				
Lab ID: 680-1	58587-2	Α	nalyzed:	10/12/18	12:37	De	cay Correcte	d: No			Ts:	10	00	2
Client ID: GWI-0	03(09272018)	D	etector:	Orange16	•	Yie	ld Truncated	i: No			Tb	10	000	
Sigma: 2		D	il Fac:	1		Ca	libration Typ	e: 2						
Analyte	Result	Count Unc		c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ		Anly Batch	
Radium-226	1.14	0.550	0.56	0	pCi/L	1.00	0.628	33	89	0.330	0.089	0.19247	394747	
Carrier	Result	Count Unc	Total Und	c Qualifier	Unit	MDC	Spike Added		% Rec l					
Ba Carrier	0.0310				g		0.0339	91.4	40 -	110				
Lab ID: 680-1	58587-3	А	nalyzed:	10/12/18	12:37	De	cay Correcte	d: No			Ts:	10	00	3
Client ID: GWI-[DUP(09272018)) D	etector:	Orange17	,	Yie	ld Truncated	l: No			Tb:	10	000	
Sigma: 2		D	il Fac:	1		Ca	libration Typ	e: 2						
Analyte	Result	Count Unc		c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ		Anly Batch	
Radium-226	1.79	0.631	0.65		pCi/L	1.00	0.566	46	72	0.460	0.072	0.19268	394747	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added					14		
Ba Carrier	0.0317				g		0.0339	93.5	40 -	110				

Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 393205

	3 160-393205/1-/		,	10/11/18	08:54		cay Correcte				Ts:	20		
Client ID:				Blue0			eld Truncated				Tb:	10	000	
Sigma: 2		U	il Fac:	1		Ca	libration Typ	e. I						
Analyte	LCS Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ		Inly 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							
Ва	0.03460				g		0.0339	102	40 -					
Y -	0.02250				9		0.0268	84.1	40 -	110				
Lab ID: 680	-158587-1	А	nalyzed: 1	10/11/18	08:56	De	cay Correcte	d: No			Ts:	20	00	1
	1-02(09272018)		- C	Blue6			eld Truncated				Tb:	10	000	1
Sigma: 2	• -/			1			libration Typ							
Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	Eff A	Inly Batch	
Ra-228	0.00514	0.235	0.235	Ū	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						
Ba	0.0368				g		0.0339	109	40 -	110				
Υ	0.0217				g		0.0268	81.1	40 -	110				
Lab ID: 680	-158587-2	A	nalyzed: 1	10/11/18	08:56	De	cay Correcte	d: No			Ts:	20	0	7
Client ID: GW	1-03(09272018)	D	etector: E	Blue7		Yie	eld Truncated	l: No			Tb:	10	00	
Sigma: 2	,	D	l Fac:	1		Cal	libration Typ	e: 1						
Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff A	Inly 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 I	imits.				
Ba	0.0368	-		-	g		0.0339	109	40 -	110				
Υ	0.0212				g		0.0268	79.3	40 -	110				
Lab ID: 680	-158587-3	A	nalyzed: 1	10/11/18	08:56	De	cay Correcte	d: No			Ts:	20	0	3
	I-DUP(09272018		-	Blue8			eld Truncated				Tb:		000	
Sigma: 2	(========	,		1		Cal	libration Typ	e; 1						
Analyte	Result	Count Unc	Total Unc	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff A	Inly 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							
Ва	0.0360	, re			g		0.0339	106	40 -	110				
Da														



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

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

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

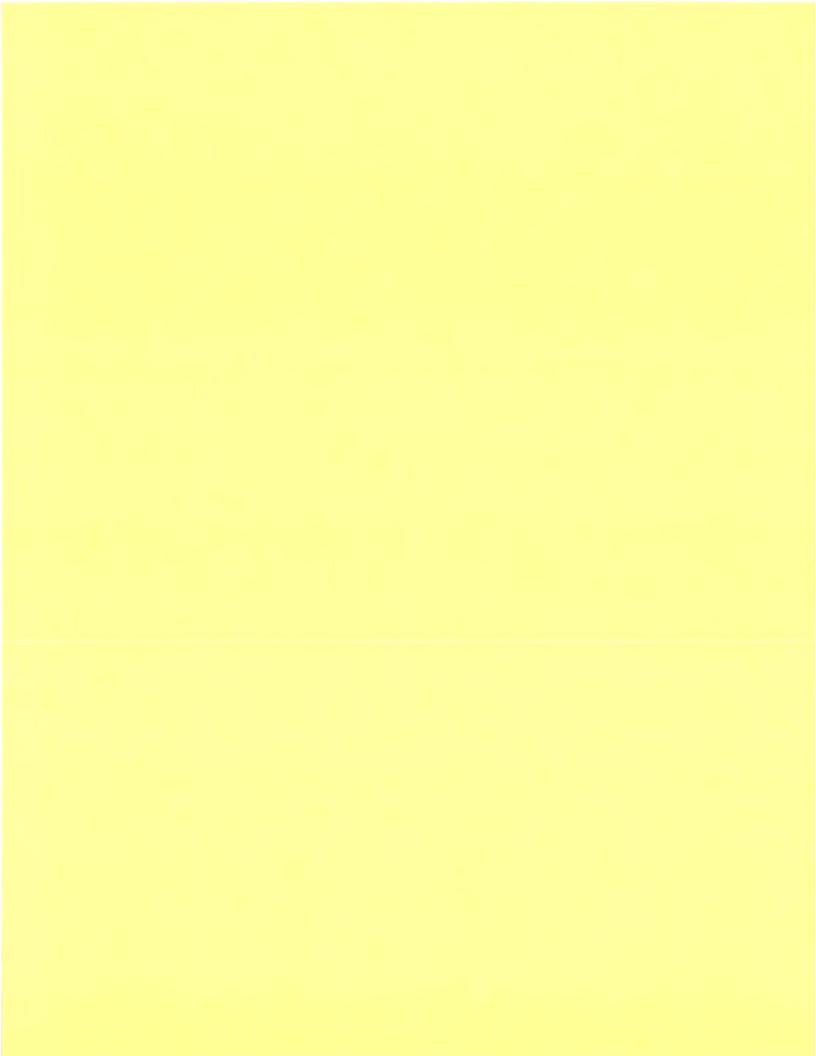
Con. Extract Vol.: 5(mL) Dilution Factor: 1

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	υ	0.17	0.082



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

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

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

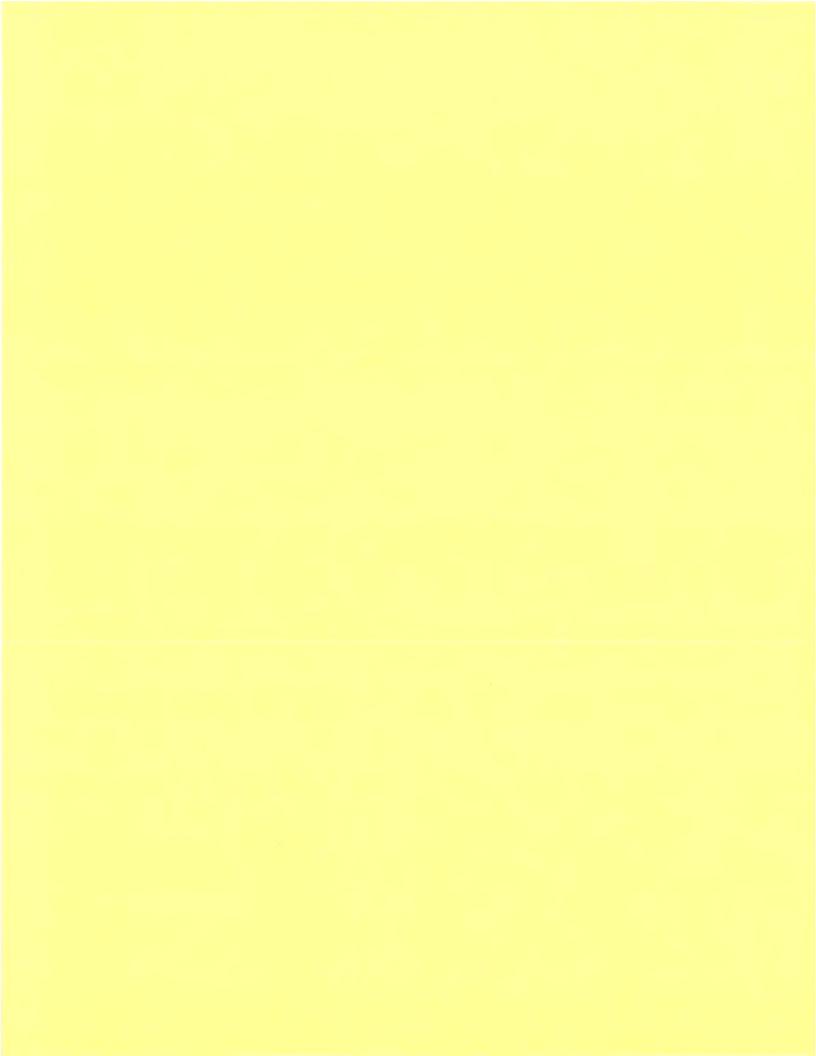
Con. Extract Vol.: 5(mL) Dilution Factor: 1

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



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

Lab Name: TestAmerica Savannah Jo

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

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

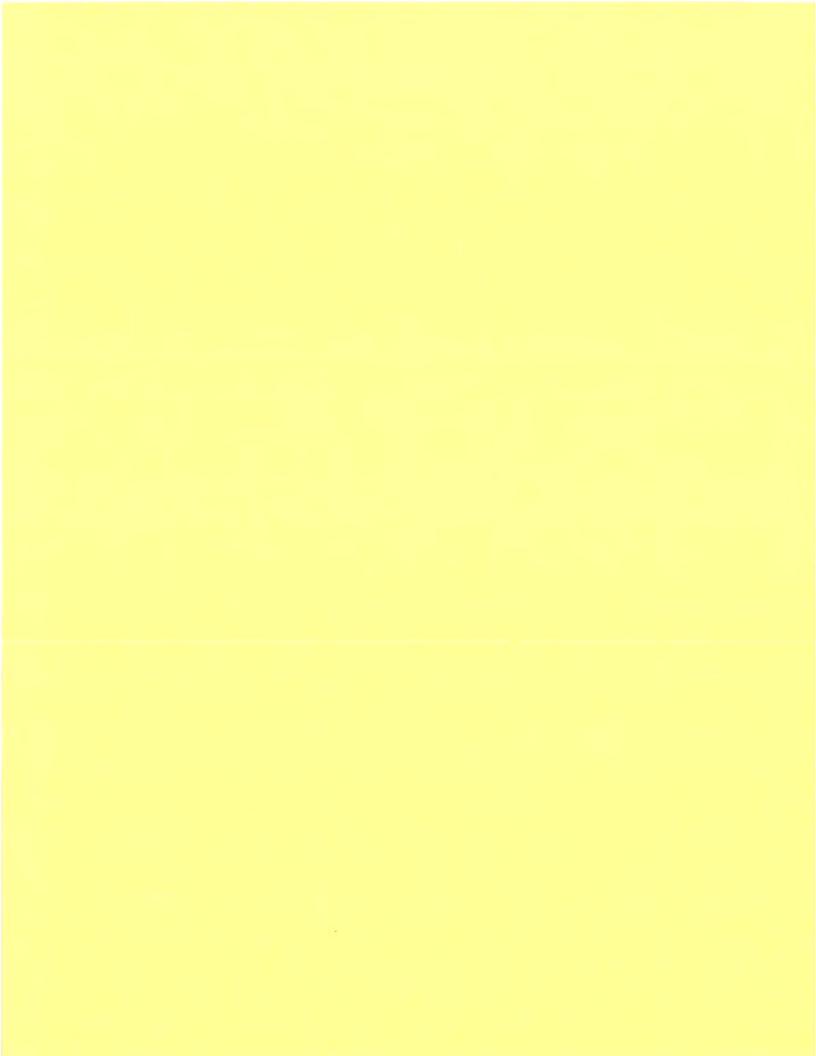
Injection Volume: 25(uL) GC Column: Dionex AS9-HC ID: 2(mm)

% 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



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

Lab File ID: 0035.d

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

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

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



DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York	Date: <u>July 19, 2019</u>
SDG : <u>680-15854</u> 9-1	-
Laboratorus Post Conflict Association Consideration	C. I AF TAKEL A L. L. L.

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 ([/U]).

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.

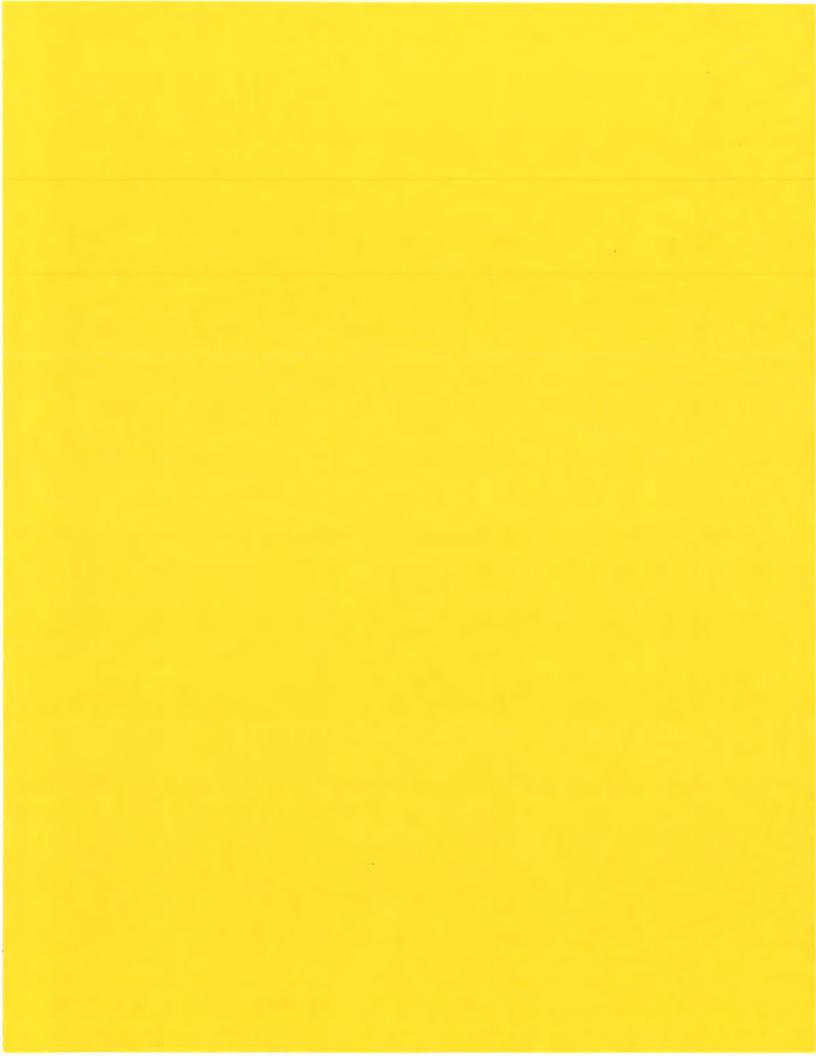
Initial Calibration (ICV) - The ICV exhibited acceptable %R and/or correlation coefficients.

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.								



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	С	Q	DIL	Method
	Color	25.0	25.0	PCU	Ì		5	SM 2120B
	Turbidity	50.8	- 1.00	NTU		HT	10	SM 2130B
	Odor at 60°C	1.00	1.00	T.O.N.	10	нт	1	SM 2150B

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

Reporting Basis: WET

Matrix: Water

Date Sampled: 09/27/2018 14:30

Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	Units	С	Q	DIL	Method	
	Color	10.0	5.00	PCU		+	1	SM 2120E	
	Turbidity	22.8	J 0.100	NTU		M	1	SM 2130F	
	Odor at 60°C	1.00	M1 1.00	T.O.N.	D	112	1	SM 2150E	

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

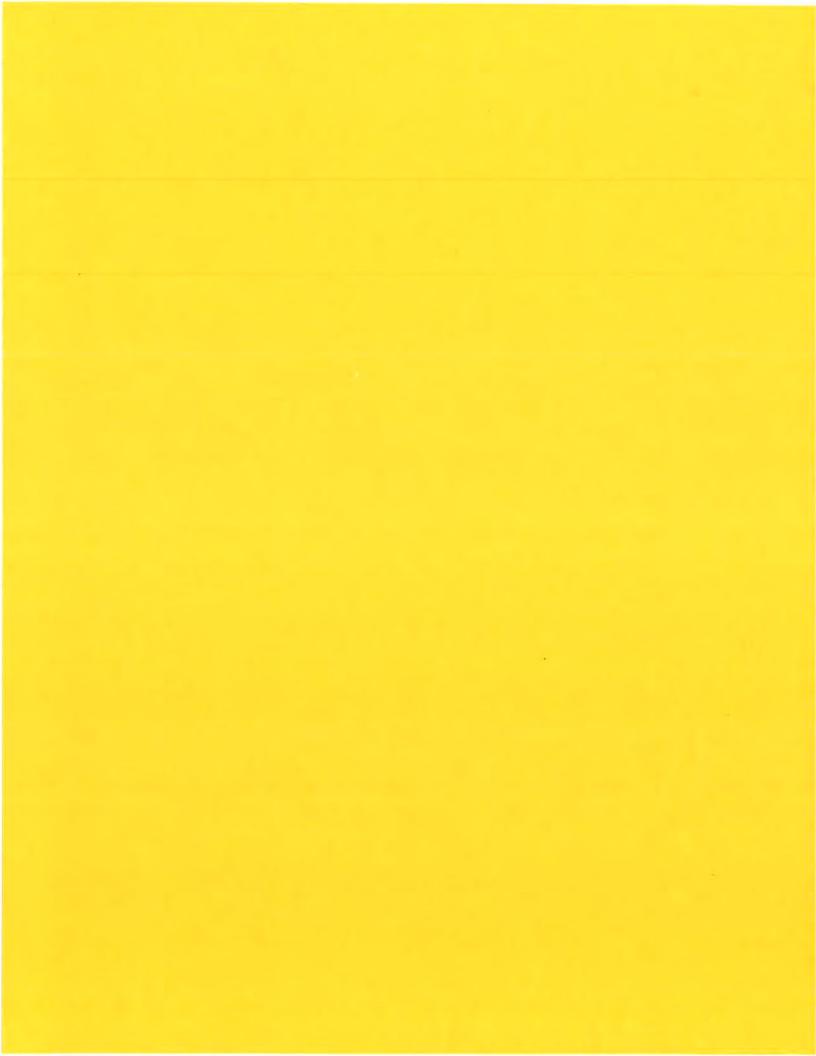
Matrix: Water

Date Sampled: 09/27/2018 13:40

Reporting Basis: WET

Date Received: 09/29/2018 10:04

CAS No.	Analyte	Result	RL	Units	С	Q	DIL	Method
	Color	25.0	25.0	PCU			5	SM 2120E
	Turbidity	6.81	J 0.100	NTU		HT	1	SM 2130E
	Odor at 60°C	1.00	u1 1.00	T.O.N.	H	HZ	1	SM 2150E



Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 396889

										_					
Lab ID:	MB 160-	-396889/1-A		,	10/27/18	13:13		ay Correc				Ts	;	200	
Client ID:					Blue11		Yield	l Truncate	ed: No			Tb.		1000	
Sigma:	2			Oil Fac:	1		Calib	ration Ty	pe: 1						
Analyte		MB Result	Count Unc	Total Und	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff	Anly Batch	
Gross Alph	na	0.1872	0.442	0.443	3 Ü	ρCi/L	3.00	0.811	14	53	0.070	0.053	0.20451	397747	
Gross Beta	3	0.04188	0 484	0 484	4 U	pCi/L	4.00	0.857	81	390	0 405	0 390	0 46067	397747	
Lab ID:	LCS 160)-396889/2-A	. А	nalyzed:	10/27/18	13:13	Deca	y Correc	ted: No			Ts:		200	
Client ID:				etector:	Blue 12		Yield	l Truncate	ed: No			Tb		1000	
Sigma:	2		E	il Fac:	1			ration Ty				, 5		1000	
Analyte		LCS Result	Count Unc	Total Und	Qualifler	Unit	RL	MDC	Cs	Cb	CPMs	СРМЪ	Eff	Anly Batch	
Gross Alph	18	39.85	4.23	6.21	1	pCi/L	3.00	1.53	375	47	1.875	0.047	0.10331	397747	
_ab ID:	LCSB 16	60-396889/3-	A A	nalyzed:	10/27/18	13:13	Deca	ау Соггес	ted: No			Ts.		200	
Client ID:			D	etector:	Blue13		Yield	Truncate	ed: No			Tb'		1000	
Sigma:	2		D	il Fac:	1		Calib	ration Ty	pe: 1						
Analyte		LCSB Result	Count Unc	Total Und	Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch	
Gross Beta	1	86.28	3.06	9.15	5	pCi/L	4.00	0.846	3327	300	16.635	0.300	0.42565	397747	
_ab ID:	680-158		А	nalyzed:	10/27/18	13:17	Deca	y Correc	ted: No			Ts		200	1
Client ID:		09272018)	D	etector:	Protean7		Yield	Truncate	ed: No			Tb:		1000	1
Sigma:	2		D	il Fac:	1		Calib	ration Ty	pe: 1					_	
Analyte		Result	Count Unc		Qualifier	Unit	RL	MDC	Çs	СЬ	CPMs	СРМЬ		Anly Batch	
Gross Alph		9.03	4.29	4.41		pCi/L	3.00	5.51	51	99	0.255	0.099	0.10657	397749	
Gross Beta	ı	7 02	2.32	2.42	2	pCi/L	4.00	3.04	204	482	1.020	0.482	0.41051	397749	

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TestAmerica St. Louis

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Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 397046

Lab ID: Client ID: Sigma:	MB 160-397046/1-/	[Analyzed; Detector: Dif Fac:	10/28/18 Orange7 1	19:03	Yield	y Correct Truncate ration Ty	ed: No			Ts: Tb:		200 1000	
Analyte	MB Result	Count Unc		c Qualifier	Unit	RL	MDC	Cs	СР	CPMs	CPMb	Eff	Anly Batch	
Gross Alph	na 0.0000	0 494	0 49	4 U	pCi/L	3.00	0.967	19	95	0 095	0 095	0.21777	397888	
Gross Beta	a 0.6521	0.567	0.57	0 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	Deca	y Correct	ted: No			Ts		200	
Client ID:		C	Detector:	Protean1	1	Yield	Truncate	ed: No			Tb:		1000	
Sigma:	2	[Oil Fac:	1		Calib	ration Typ	pe: 1						
Analyte	LCS Result		Total Un	c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	Eff	Anly Batch	
Gross Alph	na 48 49	4.31	7.0	1	pCi/L	3 00	1.61	541	80	2 705	0 080	0.12193	398040	
Lab ID:	LCSB 160-397046/	3-A /	Inalyzed:	10/28/18	19:04	Deca	y Correct	ted: No			Ts		200	
Client ID:			Detector:	Orange9		Yield	Truncate	ed: No			Tb:		1000	
Sigma:	2		Dil Fac:	-1		Calib	ration Typ	pe: 1						
Analyte	LCSB Result			c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	СРМЬ	Eff	Anly Batch	
Gross Beta	a 87 29	3 08	9 2	6	pCi/L	4.00	0.928	3394	398	16,970	0.398	0.42752	397888	
Lab ID:	680-158587-2	ļ	Analyzed:	10/28/18	21:26	Deca	y Correct	ted: No			Ts:		200	2-
Client ID:	GWI-03(09272018)	. [Detector:	Protean 1	2	Yield	Truncate	d: No			Tb		1000	
Sigma:	2	Ţ	Oil Fac:	1		Calib	ration Typ	pe: 1						
Analyte	Result			c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	CPMb	Eff	Anly Batch	
Gross Alph		1.56	1.5	7 U	pCi/L	3 00	2 43	23	62	0 115	0 062	0.10554	397930	
Gross Bela	a 4 50	1.17	12	!6	pCi/L	4 00	1,44	203	419	1 015	0.419	0.41606	397930	
Lab ID:	680-158587-3	1	Analyzed	10/28/18	21:26	Deca	y Correct	ted: No			Ts:		200	
Client ID:	GWI-DUP(0927201	(8)	Detector:	Protean1	4	Yield	Truncate	ed: No			Tb:		1000	0
Sigma:	2	[Oil Fac:	1		Calib	ration Ty _l	pe: 1						5
Analyte	Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff	Anly Batch	
	Z 00	3 67	2.7	3 G	pCi/L	3 00	5 21	38	90	0.190	0.090	0.09651	397930	
Gross Alph	ha 5 69	301	3 /	3 0	PCI/L	3 00	321	30	90	0.190	0.090	0.03031	39/930	

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Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 393206

Lab ID: LCS 16 Client ID: Sigma: 2	60-393206/1- <i>A</i>	D	nalyzed: elector: il Fac:	10/12/18 Orange9 1	12:36	Yie	ecay Correcte eld Truncated alibration Typ	d: No			Ts: Tb.		00 000	
Analyte	LCS Result	Count Unc	Total Un	c Qualifler	Unit	RL.	MDC	Cs	СЬ	CPMs	СРМЪ	Eff	Anly Batch	
Radium-226	22.83	2.47	3.2	1	pCi/L	1.00	0 824	358	78	3.580	0.078	0.21108	394747	
Carrier	LCS Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits				
Ba Carrier	0.02050				g		0.0339	60.5	40 -	110				
ab ID: 680-15	8587-1	А	nalyzed	10/12/18	12:37	De	ecay Correcte	ed: No			Ts:	1	00	17
Client ID: GWI-02	2(09272018)	D	etector:	Orange14	1	Yie	eld Truncated	d: No			Tb:	1	000	1
Sigma: 2		D	il Fac:	1		Ca	alibration Typ	e: 2						
Analyte	Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Сь	CPMs	СРМЬ	Eff	Anly Batch	
Radium-226	1.56	0,584	0 600	ő	pCi/L	1.00	0.542	42	70	0.420	0.070	0.19480	394747	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits				
Ва Саптег	0.0324				9		0.0339	95.6	40 -	110				
ab ID: 680-15	8587-2	А	nalyzed	10/12/18	12:37	De	ecay Correcte	ed: No			Ts:	1	00	2
Client ID: GWI-03	3(09272018)	D	etector:	Orange16	6	Yi€	eld Truncated	d: No			Tb:	1	000	0
Sigma: 2		D	il Fac:	1		Ca	elibration Typ	e: 2						
Analyte	Result	Count Unc		c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	CPMb	Eff	Anly Batch	
Radium-226	1.14	0.550	0 560	ō	pCi/L	1,00	0.628	33	89	0.330	0.089	0.19247	394747	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits				
Ва Саптег	0.0310				g		0 0339	91.4	40 -	110				
ab ID: 680-15			nalyzed	10/12/18	12:37	De	ecay Correcte	ed: No			Ts:	1	00	7
	UP(09272018	,	etector:	Orange17	7	Yie	eld Truncated	d: No			Tb:	1	000	5
Sigma: 2		D	il Fac:	1		Ca	alibration Typ	e: 2						
Analyte	Result	Count Unc		c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	Eff	Anly Batch	
Radium-226	1.79	0,631	0 65	<u> </u>	pCi/L	1.00	0.566	46	72	0 460	0 072	0 19268	394747	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Llmits				
Ba Carrier	0.0317				g		0 0339	93 5	40	110				

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TestAmerica St. Louis

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Gas Flow Proportional Counter Analysis Detail Report Prep Batch: 393205

ab ID:	LCS 160-393205/1-A	А	nalyzed	10/11/18	08:54	De	ecay Correcte	d: No			Ts:	200	
Client ID:		D	etector:	Blue0		Yie	eld Truncated	t: No			Tb.	1000	
Sigma:	2	D	il Fac:	í			alibration Type					1000	
							, iii. iii. iii. iii. iii. iii. iii. ii	-					
Analyte	LCS Result	Count Unc		c Qualifier	Unit	RL	MDC	Cs	Cb	CPMs	CPMb	Eff Anly Bato	
Ra-228	19.13	1.03	2.0		pCi/L	1.00	0.453	1537	384	7.685	0.384	0.44525 39428	96
Carrier	LCS Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added		% Rec				
Ва	0.03460				g		0 0339	102		110			
Y	0 02250				g		0.0268	84 1	40 -	110			
_ab ID:	680-158587-1	А	nalyzed	10/11/18	08:56	De	ecay Correcte	d: No			Tso	200	
Client ID:	GWI-02(09272018)	D	etector:	Blue6			eld Truncated				Tb	1000	
Sigma:	2	D	il Fac:	1			alibration Type					.000	
Analyte	Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	Сь	CPMs	СРМЬ	Eff Anly Bato	:h
Ra-228	0 00514	0.235	0 23	5 U	pCi/L	1.00	0 425	70	348	0.350		0.44362 39428	
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added		% Rec		111-10	5	_
Ва	0 0368				9		0 0339	109		110			
Υ	0.0217				g		0 0268	81,1	40 -				
				_									
Lab ID:	680-158587-2		nalyzed	10/11/18	08:56		ecay Correcte				Ts.	200	2
Client ID:	GWI-03(09272018)		etector:	Blue7			eld Truncated				Tb	1000	•
Sigma:	2	D	il Fac:	1		Ca	alibration Typ	e: 1					
Analyte	Result	Count Unc		c Qualifler	Unit	RL	MDC	Cs	СЬ	CPMs	CPMb	Eff Anly Bato	:h
Ra-228	0.0747	0.273	0.27	3 U	pCi/L	1.00	0.476	88	412	0 440	0 412	0 43745 39428	36
Carrier	Result	Count Unc	Total Un	c Qualifier	Unit	MDC	Spike Added	% Rec	% Rec	Limits			
Ba	0.0368				g		0 0339	109	40 -	110			
Y	0.0212				9		0 0268	79 3	40 -	110			
Lab ID:	680-158587-3	Α	nalyzed	10/11/18	08:56	De	ecav Correcte	d: No			Ts:	200	7
Client ID:	GWI-DUP(09272018)		etector:	Blue8			eld Truncated				Tb:	1000	3
Sigma:	2		il Fac:	1			alibration Type				,	, , , ,	
Analyte	Result	Count Unc	Total Un	c Qualifier	Unit	RL	MDC	Cs	СЬ	CPMs	СРМЬ	Eff Anly Bato	:h
Analyte	0.472	0.295	0.29	8	pCi/L	1.00	0.449	107	359	0.535		0.44512 39428	
Ra-228	0.412												
_	Result	Count Unc	Total Un	c Qualifler	Unit	MDC	Spike Added	% Rec	% Rec	Limits			
Ra-228		Count Unc	Total Un	c Qualifler	Unit	MDC	Spike Added 0 0339	% Rec 106		Limits 110			

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TestAmerica St. Louis

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GEL LABORATORIES LLC

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

Project:

Client ID:

TSTA00818

TSTA004

Certificate of Analysis

Report Date: October 10, 2018

Company:

TestAmerica Buffalo

Address:

10 Hazelwood Dr #106

Amherst, New York 14228

Contact:

Mr. John Schove Buffalo - Schove

Project: Client Sample ID:

Sample ID:

WY-LOC-2-09272018 (680-158549-1) 460807001

Matrix:

Water

Collect Date: Receive Date: 27-SEP-18 13:35 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 Urar	nium "As Received"										
Uranium		2.67	0.067	0.200	ug/L	1.00	t	SKJ 10/08/18	1920	1808984	6
The following Pr	ep Methods were per	rformed:									
Method	Description		0.1	Analyst	Date	7	Γime	Prep Batch			
EPA 200.2	ICP-MS 200.2	PREP	J	XM8	10/04/18	2	106	1808983			
The following A	nalytical Methods w	ere performed:									
Method	Description				7	Analyst	Cor	nments			
1	EPA 200.8										

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity MDC: Minimum Detectable Concentration Lc/LC: Critical Level

PF: Prep Factor RL: Reporting Limit

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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

Project:

Client ID:

TSTA00818

TSTA004

Certificate of Analysis

Report Date: October 10, 2018

Company:

TestAmerica Buffalo

Address:

10 Hazelwood Dr #106

Amherst, New York 14228

Contact: Project:

Mr. John Schove Buffalo - Schove

Client Sample ID:

WY-LOC-3-09272018 (680-158549-3)

Sample ID:

460807003

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 Urai	nium "As Received"										
Uranium		1.73	0.067	0.200	ug/L	1.00	1	SKJ 10/08/18	1928	1808984	1
The following Pr	rep Methods were pe	rformed:			-						
Method	Description	i		Analyst	Date	Т	آime	Prep Batcl	1		
EPA 200.2	ICP-MS 200.2	PREP		JXM8	10/04/18	2	106	1808983			
The following A	nalytical Methods w	ere performed:									
Method	Description		1		A	Analyst	Cor	nments			
1	EPA 200.8					7.00					

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity MDC: Minimum Detectable Concentration Lc/LC: Critical Level PF: Prep Factor

RL: Reporting Limit

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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

Project:

Client ID:

TSTA00818

TSTA004

Y

Certificate of Analysis

Report Date: October 10, 2018

Company Address:

TestAmerica Buffalo 10 Hazelwood Dr #106

Amherst, New York 14228

Contact: Project:

Mr. John Schove Buffalo - Schove

Client Sample ID:

WY-DUP-09272018 (680-158549-2)

Sample ID:

460807002

Matrix:

Water

Collect Date:

27-SEP-18 13:40 03-OCT-18

Receive Date: Collector:

Client

Parameter	Qualifier Result	DL	RL	Units	PF	DF	Analy	st Date	Time	Batch	Method
Metals Analysis-	ICP-MS										
200.2/200.8 Urar	nium "As Received"										
Uranium	2.67	0.067	0.200	ug/L	1.00	Ι	SKJ	10/08/18	1924	1808984	1
The following Pr	rep Methods were performed:										
Method	Description		Analyst	Date	7	Γime	Pro	ep Batch			
EPA 200,2	ICP-MS 200.2 PREP		JXM8	10/04/18	2	2106	180	08983			
The following A	nalytical Methods were perfor	med:									
Method	Description				Analyst	Coı	nments	3			
1	EPA 200.8										

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

SQL: Sample Quantitation Limit





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: Customer ID:

041830426

STLS77

Customer PO: Project ID:

Attn: John Schove

> TestAmerica Laboratories, Inc. 5102 LaRoche Avenue Savannah, GA 31404

Phone: Fax:

(912) 354-7858 (912) 352-0165

Collected: Received: 09/27/2018

Analyzed:

10/09/2018 10/11/2018

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)

ASBESTOS

							3DL3103		
Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered	Effective Filter Area	Area Analyzed	Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
		(ml)	(mm²)	(mm²)			MF	(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 particular required by the method w		sensitivity of 0.2	? MFL as						3
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 particular required by the method w	•	sensitivity of 0 2	? MFL as						2
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

All samples ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time

Analyst(s)

Ted Young

Benjamin Ellis, Laboratory Manager or Other Approved Signatory

Initial report from: 10/11/2018 10:15:04

Any questions please contact Benjamin Ellis.

Sample collection and containers provided by the client, acceptable bottle blank level is defined as <0 01MFL>10um ND=None Detected This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NYS ELAP 10872, NJ DEP 03036, FL DOH E87975, PA ID# 68-00367





St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

TestAmerica Buffalo

Printed On:

9/28/2018

Page 1 of 2

10 Hazelwood Drive Amherst ,NY 14228

Sample ID: Date Received: AY14809 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 Time:

09/27/2018 13:35

Collected by:

Collect Date:

Receipt Temp:

14 C on ice chilling

Water Source:

GW

Chlorinated. No

(518) 525-5479, 5480

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:

Х Exceeds maximum contamination limit Temperature outside specifications

Р Sample preserved at lab

S(+/-) Lab control sample outside acceptance limits (+ Result may be biased high / - Result may be biased low) R Duplication outside acceptance limits

Α Sample contained air bubble or headspace Z

Analysis is not state-certified M(+/-) Matrix spike recovery outside acceptance limits Hold time exceeded

В Analyte detected in blank

С Incorrect bottle received

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

St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

14 C on ice chilling

TestAmerica Buffalo Printed On: 9/28/2018 Page 1 of 2 Sample ID: AY14811 10 Hazelwood Drive Date Received: 09/27/2018 Amherst ,NY 14228

Time Received 16:11 Date Finalized: 9/28/2018

PO Number:

Receipt Temp:

Your Ref: ERM Hoosick Falls/68020710

Customer: TestAmerica Buffalo Collect Date: 09/27/2018 Owner. Collect Time: A&P-AWS-Hoosick Falls 14:30 Sample Loc:

Collected by: WY-LOC-3-09272018

Water Source: GW Potable: No Chlorinated: Field Residual Chlorine: Grab/Comp No 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:

Sample Pt:

(518) 525-5479, 5480

X Exceeds maximum contamination limit R Duplication outside acceptance limits Hold time exceeded Temperature outside specifications Α Sample contained air bubble or headspace В Analyte detected in blank Р Sample preserved at lab 7 Analysis is not state-certified С 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

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.)

WY-LOC-3-09272018

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

St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

TestAmerica Buffalo

Printed On: 9/28/2018 Page 1 of 2

10 Hazelwood Drive Amherst .NY 14228 Sample ID: Date Received:

AY14810 09/27/2018

Time Received: Date Finalized:

16:11

9/28/2018

PO Number:

Your Ref:

ERM Hoosick Falls/68020710

14 C on ice chilling

09/27/2018

Customer: Owner.

TestAmerica Buffalo A&P-AWS-Hoosick Falls

Sample Loc:

WY-DUP-09272018-MS

Sample Pt:

(518) 525-5479, 5480

WY-DUP-09272018-MS

Receipt Temp:

No

13:40

Water Source: Chlorinated:

GW No

Field Residual Chlorine.

Potable: Grab/Comp:

Collect Date:

Collect Time:

Collected by:

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:

Exceeds maximum contamination limit

Temperature outside specifications

Sample preserved at lab S(+/-) Lab control sample outside acceptance limits

(+ Result may be biased high / - Result may be biased low)

R Duplication outside acceptance limits

Sample contained air bubble or headspace Α

7 Analysis is not state-certified M(+/-) Matrix spike recovery outside acceptance limits Н Hold time exceeded

В Analyte detected in blank

Ç Incorrect bottle received

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.

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%).

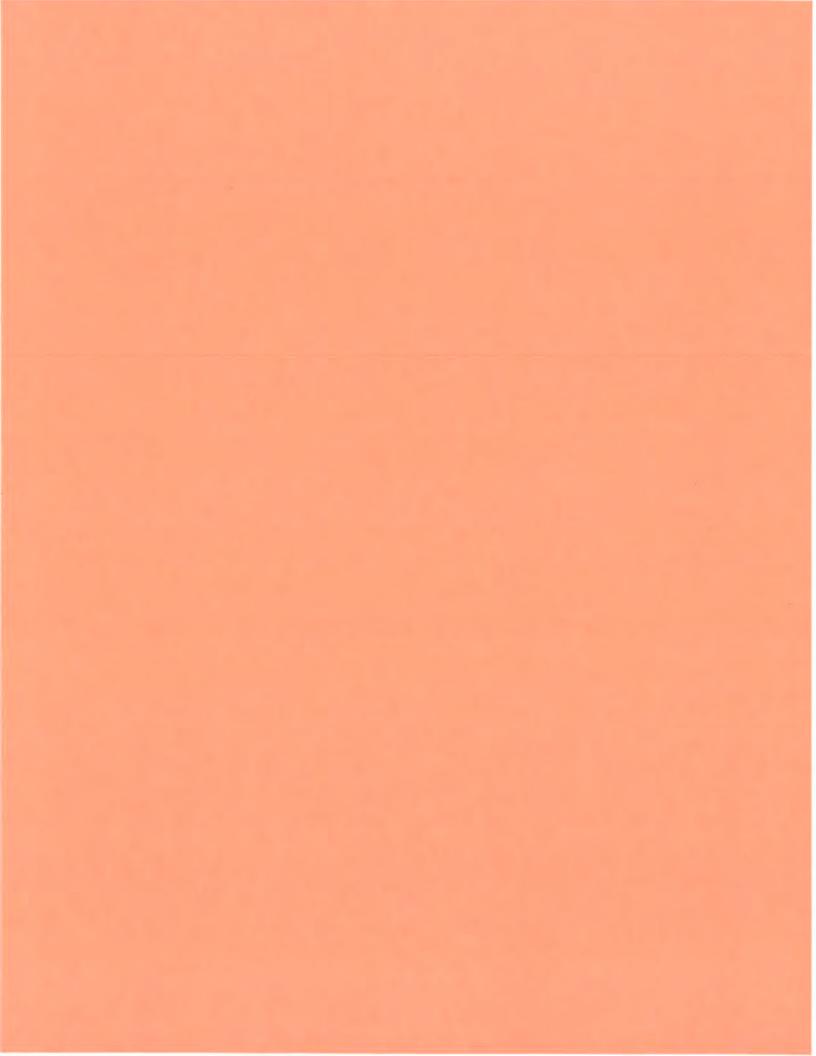
Surrogate Recoveries - All samples exhibited acceptable surrogate recoveries.

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

<u>Field Duplicate</u> - 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.



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	Ū	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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	2.9	U	19	2.9
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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

2

Lab Name: TestAmerica Sacramento Job No.: 680-158549-2

SDG No.: 680-158549-2

Client Sample ID: GWI-03(09272018)

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 304(mL)

Con. Extract Vol.: 10.00(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 253647

Lab Sample ID: 680-158587-2

Lab File ID: 2018.10.20LLB_014.d

Date Collected: 09/27/2018 14:30

Date Extracted: 10/11/2018 07:31

Date Analyzed: 10/20/2018 10:37

Dilution Factor: 1

GC Column: Acquity ID: 2.1(mm)

GPC Cleanup: (Y/N) N

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	JB-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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	2.5	U	16	2.5
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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

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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	2.7	U	17	2.7
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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

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.

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

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

<u>Surrogate Recoveries</u> - All samples exhibited acceptable surrogate recoveries except for the following.

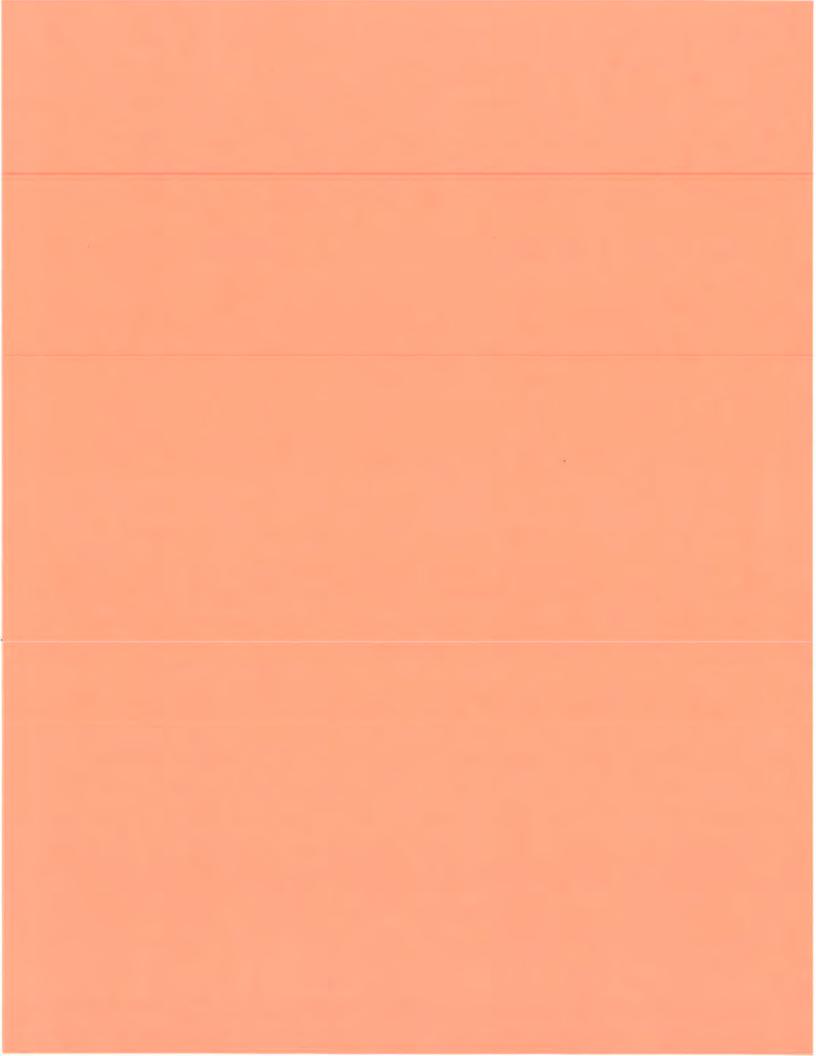
EDS Sample ID	Surrogate	%R	Qualifier
02	PFBA	21%	J
	PFTeA	23%	UJ
03	PFBA	21%	J

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

<u>Field Duplicate</u> - 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.



Lab File ID: 2018.11.17LLB 020.d

Date Analyzed: 11/18/2018 08:52

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

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)

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 d	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	Ū	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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	2.9	U	19	2.9
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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

Lab Name: TestAmerica Sacramento

Job No.: 320-44898-1

SDG No.:

Client Sample ID: GWI-05 (11012018)

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 253.9(mL)

Con. Extract Vol.: 10.00(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 262486

Lab Sample ID: 320-44898-2

1

Lab File ID: 2018.12.01LLA 030.d

Date Collected: 11/01/2018 14:30

Date Extracted: 11/13/2018 06:36

Date Analyzed: 12/02/2018 02:38

Dilution Factor: 1

GC Column: GeminiC18 3x100 ID: 3(mm)

GPC Cleanup: (Y/N) N

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	V 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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	3.1	U	20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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

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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	3.1	U	20	3.1
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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



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.

<u>Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)</u> - 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.

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

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

<u>Surrogate Recoveries</u> - 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%	4
5RE	13C4-PFBA	6%	J - Associated Compound
	D5-NETFOSAA	154%	None - Associated Compound NI
	13C2-6:2-FTS	463%	
	13C2-8:2-FTS	332%	
6	13C2-PFTEDA	163%	None - Associated Compound NI

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

<u>Field Duplicate</u> - Field duplicate samples GWI-03(11072018) and GWI-DUP(11072018) exhibited acceptable RPD values.

<u>Sample Analysis</u> - 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.

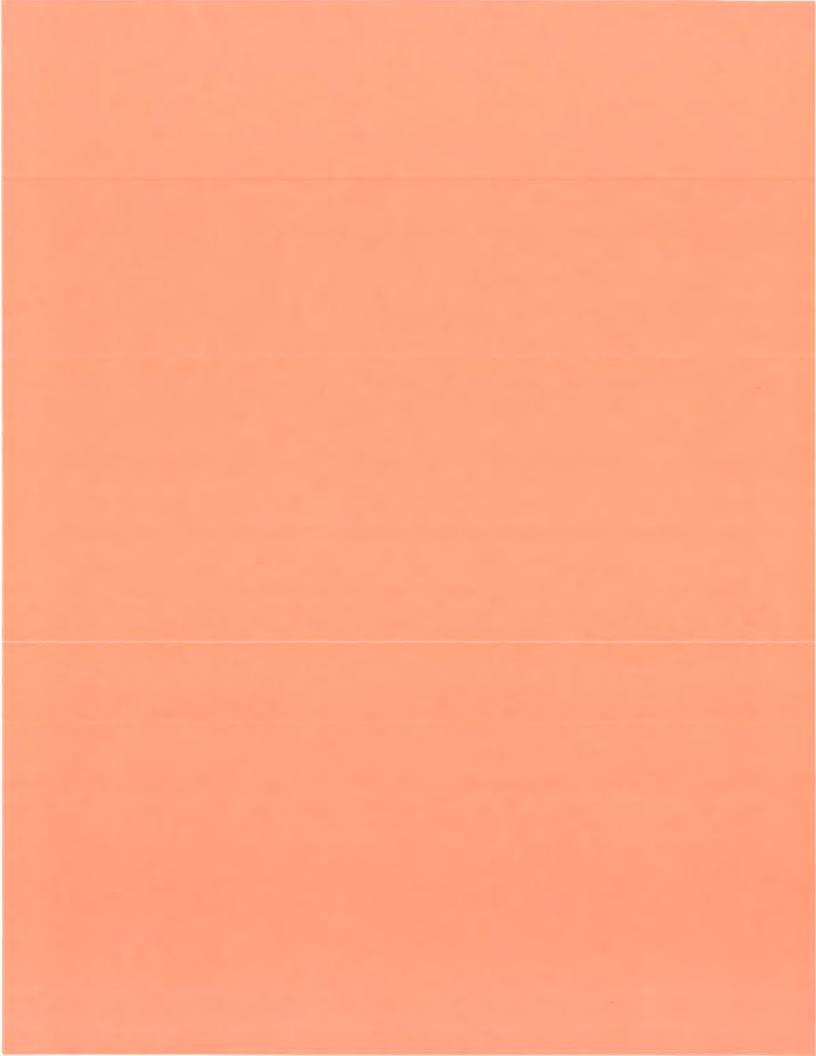
Initial Calibration (ICV) - The ICVs exhibited acceptable %R and/or correlation coefficients.

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.





Lancaster Laboratories Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17681 • 717-656-2380 • Fax: 717-656-4766 • www.EurofinsUS.com/LancLabsEnv

REVISED

Sample Description: GWI-01(11072018) Grab Groundwater

COC# 569815 **Hoosick Falls** Honeywell International, Inc. WW 9893939 ELLE Sample #: ELLE Group #: 2008124

Matrix: Groundwater

Project Name:

Hoosick Falls

Submittal Date/Time: Collection Date/Time: 11/10/2018 09:20 11/07/2018 09:45

SDG#: PFP45-01BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS/	/MS Miscellaneous EPA 537 V Modified	ersion 1.1	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 per	fluorooctanesulfonar	nidoacetic Acid.			
14473	NMeFOSAA	2355-31-9	0.89 U	0.89	2.7	1
	NMeFOSAA is the acronym for N-methyl	perfluorooctanesulfor	namidoacetic 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
outsic The re is also	ecovery for the labeled compound used as de the QC acceptance limits as noted on the ecovery for the labeled compound used as o outside the QC acceptance limits in the as natrix spike duplicate, indicating a matrix eff	e QC Summary. extraction standard sociated matrix spike				
Wet Ch	nemistry 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



Lancaster Laboratories Environmental

Analysis Report

Honeywell International, Inc.

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REVISED

WW 9893942

Sample Description: GWI-03(11072018) Grab Groundwater

COC# 569815 **Hoosick Falls**

ELLE Group #: 2008124 Matrix: Groundwater

ELLE Sample #:

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20 Collection Date/Time: 11/07/2018 11:14 PFP45-02

SDG#:

				Method	Limit of	
CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Dilution Factor
LC/MS	/MS Miscellaneous EPA 537	Version 1.1	ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersulfonate	27619-97-2	12	0.89	1.8	Ť
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	perfluorooctanesulfonar	midoacetic Acid_			
14473	NMeFOSAA	2355-31-9	0 89 U	0.89	2.7	4
	NMeFOSAA is the acronym for N-metl	nyl perfluorooctanesulfo	namidoacetic 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
	ecovery for labeled compound used as eside of QC acceptance limits as noted or					
Wet CI	nemistry 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

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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 Interna	tional, Inc.
ELLE Sample #:	WW 9893943
ELLE Group #:	2008124
Matrix: Groundwa	iter

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
.C/MS		A 537 Version 1.1 dified	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 perfluorooctanesulfona	midoacetic Acid.			
14473	NMeFOSAA	2355-31-9	0.90 U	0.90	2.7	1
	NMeFOSAA is the acronym for	N-methyl perfluorooctanesulfo	namidoacetic 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	3
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
Net C	hemistry SM	5310 C-2011	mg/l	mg/l	mg/l	
00273	Total Organic Carbon	n.a.	1.4	0.50	1.0	1
	EP	A 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	рН	n.a.	8.1	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670





Honeywell International, Inc.

ELLE Sample #:

Matrix: Groundwater

ELLE Group #:

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REVISED

WW 9893944

2008124

Sample Description:

GWI-04(11072018) Grab Groundwater

COC# 569815

Hoosick Falls

Project Name:

Hoosick Falls

Submittal Date/Time: Collection Date/Time:

11/10/2018 09:20 11/07/2018 15:25

SDG#:

PFP45-04

CAT No.	Analysis Name		CAS Number	Resu	lt	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS	/MS Miscellaneous	EPA 537 Vers	sion 1.1	ng/l		ng/l	ng/l	
14473	6:2 fluorotelomersulfonate	е	27619-97-2	0.96	U	0,96	1.9	1
14473	8:2 fluorotelomersulfonate	е	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 acrony	m for N-ethyl perflu	orooctanesulfonar	nidoacet	tic Acid.			
14473	NMeFOSAA		2355-31-9	0.96	U	0.96	2.9	1
	NMeFOSAA is the acrony	m for N-methyl per	fluorooctanesulfor	namidoa	cetic 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	1	307-55-1	0.48	U	0.48	1.9	1
14473	Perfluoroheptanesulfonat	е	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	Perfluorooctanesulfonam	ide	754-91-6	0.48	U	0.48	2.9	1
14473	Perfluoro-octanesulf	onate	1763-23-1	0.90	J	0.38	1.9	1
14473	Perfluorooctanoic ad	id	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 ad	oid	376-06-7	0.29	U	0.29	0.96	ň
14473	Perfluorotridecanoic acid		72629-94-8	0.38	U	0.38	0.96	1
14473	Perfluoroundecanoic acid	l	2058-94-8	0.38	U	0.38	1.9	1
Net Ch	nemistry	SM 5310 C-20	011	mg/l		mg/l	mg/l	
00273	Total Organic Carbon	า	n.a.	0.62	J	0.50	1.0	1
		EPA 170.1		Degr	ees C	Degrees C	Degrees C	
12151	Temperature of pH		n.a.	22.0		0.010	0.010	3
		SM 4500-H+	B-2011	Std.	Units	Std. Units	Std. Units	
12152	рН		n.a.	8.0		0.010	0.010	1

Sample Comments

State of New York Certification No. 10670



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Analysis Report

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REVISED

Sample Description: GWI-05(11082018) Grab Groundwater

COC# 569815 **Hoosick Falls**

Honeywell International, Inc. ELLE Sample #: WW 9893945 ELLE Group #: 2008124

Matrix: Groundwater

Project Name:

Hoosick Falls

	ion Date/Time:	11/10/2018 09:20 11/08/2018 13:48 PFP45-05				/ W	e and few to
CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS	/MS Miscellaneou	s EPA 537 Ver Modified	sion 1.1	ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersulfor		27619-97-2	0.88 U	0.88	1.8	1
14473	8:2 fluorotelomersulfor	nate	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 acro	nym for N-ethyl perflu	orooctanesulfona				ir.
14473	NMeFOSAA		2355-31-9	0.88 U	0.88	2.6	1
	NMeFOSAA is the acr	onym for N-methyl ne			0.00	2.0	il.
14473	Perfluorobutanesulfon		375-73-5	0.26 U	0.26	0.88	1
14473	Perfluorobutanoic		375-22-4	1.9 8 丁	1.8	5.3	3
14473	Perfluorodecanesulfor		335-77-3	0.53 U	0.53	1.8	1
14473	Perfluorodecaneic acid		335-76-2	0.79 U	0.53 5 0.79	1.8	4
14473	Perfluorododecanoic a		307-55-1	0.44 U	0.44		1
14473	Perfluoroheptanesulfo		375-92-8	0.35 U	0.35	1.8 1.8	3. *
14473			375-85-9	0.36 J	0.35	0.88	4
14473	Perfluoroheptanoi Perfluorohexanesulfor		355-46-4	0.36 J 0.35 U	0.35	1.8	
14473			307-24-4		0.05		1
14473	Perfluorohexanoio Perfluorononanoic acid		375-95-1	0.60 J 0.35 U	0.35	1.8 1.8	:! *
14473	Perfluorooctanesulfon	/	754-91-6	0.44 U	0.44	2.6	
14473	Perfluoro-octanesulfor		1763-23-1	0.35 U	0.35	1.8	4
14473			335-67-1			0.88	1
14473	Perfluorooctanoic Perfluoropentanoic ac	Control of the Contro	2706-90-3	4.8 1.8 U	0.26 1.8	5.3	1
14473	Perfluorotetradecano		376-06-7	0.26 U			<u>.</u>
14473	Perfluorotridecarioic a		72629-94-8	0.26 U	0.26	0.88	1
14473	Perfluoroundecanoic a				0.35	0.88	1
14473	remuoroundecanoic a	iciu	2058-94-8	0.35 U	0.35	1.8	1
Trial	IID: RE						SRE.
14473	6:2 fluorotelomersulfor	nate	27619-97-2	0.91 U	0.91	1.8	1
14473	8:2 fluorotelomersulfor	nate	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 acro	nym for N-ethyl perflu	orooctanesulfona	midoacetic Acid			
14473	NMeFOSAA		2355-31-9	0.91 U	0.91	2.7	1
	NMeFOSAA is the acr	onym for N-methyl ne			3.31		
14473	Perfluorobutanesulfon		375-73-5	0.27 U	0.27	0.91	1
14473	Perfluorobutanoic		375-22-4	3.1 A J	1.8	5.5	1
14473	Perfluorodecanesulfor		335-77-3	0.55 U	0.55		
14473	Perfluorodecanoic acid		335-76-2	0.82 U	0.82	1.8 1.8	1
14473	Perfluorododecanoic acid		307-55-1	0.46 U		1.8	1
14473	Perfluoroheptanesulfo		375-92-8	0.46 U	0.46		
14473	Perfluoroheptanesullo		375-92-8 375-85-9	0.37 U	0.37	1.8	1
14473	Perfluorohexanesulfor		375-65-9 355-46-4		0.37	0.91	.H.
17773	- eminoromexamesumor	iare	JJJ-40-4	0.37 U	0.37	1.8	1

^{*=}This limit was used in the evaluation of the final result



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Analysis Report

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Sample Description: GWI-05(11082018) Grab Groundwater

COC# 569815 Hoosick Falls ELLE Sample #: WW 9893945 ELLE Group #: 2008124 Matrix: Groundwater

Honeywell International, Inc.

Project Name: Hoosick Falls

Submittal Date/Time: 11
Collection Date/Time: 11
SDG#: PF

11/10/2018 09:20 11/08/2018 13:48

PFP45-05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS	ino inicocitatiocae —	A 537 Version 1.1 dified	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	27	1
14473	Perfluoro-octanesulfonate	1763-23-1	0.49 J	0.37	1.8	4
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	4
The r	ecovery for several labeled comp ards is outside of QC acceptance	ounds used as extraction limits as noted on the	00, 0	0.01	1.0	,
The restance QC SThis and a extra	ecovery for several labeled comp	ounds used as extraction limits as noted on the exaction was taken: e method holding time eled compounds used as acceptance limits. Both		0.57	1.0	
The restand QC S This and a extra	ecovery for several labeled comp ards is outside of QC acceptance ummary. The following corrective sample was re-extracted within th gain the recovery for several labe ction standards is outside of QC a of data are reported and included	ounds used as extraction limits as noted on the exaction was taken: e method holding time eled compounds used as acceptance limits. Both	mg/i	mg/l	mg/l	
The restand QC S This and a extra	ecovery for several labeled comp ards is outside of QC acceptance ummary. The following corrective sample was re-extracted within th gain the recovery for several labe ction standards is outside of QC a of data are reported and included	ounds used as extraction limits as noted on the action was taken: e method holding time eled compounds used as acceptance limits. Both in the data package.				1
The r stand QC S This and a extra sets	ecovery for several labeled compards is outside of QC acceptance ummary. The following corrective sample was re-extracted within the gain the recovery for several labeled of data are reported and included nemistry Total Organic Carbon	punds used as extraction limits as noted on the a action was taken: a method holding time eled compounds used as acceptance limits. Both in the data package.	mg/l	mg/l	mg/l	1
The r stand QC S This and a extra sets	ecovery for several labeled compards is outside of QC acceptance ummary. The following corrective sample was re-extracted within the gain the recovery for several labeled of data are reported and included nemistry Total Organic Carbon	ounds used as extraction limits as noted on the action was taken: a method holding time eled compounds used as acceptance limits. Both in the data package. 5310 C-2011 n.a.	mg/l 5.4	mg/ l 0.50	mg/l 1.0	1
The r stance QC S This and a extra sets wet CI 00273	ecovery for several labeled compards is outside of QC acceptance ummary. The following corrective sample was re-extracted within the gain the recovery for several labeled of data are reported and included nemistry Total Organic Carbon EPA Temperature of pH	ounds used as extraction limits as noted on the exaction was taken: emethod holding time eled compounds used as acceptance limits. Both in the data package. 5310 C-2011 n.a.	mg/l 5.4 Degrees C	mg/l 0.50 Degrees C	mg/I 1.0 Degrees C	

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

Modified

		Labo	oratory S	Sample Analys	sis 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 1 Modified	1	18314003	11/12/2018 18:15	Jason W Knight	1
14473	21 NY PFAS in Water	EPA 537 Version 1_1	2-RE	18318001	11/16/2018 03:56	Christine E Dolman	1

*=This limit was used in the evaluation of the final result





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Environmental

REVISED

Sample Description: GWI-DUP(11072018) Grab Groundwater

COC# 569815 Hoosick Falls Honeywell International, Inc.
ELLE Sample #: WW 9893946
ELLE Group #: 2008124

Matrix: Groundwater

Project Name: Hoosick Falls

Submittal Date/Time: 11/10/2018 09:20
Collection Date/Time: 11/07/2018 12:00
SDG#: PFP45-06FD

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS	/MS Miscellaneous	EPA 537 Ve Modified	ersion 1.1	ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersul	fonate	27619-97-2	13	0.90	1.8	1
14473	8:2 fluorotelomersulfona	te	39108-34-4	18 U	1 8	5.4	1
14473	NEtFOSAA		2991-50-6	0.90 U	0.90	2.7	1
	NEtFOSAA is the acrony	m for N-ethyl perl	fluorooctanesulfona	midoacetic Acid.			
14473	NMeFOSAA		2355-31-9	0.90 U	0.90	2.7	1
	NMeFOSAA is the acror	ıym for N-methyl μ	perfluorooctanesulfo	namidoacetic Acid.			
14473	Perfluorobutanesulfonate	е	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	Perfluorodecanesulfonat	e	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 aci	d	307-55-1	0.45 U	0.45	1.8	1
14473	Perfluoroheptanesulfona	te	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	Perfluorohexanesulfonat	e	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	Perfluorooctanesulfonan	nide	754-91-6	0.45 U	0.45	2.7	1
14473	Perfluoro-octanesulfona	te	1763-23-1	0.36 U	0.36	1 8	1
14473	Perfluorooctanoic a	cid	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 a	icid	376-06-7	0.27 U	0.27	0.90	1
14473	Perfluorotridecanoic acid	i	72629-94-8	0 36 U	0.36	0 90	1
14473	Perfluoroundecanoic aci	d	2058-94-8	0.36 U	0.36	1.8	1
	ecovery for labeled compo side of QC acceptance lim						
Net Cl	nemistry	SM 5310 C-	-2011	mg/l	mg/l	mg/l	
00273	Total Organic Carbo	n	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	рH		n.a.	8.9	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670



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WW 9893947

2008124

Sample Description: GWI-FB(11072018) Grab Water

COC# 569815 **Hoosick Falls** ELLE Sample #:

ELLE Group #: Matrix: Water

Project Name:

Hoosick Falls

Submittal Date/Time: Collection Date/Time: SDG#:

11/10/2018 09:20 11/07/2018 13:45 PFP45-07FB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
LC/MS		537 Version 1.1	ng/l	ng/l	ng/l	
14473	6:2 fluorotelomersulfonate	27619-97-2	0 91 U	0.91	1.8	4
14473	8:2 fluorotelomersulfonate	39108-34-4	1.8 U	18	5.4	1
14473	NEtFOSAA	2991-50-6	0.91 U	0.91	2.7	1
	NEtFOSAA is the acronym for N-	ethyl perfluorooctanesulfonar	nidoacetic Acid			
14473	NMeFOSAA	2355-31-9	0.91 U	0.91	2.7	1
	NMeFOSAA is the acronym for N	I-methyl perfluorooctanesulfo	namidoacetic 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	10
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	4
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	4
14473	Perfluoroundecanoic acid	2058-94-8	0,36 U	0.36	1.8	1
Wet Ch	nemistry SM 5	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	1500-H+ B-2011	Std. Units	Std. Units	Std. Units	
12152	рН	n a.	6.0	0 010	0.010	1

Sample Comments

State of New York Certification No. 10670



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Sample Description: GWI-EB(11072018) Grab Water

COC# 569815 **Hoosick Falls** Honeywell International, Inc. ELLE Sample #: WW 9893948 ELLE Group #: 2008124

Matrix: Water

Project Name:

Hoosick Falls

Collection Date/Time:

11/10/2018 09:20

Submittal Date/Time: 11/07/2018 16:00 SDG#: PFP45-08EB

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	e 27619-97-2	0.85 U	0.85	1.7	1
14473	8:2 fluorotelomersulfonate	e 39108-34-4	1.7 U	1.7	5.1	1
14473	NEIFOSAA	2991-50-6	0.85 U	0.85	2.5	1
	NEtFOSAA is the acrony	m for N-ethyl perfluorooctanesulfona	amidoacetic Acid.			
14473	NMeFOSAA	2355-31-9	0.85 U	0.85	2.5	1
	NMeFOSAA is the acrony	m for N-methyl perfluorooctanesulf	onamidoacetic 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	đ
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	i
14473	Perfluoroheptanesulfonat	e 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	Perfluorooctanesulfonam	ide 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 ad	cid 376-06-7	0.25 U	0.25	0.85	Ĩ
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
Vet Ch	nemistry	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	pН	n.a.	5.7	0.010	0.010	1

Sample Comments

State of New York Certification No. 10670

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York	Date: <u>January 9, 2019</u>
SDG: PFP46	

Laboratory: Eurofins, Lancaster, Pennsylvania

EDS	Client	Laboratory	Matrix
Sample ID	Sample ID	Sample Numbers	
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.

<u>Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)</u> - 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.

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.

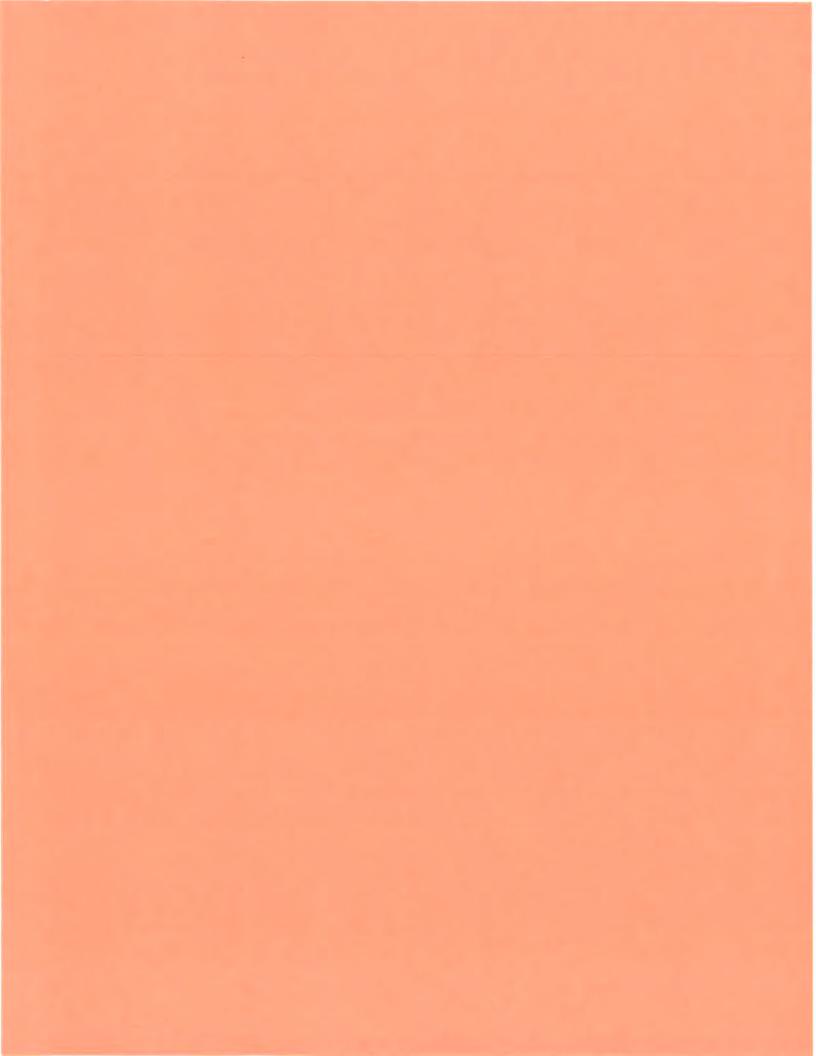
Equipment Blank (EB) - Field QC samples were not analyzed for wet chemistry.

<u>Initial Calibration (ICV)</u> - 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.

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.





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Analysis Report

Honeywell International, Inc.

ELLE Sample #:

Matrix: Groundwater

ELLE Group #:

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REVISED

WW 9893949

2008125

Sample Description:

GWI-06(11092018) Grab Groundwater

COC# 569816

Hoosick Falls

Project Name:

Hoosick Falls

Submittal Date/Time: Collection Date/Time: 11/10/2018 09:20 11/09/2018 14:17

SDG#:

PFP46-01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
_C/MS	/MS Miscellaneous EPA 533 Modifie	7 Version 1.1 d	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	perfluorooctanesulfona	midoacetic Acid.			
14473	NMeFOSAA	2355-31-9	0.91 U	0.91	2.7	3
	NMeFOSAA is the acronym for N-met	thyl perfluorooctanesulfo	namidoacetic 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	4
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	71
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	4
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	21.1
14473	Perfluoropentanoic acid	2706-90-3	1.8 U	1.8	5.4	3
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
Vet Ch	nemistry 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	D.1	Degrees C	Degrees C	Degrees C	
12151	Temperature of pH	n.a.	21.6	0.010	0.010	1
	SM 4500	D-H+ B-2011	Std. Units	Std. Units	Std. Units	
12152	На	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



DATA USABILITY SUMMARY REPORT (DUSR)

Site:	Arnold & Porter, Hoosick, New York	Date:	June 17, 2019	

SDG: <u>680-168507-1</u>

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

<u>Initial Calibration (ICAL)</u> - 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

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

Field Duplicate - The field duplicate samples were not collected.

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

<u>Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)</u> - 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.

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

<u>Continuing Calibration (CCAL)</u> - 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.

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.

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

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

Field Duplicate - Field duplicate samples were not collected.

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.

<u>Holding Times (HT)</u> - 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.

<u>Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)</u> - 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	
1	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.

<u>Initial Calibration (ICAL)</u> - 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.

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

Field Duplicate - Field duplicate samples were not collected.

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

<u>Surrogate Spikes</u> - 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.

<u>Initial Calibration (ICAL)</u> - 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.

<u>Field Duplicate</u> - Field duplicate samples were not collected.

<u>Sample Analysis</u> - 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.

<u>Initial and Continuing Calibration (ICV/CCV)</u> - 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).

<u>Field Duplicate</u> - Field duplicate samples were not collected.

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.

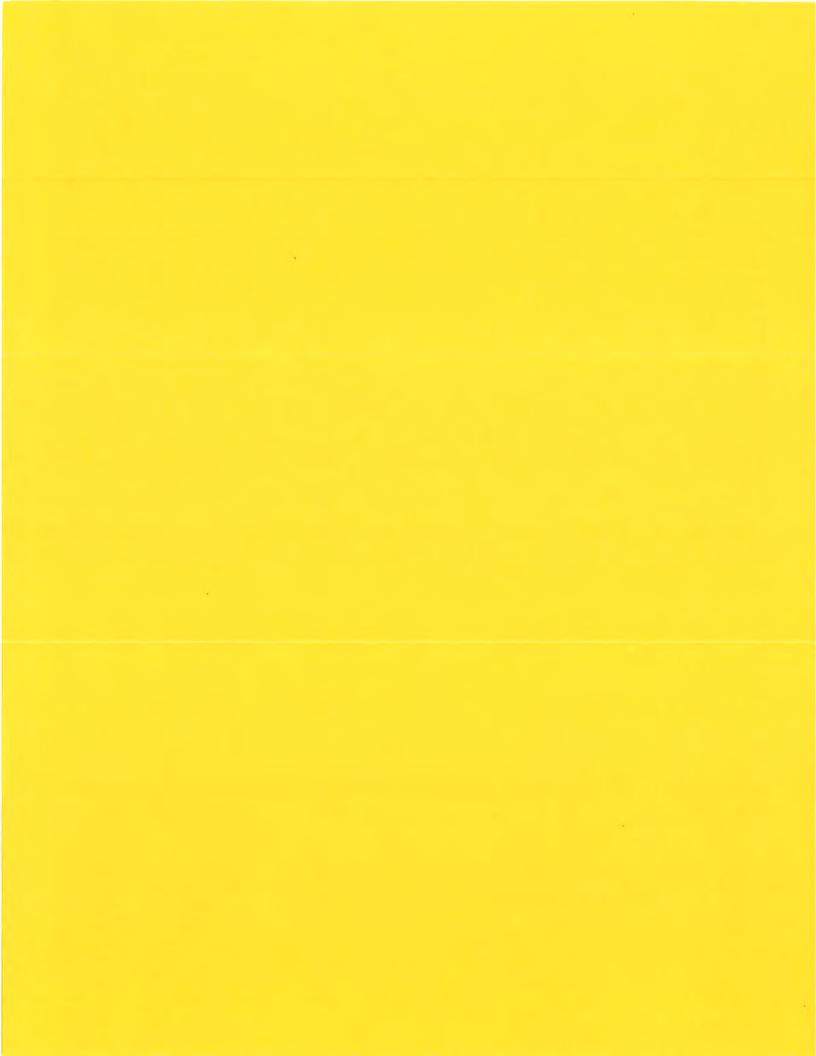
Equipment Blank (EB) - Equipment blank samples were not analyzed.

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

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

<u>Field Duplicate</u> - The field duplicate samples were not collected.

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.



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: ma/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	BTHU	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

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

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	Ü	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

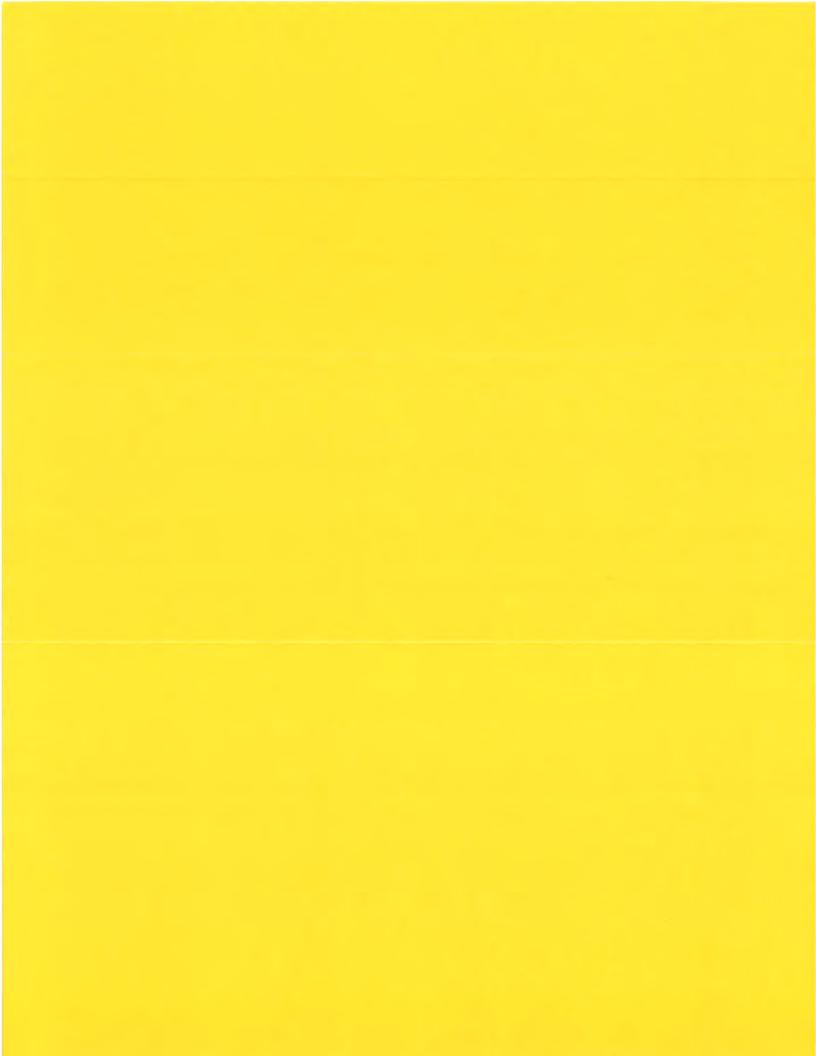
Lab Name: Eurofins TestAmerica, Savannah	Job No.: 680-168507-1
SDG No.:	
Client Sample ID: Trip Blank	Lab Sample ID: 680-168507-2
Matrix: Water	Lab File ID: UE0928.D
Analysis Method: 524.2	Date Collected: 05/02/2019 00:00
Sample wt/vol: 5(mL)	Date Analyzed: 05/09/2019 19:30
Soil Aliquot Vol:	Dilution 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	Ū	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 U	J 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

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



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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Client Sample ID: LaCroix Test Well Lab Sample ID: 680-168507-1

(05022019)

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 U. 002	0.00077	JBU	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

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: Yel009.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 Ratch 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

Lab Name: Eur	ofins 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: 1	RE07020	.D					
Analysis Meth	od: 548.1	Date Collected	05/02	/2019 09:0	0				
Extract. Meth	od: 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 Vol	ume: 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	UEI	10	6.3				

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	BTE	u J 1.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
600-05-5	2,3-Dibromopropionic acid	73		70-130

Lab Name: Eur	ofins TestAmerica, Savannah	Job No.: 680-168507-1						
SDG No.:								
Client Sample	ID: LaCroix Test Well (05022019)	Lab Sample ID: 680-168507-1						
Matrix: Water	trix: 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 Vol	ume:	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

STL01558

Total Haloacetic Acids

Total Haloacetic Acids 5

1.0

1.0

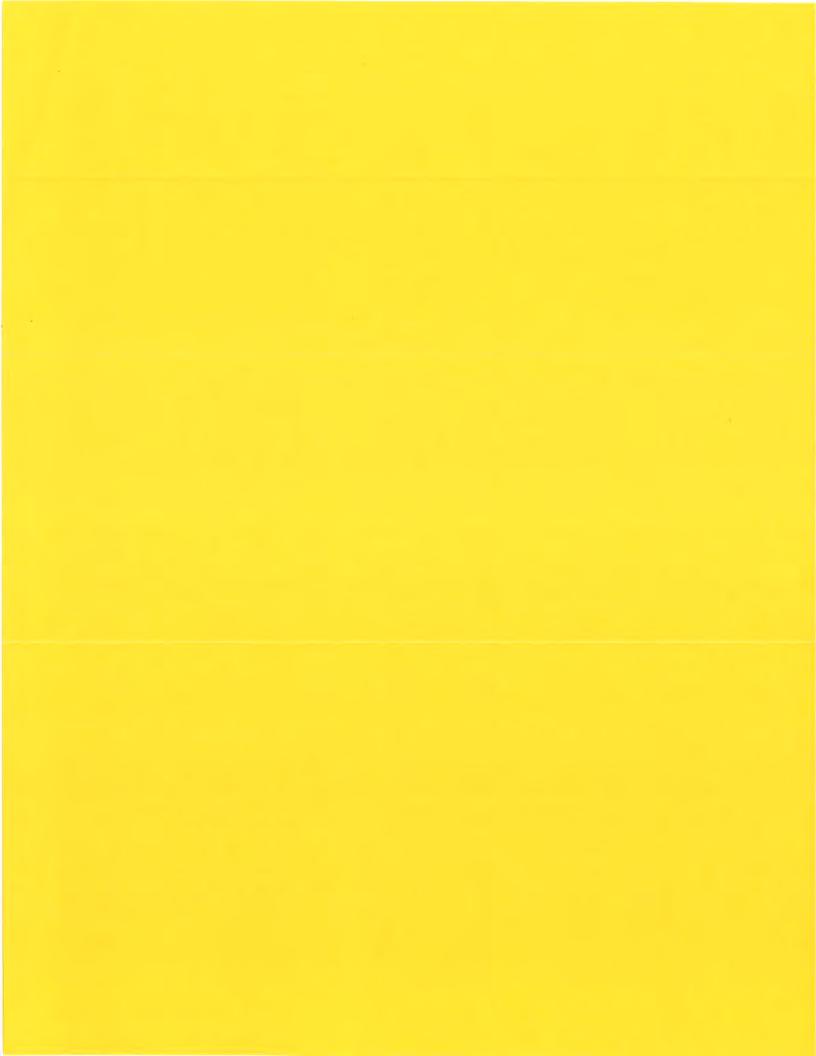
1.0 U

1.0 U

0.38

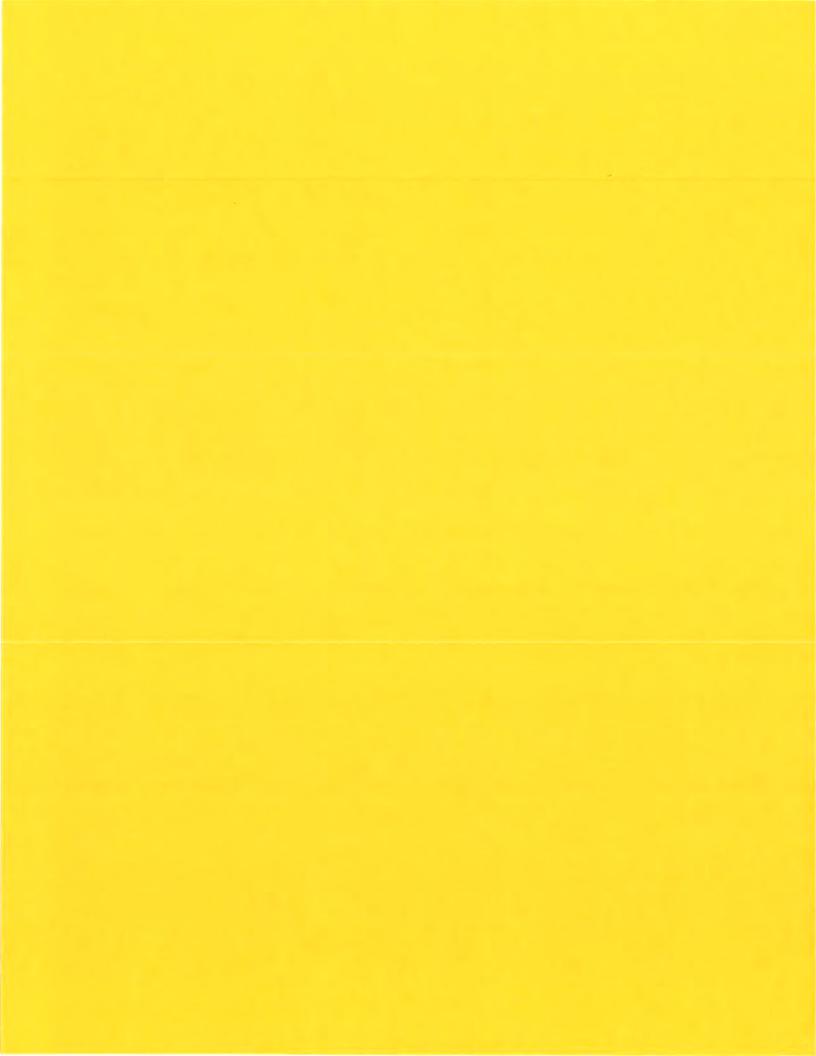
0.38

Lab Name: Eu	rofins TestAmerica, Savannah	annah 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: 1	L9GE03015	.D				
Analysis Method: 8015C		Dat	e Collected	d: 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		Uni	ts: 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

Lab Name: Eurofins TestAmerica, Knoxville		dol	Job No.: 680-16850/-1					
SDG No.:								
Client Sample	e ID: LaCroix Test Well (05022019)	Lab Sample ID: 680-168507-1						
Matrix: Wate:	Matrix: Water		File ID: 6	80-1685	507-	d-1-a.d		
Analysis Method: 1613B		Date	e Collected	: 05/02	2/20	19 09:00)	
Extract. Method: HRMS-Sepf		Date	e Extracted	: 05/06	5/20	19 11:4	4	
Sample wt/vol: 1049.7(mL)		Date	e Analyzed:	05/14/	/201	9 14:17		
Con. Extract Vol.: 20(uL)			ition Facto	r: 1				
Injection Volume: 1(uL)		Level: (low/med) Low						
% Moisture: GPC			GPC Cleanup: (Y/N) N					
Analysis Bate	ch No.: 30019	Unit	s: pg/L					
CAS NO.	COMPOUND NAME		RESULT	Q		RL	EDL	
1746-01-6	2,3,7,8-TCDD	Ī	9.5	U		9.5	0.27	
CAS NO.	ISOTOPE DILUTION			%RE	С	Q	LIMITS	
76523-40-5	13C-2,3,7,8-TCDD			71		25-164		
CAS NO.	SURROGATE			%RE	С	Q	LIMITS	
85508-50-5	37C14-2,3,7,8-TCDD				85		35-197	



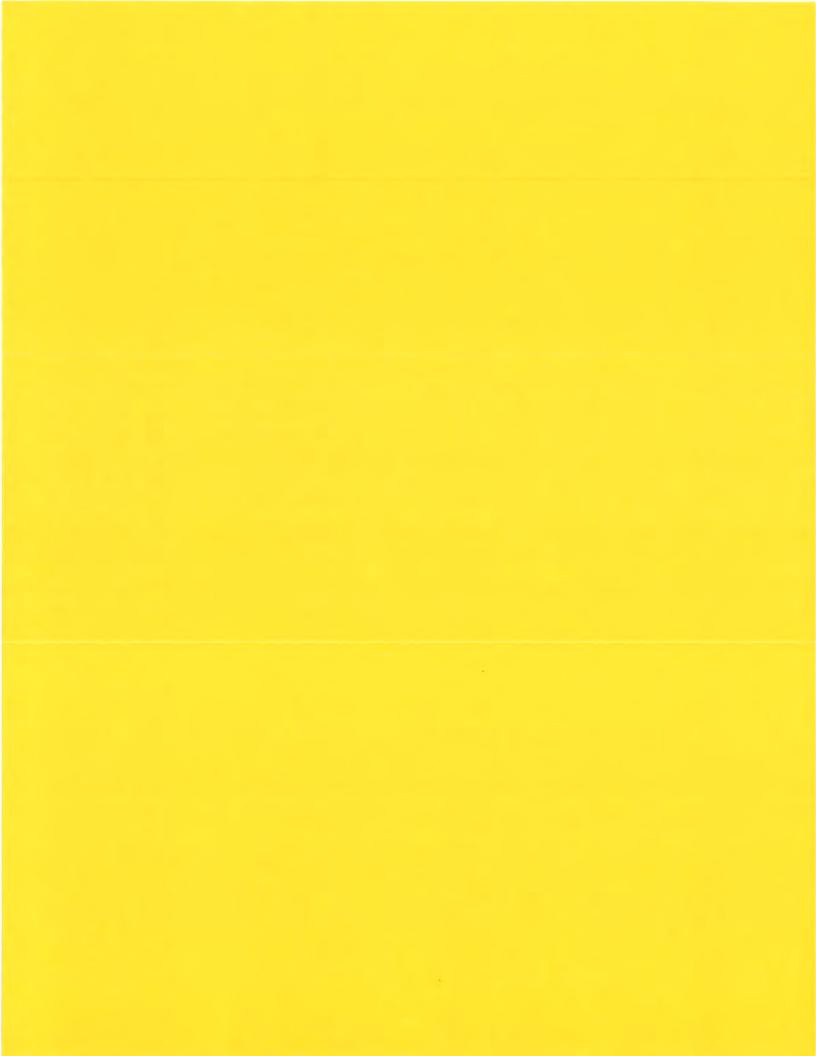
FORM I PESTICIDES/PCBS ORGANICS ANALYSIS DATA SHEET

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: <u>JE13056.d</u>				
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	I I 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	UTH	0.000024	0.0000021
58-89-9	gamma-BHC (Lindane)	0.000024	UTH	0.000024	0.0000023
76-44-8	Heptachlor	0.000024	UTL	0.000024	0.0000061
1024-57-3	Heptachlor epoxide	0.000024	UTH	0.000024	0.0000016
72-43-5	Methoxychlor	0.000024	U TH	0.000024	0.0000075
12674-11-2	PCB-1016	0.00048	J PL 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

ab 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	UI	0.0025	0.00025
116-06-3	Aldicarb	0.0025	UTE	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 TA	0.0025	0.00025
1563-66-2	Carbofuran	0.0025	U	0.0025	0.00025
16752-77-5	Methomyl	0.0025	U TXL	0.0025	0.00050
23135-22-0	Oxamyl	0.0025	U 🏋	0.0025	0.00037



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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1

SDG No.:

Matrix: Water

% Moisture:

Analysis Method: 515.1

Extraction Method: 515.1
Sample wt/vol: 1029.8(mL)

Con. Extract Vol.: 10(mL)
Injection Volume: 1(uL)

Client Sample ID: LaCroix Test Well

(05022019) RE

Lab Sample ID: 680-168507-1 RE

Lab File ID: SE280022.D

Date Collected: 05/02/2019 09:00

Date Extracted: 05/22/2019 10:41

Date Analyzed: 05/28/2019 20:45

Dilution Factor: 1/

GC Column: DB-35MS ID: 0.32 (mm)

GPC Cleanup: (Y/N) N

ch No.: 572016	Units: mg/L			
COMPOUND NAME	RESULT	Q	RL	MDL
Dalapon	0.0049	W HC 1	0.0049	0.00097
Dinoseb	0.00097	V HT	0.00097	0.00015
Pentachlorophenol	0.00019	UHT	0.00019	0,000037
Picloram	0.00049	UAT	0.00049	0.000075
Silvex (2,4,5-TP)	0.00024	WAT	0.00024	0.000058
	COMPOUND NAME Dalapon Dinoseb Pentachlorophenol Picloram	COMPOUND NAME RESULT Dalapon	COMPOUND NAME RESULT Q	COMPOUND NAME RESULT Q RL

Lab Name: Eurofins TestAmerica, Savannah		Job No.	Job No.: 680-168507-1					
SDG No.:								
Client Sampl	e ID: LaCroix Test Well (05022019)	Lab Sample ID: 680-168507-1						
Matrix: Wate	r	Lab Fil	e ID: S	E160016.	D			
Analysis Met	Date Co	llected	05/02/	2019 09:00				
Extraction M	ethod: 515.1	Date Extracted: 05/15/2019 10:45				5		
Sample wt/vo	1: 992.8(mL)	Date Analyzed: 05/16/2019 23:51						
Con. Extract	Vol.: 10(mL)	Dilutio	n Facto	or: 1				
Injection Vo	lume: 1(uL)	GC Colu	ımn: DB-	35MS	ID: 0.	32 (mm)		
% Moisture:		GPC Cle	eanup:(Y	/N) N				
Analysis Bat	Units: ug/L							
CAS NO.	COMPOUND NAME	R	ESULT	Q	RL	MDL		
1918-00-9	Dicamba		0.50	U	0.50	0.086		

182

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1 SDG No.: Client Sample ID: LaCroix Test Well Lab Sample ID: 680-168507-1 RE (05022019) RE Matrix: Water Lab File ID: SE280022.D Analysis Method: 515.1 Date Collected: 05/02/2019 09:00 Date Extracted: 05/22/2019 Extraction Method: 515.1 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: ug/L

CAS NO.	COMPOUND NAME		RESULT	Q	RL	MDL
1918-00-9	Dicamba	/	0.49	U HT U	J 0.49	0.083

Page 1406 of 3668

Lab Name: Eu	ab Name: Eurofins TestAmerica, Savannah			Job No.: 680-168507-1					
SDG No.:									
Client Sampl	e ID: LaCroix Test Well (05022019)	Lab Sample ID: 680-168507-1							
Matrix: Water			Lab File ID: SE160016.D Date Collected: 05/02/2019 09:00						
Analysis Method: 515.1			e Collected	1: 05/02/2	2019 09:0	o reality			
Extraction M	ethod: 515.1	Date Extracted: 05/15/2019 10:45				45			
Sample wt/vo	1: 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	GPC Cleanup: (Y/N) N						
Analysis Bat	ch No.: 570724	Uni	ts: mg/L						
CAS NO.	COMPOUND NAME		RESULT	Q	RL	MDL			
94-75-7	2,4-D 0.00	0050	0.00018	TBU	0.00050	0.000037			
			/						
CAS NO.	SURROGATE	SURROGATE		%REC	Q	LIMITS			
19719-28-9	2,4-Dichlorophenylacetic acid	1		81	0	70-130			

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Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1 SDG No.: Client Sample ID: LaCroix Test Well Lab Sample ID: 680-168507-1 RE (05022019) 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. RESULT COMPOUND NAME Q RL MDL 94-75-7 2,4-D 0.00033 JHT J 0.00049 0.000036

SURROGATE

2,4-Dichlorophenylacetic acid

8REC

130

Q

LIMITS

70-130

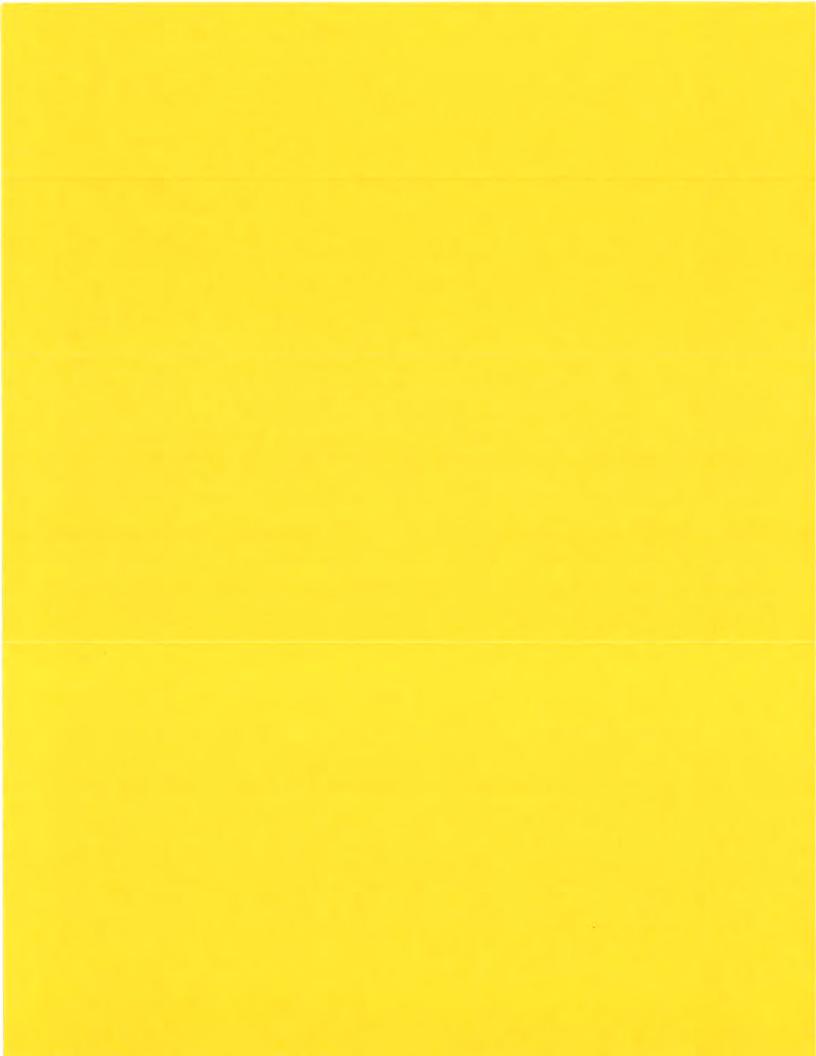
NW 61241	19
Page 1415 of	

CAS NO.

19719-28-9

Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 680-168507-1					
SDG No.:							
Client Sampl	e ID: LaCroix Test Well (05022019)	Lab	Sample ID:	680-16	8507-1		
Matrix: Wate	er	Lab	File ID: 1	R050927	. D		
Analysis Met	hod: 547	Date Collected: 05/02/2019 09:00			0		
Extraction Method:		Date Extracted:					
Sample wt/vol: 1(mL)		Date Analyzed: 05/09/2019 13:37					
Con. Extract	Vol.: 1(mL)	Dil	ution Facto	r: <u>1</u>			
Injection Vo	olume: 1(uL)	GC	Column: K C	ation E	exchg ID: 4	(mm)	
% Moisture:		GPC	Cleanup: (Y	/N) N			
Analysis Bat	cch No.: 569623	Units: ug/L					
CAS NO.	COMPOUND NAME		RESULT	Q	RL	MDL	
1071-83-6	Glyphosate	25 U 25 5					

Lab Name: Eur	ofins TestAmerica, Savannah	Job	No.: 680-1	68507-1				
SDG No.:		50						
Client Sample	ID: LaCroix Test Well (05022019)	Lab	Sample ID:	680-16	8507-1			
Matrix: Water		Lab	File ID: 1	к050918	.D			
Analysis Meth	od: 549.2	Dat	e Collected	: 05/02	/2019 09:0	0		
Extraction Me	thod: 549.2	Date Extracted: 05/06/2019 07:07						
Sample wt/vol	: 250(mL)	Dat	e Analyzed:	05/09/	2019 15:32			
Con. Extract	Vol.: 10(mL)	Dil	ution Facto	r: 1				
Injection Vol	ume: 100(uL)	GC	Column: C-1	8	ID: 4	.6(mm)		
% Moisture:		GPC	Cleanup: (Y	/N) N				
Analysis Batc	h No.: 569713	Uni	ts: ug/L					
Ţ								
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

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	С	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	245.1-1: 94 R3.0

1A-IN INORGANIC ANALYSIS DATA SHEET METALS

Client Sample	lient Sample ID: LaCroix Test Well (05022019)				ID: 680-	168507-	1		
Lab Name: E	urofins TestAmerica, S	t. Louis		Job No.:	680-168507	-1			
SDG ID.:									
Matrix: Wate	er			Date Sampl	ed: 05/02	/2019	09:00		
Reporting Bas	sis: WET			Date Recei	ved: 05/0	3/2019	09:03		
CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7440-61-1	Uranium	4.6	1.0	0.40	ug/L			2	200.8

1B-IN INORGANIC ANALYSIS DATA SHEET GENERAL CHEMISTRY

Client Sample ID: LaCroix Test Well (05022019)				Lab Sample ID: 680-168507-1							
Lab Name: Euro	fins TestAmerica, S	avannah		Job No.: 680-168507-1							
SDG ID.:											
Matrix: Water				Date Sampl	led: 05/02	/2019	09:00				
Reporting Basis	: WET			Date Recei	ived: 05/0	3/2019	09:03				
CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method		

0.010

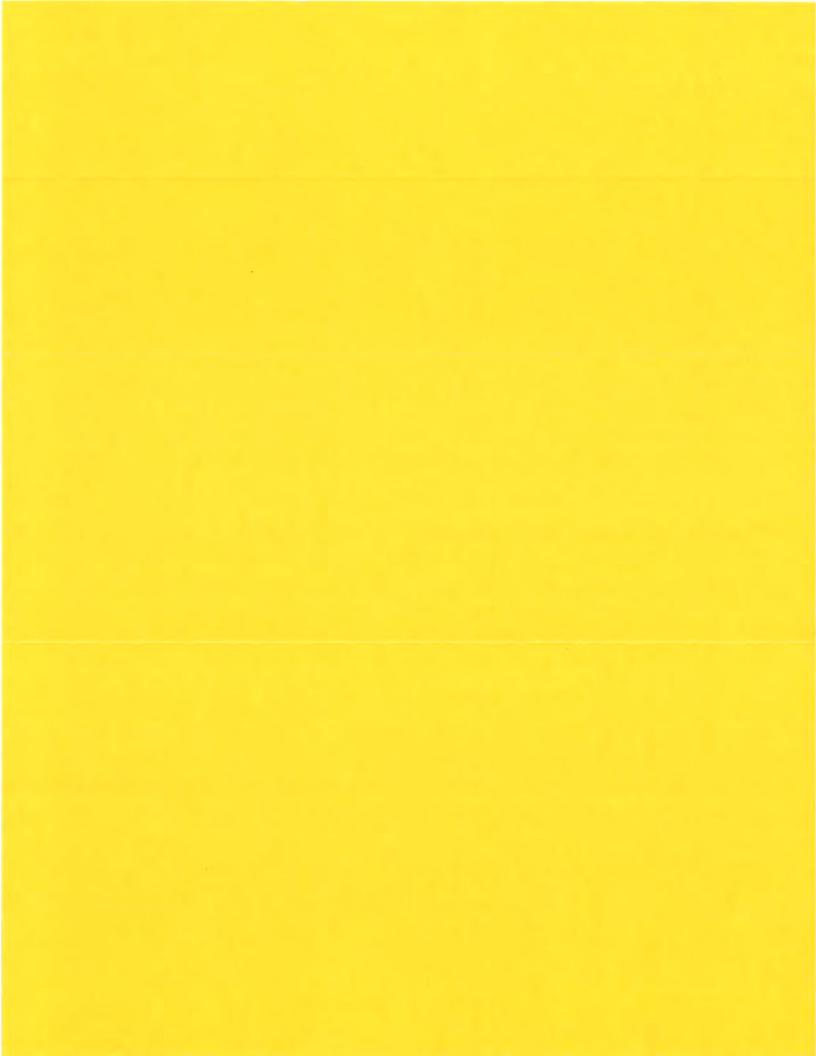
0.0025 mg/L

0.010

1 | 335.4

57-12-5

Cyanide, Total



Lab Name: Eurofins TestAmerica, Savannah	Job No.: 680-168507-1
SDG No.:	3000
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

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

Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 680-168507-1							
SDG No.:									
Client Sampl	e ID: LaCroix Test Well (05022019)	Lab Sample ID: 680-168507-1							
Matrix: Wate	r	Lab File ID: 0195.d							
Analysis Met	hod: 300.1B-1997 R1.	Date Collected: 05/02/2019 09:00							
Extraction M	lethod:	Date Extracted	d:						
Sample wt/vo	1: 5(mL)	Date Analyzed	: 05/12	/2019	01:55				
Con. Extract	Vol.: 5(mL)	Dilution Factor: 1							
Injection Volume: 25(uL) GC Column			GC Column: Dionex AS9-HC ID: 2(mm)						
% Moisture:		GPC Cleanup: (Y/N) N							
Analysis Bat	ch No.: 569941	Units: ug/L							
CAS NO.	COMPOUND NAME	RESULT	Q		RL	MDL			
15541-45-4	Bromate	5.0	UTL	R	5.0	2.5			
CAS NO.	SURROGATE		%RI	EC	Q	LIMITS			
79-43-6	Dichloroacetic acid(Surr)			99		90-115			

Lab Name: Eurofins TestAmerica, Savannah Job No.: 680-168507-1 SDG No.: Client Sample ID: LaCroix Test Well Lab Sample ID: 680-168507-1 (05022019)Lab File ID: 0033.d Matrix: Water Date Collected: 05/02/2019 09:00 Analysis Method: 300.1B-1997 R1. Extraction Method: Date Extracted: Date Analyzed: 05/14/2019 07:51 Sample wt/vol: 5(mL) Dilution Factor: 1 Con. Extract Vol.: 5(mL) GC Column: Dionex AS9-HC ID: 2(mm) Injection Volume: 25(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ug/L Analysis Batch No.: 570136 RL MDL RESULT 0 CAS NO. COMPOUND NAME 3.7 20 20 U 14998-27-7 Chlorite CAS NO. SURROGATE %REC LIMITS

110

79-43-6

Dichloroacetic acid(Surr)

90-115

1B-IN INORGANIC ANALYSIS DATA SHEET GENERAL CHEMISTRY

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	С	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	HP	1	SM 2150E



Client:

ASBESTOS IN DRINKING WATER ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

TestAmerica Savannah

5102 La Roche Avenue Savannah, GA 31404

Time Collected: Time Received: Time Filtered:

9:00 AM 8:40 AM 3:30 PM **Date Collected:** Date Received: Date Filtered:

Lab Code:

R190035 05-02-19 05-06-19

Time Analyzed: Avg Grid Opening Size: .0100 mm²

8:23 AM

Date Analyzed: Date Reported:

05-07-19 05-07-19 05-10-19

Project: Hoosick Falls Water Quality Testing, 68020710

TEM DRINKING WATER (EPA 100.2)

Client	Sample			# Of Grid	Total Area of	-				Confiden	ce Limit
ID Lab ID	Volume Filtered	Dilution Factor	Filter Area (mm²)	Openings Analyzed	Filter Examined	Sensitivity (MFL)	Asbestos Type	Cα >10 μm	oncentrati (MFL)	ion Lower	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

(518) 525-5479, 5480

St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

Printed On:

5/3/2019

Page 1 of 1

10 Hazelwood Drive Amherst ,NY 14228

TestAmerica Buffalo

Sample ID: Date Received: AZ05280 05/02/2019

Time Received: Date Finalized:

13:06

5/3/2019

PO Number:

Your Ref:

68021782

Customer:

TestAmerica Buffalo

Owner:

Hoosick Falls LaCroix Test Well

Sample Loc: Sample Pt:

LaCroix Test Well

Water Source Chlorinated:

DW Nο

Field Residual Chlorine:

Collect Date: Collect Time:

05/02/2019 09:00

Grab

Collected by: Receipt Temp:

Grab/Comp:

2.4 C on ice chilling

Potable: Yes

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:

Exceeds maximum contamination limit Temperature outside specifications

C(+/-) CCV outside acceptable limits

S(+/-) Lab control sample outside acceptance limits (+ Result may be biased high / - Result may be biased low) R Duplication outside acceptance limits

Α Sample contained air bubble or headspace Ζ

Analysis is not state-certified M(+/-) Matrix spike recovery outside acceptance limits Hold time exceeded

В Analyte detected in blank G Incorrect bottle received

Sample preserved at lab

Legend: < Less Than, > Greater Than

mg/L=PPM, ug/L=PPB

If no collection time was given, 00:00 is reported

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.

Environmental Laboratory Supervisor and contact person

If you have questions, please call.

(518) 525-5480 / 5479

John Wilson

Reviewed by Betty Sherman

These results relate to samples as received.

New York State DOH E.L.A.P. # 10350

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05/31/2019



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	Client	Laboratory	Matrix
Sample ID	Sample ID	Sample Numbers	
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.

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.



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	BU	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	JBU	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-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	<2.9		19	2.9
2991-50-6	N-ethylperfluorooctanesulfonamidoace tic 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



DATA USABILITY SUMMARY REPORT (DUSR)

Site: A	Arnold & Porter,	Hoosick,	New York	Da	ate: _	August 8, 2019	

SDG: <u>680-168507-3</u>

Laboratory: Eurofins Test America, Savannah, Georgia & Pace Analytical, Greensburg, PA

EDS	Client	Laboratory	Matrix
Sample ID	Sample ID	Sample Numbers	
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.

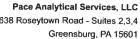
Continuing Calibration (CCV) - The CCVs exhibited acceptable percent recoveries (%R).

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.





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: 30311	425001 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) (pCi/L	07/02/19 17:3	12587-46-1	
Gross Beta	EPA 900.0	1.21 ± 0.591 (0.987) C:NA T:NA	pCi/L	07/02/19 17:3	3 12587-47-2	
Radium-226	EPA 903.1	-0.0713 ± 0.463 (1.00) (C:NA T:93%	pCi/L	07/08/19 12:18	3 13982-63-3	
Radium-228	EPA 904.0	-0.367 ± 0.309 (0.781) C:85% T:82%	pCi/L	07/11/19 15:13	3 15262-20-1	

REPORT OF LABORATORY ANALYSIS

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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	= 1

EDS Client		Laboratory	Matrix	
Sample ID	Sample ID	Sample Numbers	7777	
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.

<u>Initial Calibration (ICAL)</u> - 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

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

<u>Field Duplicate</u> - The field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable RPD values.

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

<u>Initial and Continuing Calibration (ICV/CCV)</u> - 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).

<u>Field Duplicate</u> - The field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable RPD values.

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.

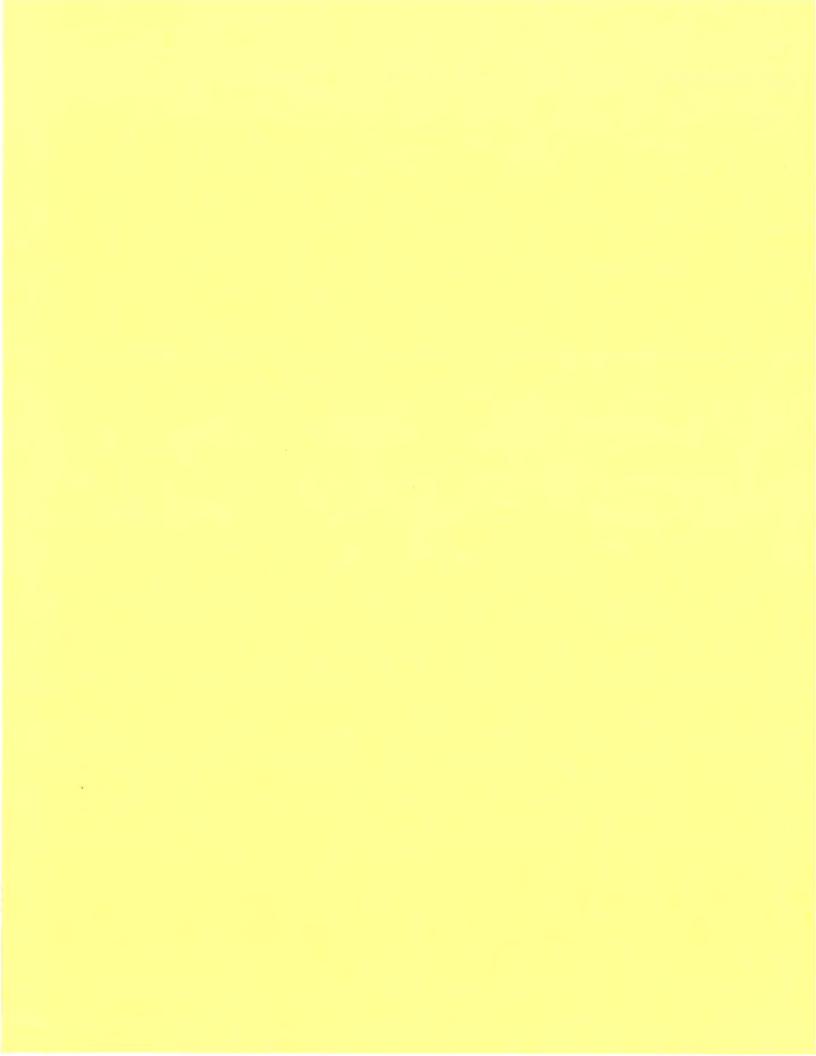
Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples For Wet Chem
FB (05072019)	Nitrogen, Kjeldahl	0.14	None	
EB (05072019)	None - ND	8	-	
EB (05082019)	None - ND			- ж

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

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

<u>Field Duplicate</u> - The field duplicate samples GWI-02 (05072019) and DUP (05072019) exhibited acceptable RPD values.

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.



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	W THI 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	Ū	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

Lab Name: Eurofins TestAmerica, Savannah	Job No.: 480-153202-1	
SDG No.:		
Client Sample ID: <u>GWI - 01 (05072019)</u>	Lab Sample ID: 480-15320	02-1
Matrix: Water	Lab File ID: UE2017.D	
Analysis Method: 524.2	Date Collected: 05/07/20	19 18:10
Sample wt/vol: 5(mL)	Date Analyzed: 05/20/201	.9 14:58
Soil Aliquot Vol:	Dilution Factor: 1	
Soil Extract Vol.:	GC Column: Rtx-624	ID: 0.18(mm)
% Moisture:	Level: (low/med) Low	

Units: mg/L

Analysis Batch No.: 571015

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	Ü	0.00050	0.00015
79-00-5	1,1,2-Trichloroethane	0.00050	U	0.00050	0.00016
79-01-6	Trichloroethene	0.00050	Ü	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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2 Lab File ID: UE2018.D Matrix: Water Date Collected: 05/07/2019 15:15 Analysis Method: 524.2 Date Analyzed: 05/20/2019 15:21 Sample wt/vol: 5(mL) Soil Aliquot Vol: Dilution Factor: 1 GC Column: Rtx-624 ID: 0.18 (mm) Soil Extract Vol.: % 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	l U	0.00050	0.000083
108-86-1	Bromobenzene	0.00050	U	0.00050	0.00009
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.0003
74-83-9	Bromomethane	0.0010	W ZA L	7 0.0010	0.0002
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.0001
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.0001
75-00-3	Chloroethane	0.0010	U	0.0010	0.0002
74-87-3	Chloromethane	0.00050	U	0.00050	0.0001
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.0001
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.0001
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.00009
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.00008
74-95-3	Dibromomethane	0.00050	U	0.00050	0.0001
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.0001
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.0001
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.0003
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.00007
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.00008
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.0001
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.0002
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.00009
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.00009
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Lab Sample ID: 480-153202-2 Client Sample ID: GWI - 02 (05072019) Lab File ID: UE2018.D Matrix: Water Date Collected: 05/07/2019 15:15 Analysis Method: 524.2 Date Analyzed: 05/20/2019 15:21 Sample wt/vol: 5(mL) Soil Aliquot Vol: Dilution Factor: 1 GC Column: Rtx-624 ID: 0.18(mm) Soil Extract Vol.: Level: (low/med) Low % Moisture: Units: mg/L Analysis Batch No.: 571015

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	Ü	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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Lab Sample ID: 480-153202-3 Client Sample ID: GWI - 03 (05072019) Lab File ID: UE2019.D Matrix: Water Date Collected: 05/07/2019 09:45 Analysis Method: 524.2 Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 15:45 Soil Aliquot Vol: Dilution Factor: 1 GC Column: Rtx-624 ID: 0.18(mm) Soil Extract Vol.: Level: (low/med) Low % Moisture: Units: mg/L Analysis Batch No.: 571015

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	UPH UT	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	0.0001
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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Client Sample ID: GWI - 03 (05072019) Lab Sample ID: 480-153202-3 Lab File ID: UE2019.D Matrix: Water Date Collected: 05/07/2019 09:45 Analysis Method: 524.2 Date Analyzed: 05/20/2019 15:45 Sample wt/vol: 5(mL) Dilution Factor: 1 Soil Aliquot Vol: GC Column: Rtx-624 ID: 0.18 (mm) Soil Extract Vol.: Level: (low/med) Low % Moisture: Units: mg/L Analysis Batch No.: 571015

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	UTLR	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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Lab Sample ID: 480-153202-4 Client Sample ID: GWI - 04 (05072019) Lab File ID: UE2020.D Matrix: Water Date Collected: 05/07/2019 17:15 Analysis Method: 524.2 Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:09 Dilution Factor: 1 Soil Aliquot Vol: GC Column: Rtx-624 ID: 0.18(mm) Soil Extract Vol.: Level: (low/med) Low % Moisture: Units: mg/L Analysis Batch No.: 571015

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	IL TH U	J 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	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.0001
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.0003
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.000078
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.00008
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.0001
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.0002
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.00009
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.00009
87-68-3	Hexachlorobutadiene	0,00050	U	0.00050	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

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Lab Name: Eurofins TestAmerica, Savannah	h 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	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	Ü	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

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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	II TH	7 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

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Lab Name: Eurofins TestAmerica, Savannah	, 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	Ü	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

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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 U	J 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



Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Lab Sample ID: 480-153202-6 Client Sample ID: GWI - 06 (05072019) Lab File ID: UE2022.D Matrix: Water Date Collected: 05/07/2019 15:10 Analysis Method: 524.2 Sample wt/vol: 5(mL) Date Analyzed: 05/20/2019 16:56 Soil Aliquot Vol: Dilution Factor: 1 GC Column: Rtx-624 ID: 0.18 (mm) Soil Extract Vol.: % Moisture: Level: (low/med) Low Units: mg/L Analysis Batch No.: 571015

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

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Lab Sample ID: 480-153202-7 Client Sample ID: DUP 05072019 Lab File ID: UE2023.D Matrix: Water Date Collected: 05/07/2019 00:00 Analysis Method: 524.2 Date Analyzed: 05/20/2019 17:20 Sample wt/vol: 5(mL) Dilution Factor: 1 Soil Aliquot Vol: GC Column: Rtx-624 ID: 0.18 (mm) Soil Extract Vol.: % 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	7 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

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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

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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	UTHL	7 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



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

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	UTHU	J 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	0.0001
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.0001
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	0.00008
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.0001
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.0002
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.00009
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.00009
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

Lab Name: Eurofins TestAmerica, Savannah Job No.: 480-153202-1 SDG No.: Lab Sample ID: 480-153202-9 Client Sample ID: EB 05072019 Lab File ID: UE2013.D Matrix: Water Date Collected: 05/07/2019 17:00 Analysis Method: 524.2 Date Analyzed: 05/20/2019 13:23 Sample wt/vol: 5(mL) Dilution Factor: 1 Soil Aliquot Vol: GC Column: Rtx-624 ID: 0.18 (mm) Soil Extract Vol.: Level: (low/med) Low % Moisture: Units: mg/L Analysis Batch No.: 571015

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	Ü	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 524.2

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	0.00009
74-97-5	Bromochloromethane	0.00050	U	0.00050	0.0003
74-83-9	Bromomethane	0.0010	II TH	J 0.0010	0.0002
56-23-5	Carbon tetrachloride	0.00050	U	0.00050	0.0001
108-90-7	Chlorobenzene	0.00050	U	0.00050	0.0001
75-00-3	Chloroethane	0.0010	U	0.0010	0.0002
74-87-3	Chloromethane	0.00050	U	0.00050	0.0001
95-49-8	2-Chlorotoluene	0.00050	U	0.00050	0.0001
106-43-4	4-Chlorotoluene	0.00050	U	0.00050	0.0001
156-59-2	cis-1,2-Dichloroethene	0.00050	U	0.00050	0.00009
10061-01-5	cis-1,3-Dichloropropene	0.00050	U	0.00050	0.00008
74-95-3	Dibromomethane	0.00050	U	0.00050	0.0001
95-50-1	1,2-Dichlorobenzene	0.00050	U	0.00050	0.0001
541-73-1	1,3-Dichlorobenzene	0.00050	U	0.00050	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	U	0.00050	0.0001
75-71-8	Dichlorodifluoromethane	0.00050	U	0.00050	0.0003
75-34-3	1,1-Dichloroethane	0.00050	U	0.00050	0.00007
107-06-2	1,2-Dichloroethane	0.00050	U	0.00050	0.00008
75-35-4	1,1-Dichloroethene	0.00050	U	0.00050	0.0001
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
142-28-9	1,3-Dichloropropane	0.00050	U	0.00050	0.0001
594-20-7	2,2-Dichloropropane	0.00050	U	0.00050	0.0002
563-58-6	1,1-Dichloropropene	0.00050	U	0.00050	0.00009
100-41-4	Ethylbenzene	0.00050	U	0.00050	0.00009
87-68-3	Hexachlorobutadiene	0.00050	U	0.00050	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.0002
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.0001
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0,0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

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	Ü	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

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 U	7 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	0.0001
106-46-7	1,4-Dichlorobenzene	0.00050	Ū	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	0.00013
78-87-5	1,2-Dichloropropane	0.00050	U	0.00050	0.00009
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	0.0002
98-82-8	Isopropylbenzene	0.00050	U	0.00050	0.0001
99-87-6	p-Isopropyltoluene	0.00050	U	0.00050	0.0002
75-09-2	Methylene Chloride	0.00050	U	0.00050	0.00020
1634-04-4	Methyl tert-butyl ether	0.00050	U	0.00050	0.00009
179601-23-1	m-Xylene & p-Xylene	0.00050	U	0.00050	0.00013
104-51-8	n-Butylbenzene	0.00050	U	0.00050	0.0001
103-65-1	N-Propylbenzene	0.00050	U	0.00050	0.0001
95-47-6	o-Xylene	0.00050	U	0.00050	0.00008
135-98-8	sec-Butylbenzene	0.00050	U	0.00050	0.0001
100-42-5	Styrene	0.00050	U	0.00050	0.00008

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



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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	49.0	10.0	4.6	ug/L	u		1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	υ		1	200.8-19 94 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L			1	200.8-19 94 R5.4
7440-39-3	Barium	251	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	Ū		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	Ü		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.28	0.40	0.12	ug/L	J		1	200.8-19 94 R5.4
7440-50-8	Copper	0.71	5.0	0.50	ug/L	J		1	200.8-19 94 R5.4
7439-92-1	Lead	0.093	0.30	0.060	ug/L	J		1	200.8-19 94 R5.4
7439-96-5	Manganese	506	2.5	1.2	ug/L			1	200.8-19 94 R5.4
7440-02-0	Nickel	1.5	5.0	0.40	ug/L	J		1	200.8-19 94 R5.4
7440-09-7	Potassium	1200	100	31.0	ug/L			1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	Ū		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	Ü		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-19 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0

1

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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	30.7	10.0	4.6	ug/L	u		1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	Ü		1	200.8-19 94 R5.4
7440-38-2	Arsenic	0.70	1.0	0.37	ug/L	J		1	200.8-19 94 R5.4
7440-39-3	Barium	188	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.20	0.40	0.12	ug/L	J		1	200.8-19 94 R5.4
7440-50-8	Copper	0.71	5.0	0.50	ug/L	J		1	200.8-19 94 R5.4
7439-92-1	Lead	0.085	0.30	0.060	ug/L	J		1	200.8-19 94 R5.4
7439-96-5	Manganese	441	2.5	1.2	ug/L			1	200.8-19 94 R5.4
7440-02-0	Nickel	1.3	5.0	0.40	ug/L	J		1	200.8-19 94 R5.4
7440-09-7	Potassium	4600	100	31.0	ug/L			1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U	TERM	1	200.8-19 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-19 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U	1 - 1	1	245.1-19 94 R3.0

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	С	Q	DIL	Method
7429-90-5	Aluminum	109	10.0	4.6	ug/L			1	200.8-19 94 R5.4
7440-36-0	Antimony	0.69	1.0	0.40	ug/L	J		1	200.8-19 94 R5.4
7440-38-2	Arsenic	2.1	1.0	0.37	ug/L			1	200.8-19 94 R5.4
7440-39-3	Barium	28.5	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	O		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-19 94 R5.4
7440-50-8	Copper	1.3	5.0	0.50	ug/L	J		1	200.8-19 94 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-19 94 R5.4
7439-96-5	Manganese	8.7	2.5	1,2	ug/L	и		1	200.8-19 94 R5.4
7440-02-0	Nickel	0.51	5.0	0.40	ug/L	J		1	200.8-19 94 R5.4
7440-09-7	Potassium	12200	100	31.0	ug/L		TE	1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	ū		1	200.8-19 94 R5.4
7440-62-2	Vanadium	4.0	1.0	0.30	ug/L			1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1: 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1 94 R3.0

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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	186	10.0	4.6	ug/L			1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-38-2	Arsenic	2.7	1.0	0.37	ug/L			1	200.8-1 94 R5.4
7440-39-3	Barium	105	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.25	0.40	0.12	ug/L	J		1	200.8-19 94 R5.4
7440-50-8	Copper	0.79	5.0	0.50	ug/L	J		1	200.8-19 94 R5.4
7439-92-1	Lead	0.14	0.30	0.060	ug/L	J	1-11	1	200.8-19 94 R5.4
7439-96-5	Manganese	379	2.5	1.2	ug/L			1	200.8-1: 94 R5.4
7440-02-0	Nickel	2.0	5.0	0.40	ug/L	J		1	200.8-1 94 R5.4
7440-09-7	Potassium	1310	100	31.0	ug/L			1	200.8-1 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-1 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	υ		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1 94 R5.4
7440-62-2	Vanadium	0.74	1.0	0.30	ug/L	J		1	200.8-1 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1: 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	Ū	1	1	245.1-1: 94 R3.0

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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	87000	10.0	4.6	ug/L			1	200.8-19 94 R5.4
7440-36-0	Antimony	0.46	1.0	0.40	ug/L	J		1	200.8-19 94 R5.4
7440-38-2	Arsenic	32.0	1.0	0.37	ug/L			1	200.8-19 94 R5.4
7440-39-3	Barium	983	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	4.9	0.40	0.15	ug/L			1	200.8-19 94 R5.4
7440-43-9	Cadmium	1.4	0.50	0.043	ug/L			1	200.8-19 94 R5.4
7440-47-3	Chromium	125	10.0	5.0	ug/L			5	200.8-19 94 R5.4
7440-48-4	Cobalt	47.6	0.40	0.12	ug/L			1	200.8-19 94 R5.4
7440-50-8	Copper	166	5.0	0.50	ug/L			1	200.8-19 94 R5.4
7439-92-1	Lead	80.1	0.30	0.060	ug/L			1	200.8-19 94 R5.4
7439-96-5	Manganese	3450	2.5	1.2	ug/L			1	200.8-19 94 R5.4
7440-02-0	Nickel	115	5.0	0.40	ug/L			1	200.8-15 94 R5.4
7440-09-7	Potassium	20800	500	155	ug/L			5	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L			1	200.8-19 94 R5.4
7440-22-4	Silver	0.41	1.0	0.10	ug/L	J		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.42	0.20	0.10	ug/L			1	200.8-19 94 R5.4
7440-62-2	Vanadium	92.3	5.0	1.5	ug/L			5	200.8-19 94 R5.4
7440-66-6	Zinc	353	20.0	2.8	ug/L			1	200.8-19 94 R5.4
7439-97-6	Mercury	0.10	0.20	0.080	ug/L	J		1	245.1-19 94 R3.0

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	С	Q	DIL	Method
7429-90-5	Aluminum	97.4	10.0	4.6	ug/L			1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L			1	200.8-19 94 R5.4
7440-39-3	Barium	203	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	Ü		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	a		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.18	0.40	0.12	ug/L	J		1	200.8-19 94 R5.4
7440-50-8	Copper	0.83	5.0	0.50	ug/L	J		1	200.8-1 94 R5.4
7439-92-1	Lead	0.078	0.30	0.060	ug/L	J		1	200.8-15 94 R5.4
7439-96-5	Manganese	349	2.5	1.2	ug/L			1	200.8-19 94 R5.4
7440-02-0	Nickel	1.2	5.0	0.40	ug/L	J		1	200.8-1: 94 R5.4
7440-09-7	Potassium	1330	100	31.0	ug/L			1	200.8-1 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	Ü		1	200.8-1: 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-1 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-1 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-1 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-1 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-1 94 R3.0

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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	31.8	10.0	4.6	ug/L	и		1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-38-2	Arsenic	0.83	1.0	0.37	ug/L	J		1	200.8-19 94 R5.4
7440-39-3	Barium	196	2.0	0.14	ug/L			1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.22	0.40	0.12	ug/L	J		1	200.8-19 94 R5.4
7440-50-8	Copper	0.74	5.0	0.50	ug/L	J		1	200.8-19 94 R5.4
7439-92-1	Lead	0.089	0.30	0.060	ug/L	J		1	200.8-19 94 R5.4
7439-96-5	Manganese	460	2.5	1.2	ug/L			1	200.8-19 94 R5.4
7440-02-0	Nickel	1.4	5.0	0.40	ug/L	J		1	200.8-19 94 R5.4
7440-09-7	Potassium	4760	100	31.0	ug/L			1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	Ü		1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	Ü		1	200.8-19 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0

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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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	10,0	10.0	4.6	ug/L	U		1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8-19 94 R5.4
7440-39-3	Barium	2.0	2.0	0.14	ug/L	U		1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-19 94 R5.4
7440-50-8	Copper	5.0	5.0	0.50	ug/L	U		1	200.8-19 94 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-19 94 R5.4
7439-96-5	Manganese	2.5	2.5	1.2	ug/L	U	= = 1	1	200.8-19 94 R5.4
7440-02-0	Nickel	5.0	5.0	0.40	ug/L	Ū		1	200.8-19 94 R5.4
7440-09-7	Potassium	100	100	31.0	ug/L	U		1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	ū		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	Ü		1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	Ū		1	200.8-19 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0

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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	С	Q	DIL	Method
7429-90-5	Aluminum	5.0	10.0	4.6	ug/L	J		1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8-19 94 R5.4
7440-39-3	Barium	2.0	2.0	0.14	ug/L	U		1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	Ü		1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	U		1	200.8-19 94 R5.4
7440-50-8	Copper	5.0	5.0	0.50	ug/L	Ü		1	200.8-19 94 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	U		1	200.8-19 94 R5.4
7439-96-5	Manganese	1.2	2.5	1,2	ug/L	J	01	1	200.8-19 94 R5.4
7440-02-0	Nickel	5.0	5.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-09-7	Potassium	100	100	31.0	ug/L	U		1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	Ü		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	U		1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	U		1	200.8-19 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0

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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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
7429-90-5	Aluminum	10.0	10.0	4.6	ug/L	U		1	200.8-19 94 R5.4
7440-36-0	Antimony	1.0	1.0	0.40	ug/L	U		1	200.8-19 94 R5.4
7440-38-2	Arsenic	1.0	1.0	0.37	ug/L	U		1	200.8-19 94 R5.4
7440-39-3	Barium	2.0	2.0	0.14	ug/L	U		1	200.8-19 94 R5.4
7440-41-7	Beryllium	0.40	0.40	0.15	ug/L	U		1	200.8-19 94 R5.4
7440-43-9	Cadmium	0.50	0.50	0.043	ug/L	U		-1	200.8-19 94 R5.4
7440-47-3	Chromium	2.0	2.0	1.0	ug/L	U		1	200.8-19 94 R5.4
7440-48-4	Cobalt	0.40	0.40	0.12	ug/L	Ū		1	200.8-19 94 R5.4
7440-50-8	Copper	5.0	5.0	0.50	ug/L	U		1	200.8-19 94 R5.4
7439-92-1	Lead	0.30	0.30	0.060	ug/L	Ū		1	200.8-19 94 R5.4
7439-96-5	Manganese	2.5	2.5	1.2	ug/L	ū		1	200.8-19 94 R5.4
7440-02-0	Nickel	5.0	5.0	0.40	ug/L	ū		1	200.8-19 94 R5.4
7440-09-7	Potassium	100	100	31.0	ug/L	U		1	200.8-19 94 R5.4
7782-49-2	Selenium	2.0	2.0	0.58	ug/L	U		1	200.8-19 94 R5.4
7440-22-4	Silver	1.0	1.0	0.10	ug/L	U		1	200.8-19 94 R5.4
7440-28-0	Thallium	0.20	0.20	0.10	ug/L	Ü		1	200.8-19 94 R5.4
7440-62-2	Vanadium	1.0	1.0	0.30	ug/L	Ū		1	200.8-19 94 R5.4
7440-66-6	Zinc	20.0	20.0	2.8	ug/L	Ü		1	200.8-19 94 R5.4
7439-97-6	Mercury	0.20	0.20	0.080	ug/L	U		1	245.1-19 94 R3.0



Client Sample ID:	GWI - 01 (05072019)	Lab Sampl	e ID:	480-153202-1
Lab Name: Eurofir	ns TestAmerica, Buffalo	Job No.:	480-15	53202-1

Reporting Basis: WET Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	Ü		1	353.2
14797-55-8 Ni	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	ゼルブ	HAP	1	SM 5210B

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	С	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nítrate 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	アルブ	HP	1	SM 5210B

Client Sample ID: GWI - 03 (05072019)

Lab Sample ID: 480-153202-3

Lab Name: Eurofins TestAmerica, Buffalo

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	С	Q	DIL	Method
14797-65-0	Nitrite as N	0.022	0.050	0.020	mg/L	7 7	нт тн	ĺ.	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	B UJ	HT.	1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	pus	HT	1	SM 5210B

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

CAS No	Analyte	Result	RL	MDL	Units	С	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	アルゴ	Br	1	SM 5210B

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

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	U		1	353.2
14797-55-8	Nítrate as N	0.040	0.050	0.020	mg/L	J		1	Nitrate by calc
	Biochemical Oxygen Demand	120	120	120	mg/L	Ū		20	SM 5210E
	Biochemical Oxygen Demand	30.0	30.0	30.0	mg/L	BUJ	HT	5	SM 5210E



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

Reporting Basis: WET

Date Sampled: 05/07/2019 15:10

CAS No.	Analyte	Result	RL	MDL	Units	С	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	YUJ	HT	1	SM 5210B

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	С	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	9 UJ	HT	1.	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	0	HT	1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	0 1	ŢΤ	1	SM 5210B



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	С	Q	DIL	Method
14797-65-0	Nitrite as N	0.050	0.050	0.020	mg/L	YUJ	HT	1	353.2
14797-55-8	Nitrate as N	0.050	0.050	0.020	mg/L	9	HT	1	Nitrate by calc
	Biochemical Oxygen Demand	2.0	2.0	2.0	mg/L	17 4	HT	1	SM 5210B

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

CAS No.	Analyte	Result	RL	MDL	Units	С	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	しいり	HT	1	SM 5210B

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Client Sample ID: EB 05082019

Lab Sample ID: 480-153202-11

Lab Name: Eurofins TestAmerica, Buffalo

SDG ID.:

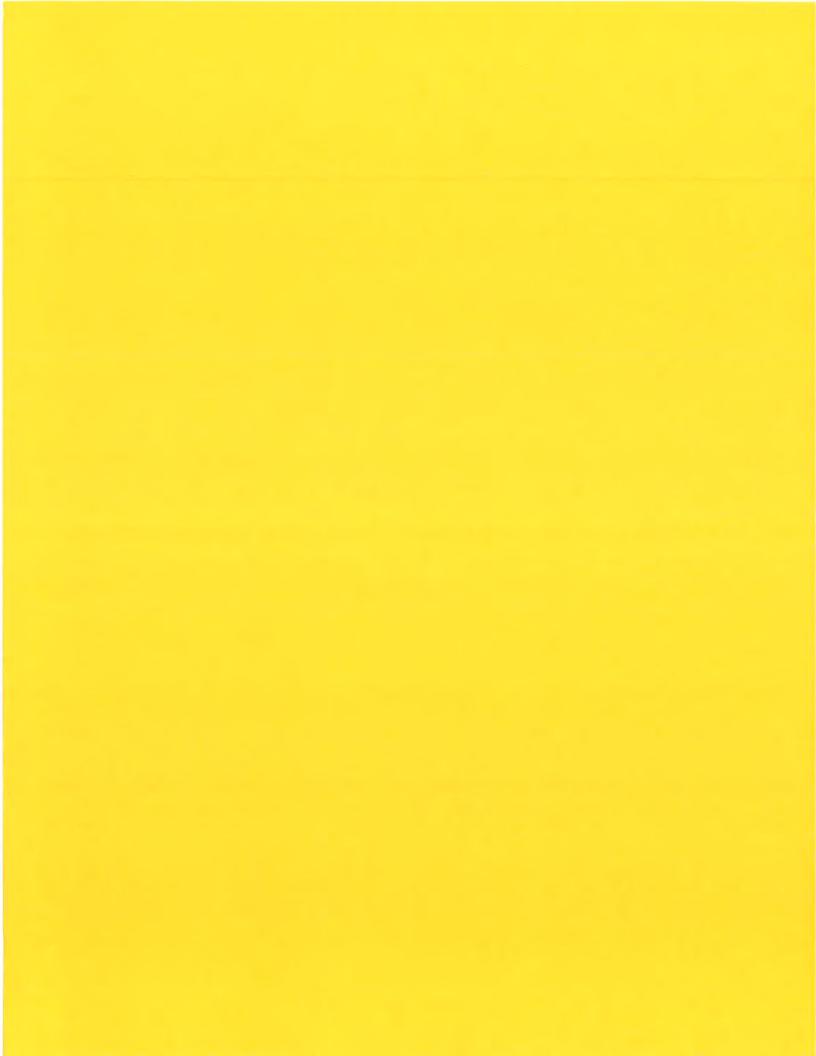
Matrix: Water

Date Sampled: 05/08/2019 13:30

Reporting Basis: WET

Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	С	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	ט		1	SM 5210B



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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.21	0.20	0.10	mg/L			1	351.2-19 93 R2.0
	Chemical Oxygen Demand	7.5	10.0	5.0	mg/L	J		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	206	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U	PA	1	4500 NH3 G-2011

Client Sample ID: GWI - 01 (05072019) Lab Name: Eurofins TestAmerica, Savannah			Lab Sample ID: 480-153202-1					
			Job No.: 480-153202-1					
SDG ID.:								
Matrix: Water			Date Sampled: 05/07/2019 18:10					
Reporting Basis	s: WET		Date Received: 05/09/2019 05:00					
CAS No.	Analyte	Result	Units C Q DIL Method					
	pH	8.1	SU HP 1 4500 H+					

Client Sample ID: GWI - 01 (05072019)	Lab Sample ID: 480-153202-1
Lab Name: Eurofins TestAmerica, Savannah SDG ID.: Matrix: Water	Job No.: 480-153202-1
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	С	Q	DIL	Method
	Specific Conductance	590	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	Ü		1	2510B-20 11
	Total Dissolved Solids	384	20.0	mg/L			1	2540C-20 11

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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.18	0.20	0.10	mg/L	J		1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	217	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia	0.18	0.25	0.10	mg/L	J		1	4500 NH3 G-2011

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Client Sample ID: GWI - 02 (05072019) Lab Name: Eurofins TestAmerica, Savannah			Lab Sample ID: 480-153202-2					
			Job No.: 480-153202-1					
SDG ID.:								
Matrix: Water			Date Sampled: 05/07/2019 15:15					
Reporting Bas:	is: WET		Date Received: 05/09/2019 05:00					
CAS No.	Analyte	Result	Units C Q DIL Metho	ıd				
	pH	8.1	SU HP 1 4500 H-	+				

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	С	Q	DIL	Method
	Specific Conductance	624	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	U		1	2510B-20 11
	Total Dissolved Solids	412	20.0	mg/L			1	2540C-20 11

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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.10	0.20	0.10	mg/L	J		1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	Ü		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	63.9	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	Ü	TH	1	4500 NH3 G-2011

Client Sample ID	lient Sample ID: GWI - 03 (05072019)		Job No.: 480-153202-3					
Lab Name: Eurofins TestAmerica, Savannah		avannah						
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 Metho	od.				
F	он	8.7	SU JHF 1 4500 H B-2011					

05/30/2019

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	С	Q	DIL	Method
	Specific Conductance	256	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	U		1	2510B-20 11
	Total Dissolved Solids	20.0	10.0	mg/L			1	2540C-20 11

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	WDL	Units	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.29	0.20	0.10	mg/L			1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	180	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia	0.15	0.25	0.10	mg/L	J		1	4500 NH3 G-2011

Client Sample I	ent Sample ID: GWI - 04 (05072019)		Job No.: 480-153202-1					
Lab Name: Eurofins TestAmerica, Savannah		avannah						
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 Met	hod				
	рН	8.2	SU 1 4500 B-20					

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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	С	Q	DIL	Method
	Specific Conductance	418	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	U		1	2510B-20 11
	Total Dissolved Solids	288	20.0	mg/L			1	2540C-20 11

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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	2.8	0.20	0.10	mg/L			1	351.2-19 93 R2.0
	Chemical Oxygen Demand	143	100	50.0	mg/L			10	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	6.3	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia	0.34	0.25	0.10	mg/L			1	4500 NH3 G-2011

Client Sample ID: GWI - 05 (05082019) Lab Name: Eurofins TestAmerica, Savannah		019)	Lab Sample ID: 480-153202-5				
		avannah	Job No.: 480-153202-1				
SDG ID.:							
Matrix: Water			Date Sampled: 05/08/2019 10:35				
Reporting Basi	s: WET		Date Received: 05/09/2019 05:00				
CAS No.	Analyte	Result	Units C Q DIL Meth	nod			
	pН	10.7	SU HF 1 4500				

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	С	Q	DIL	Method
	Specific Conductance	444	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	Ü		1	2510B-20 11
	Total Dissolved Solids	314	20.0	mg/L			1	2540C-20 11

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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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.18	0.20	0.10	mg/L	J		1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	U		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	290	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011



Client Sample ID: GWI - 06 (05072019) Lab Name: Eurofins TestAmerica, Savannah			Lab Sample ID: 480-153202-6			
			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			
1	oH.	8.1	SU HP 1 4500 H+ B-2011			



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	С	Q	DIL	Method
	Specific Conductance	582	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	U		1	2510B-20 11
	Total Dissolved Solids	390	20.0	mg/L			1	2540C-20 11



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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.24	0.20	0.10	mg/L			1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	Ū		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	209	5.0	5.0	mg/L			1	2320B-20 11
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

Client Sample ID: DUP 05072019 Lab Name: Eurofins TestAmerica, Savannah			Job No.: 480-153202-7						
Matrix: Water	•		Date Sampled: 05/07/2019 00:00						
Reporting Bas:	is: WET		Date Received: 05/09/2019 05:00						
CAS No.	Analyte	Result	Units C Q DIL Metho	d					
	pH	8.1	SU HF 1 4500 H-	+					

05/30/2019

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	С	Q	DIĻ	Method
	Specific Conductance	625	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	ū		1	2510B-20 11
	Total Dissolved Solids	398	20.0	mg/L			1	2540C-20 11

FORM IB-IN



Lab Sample ID: 480-153202-8
Job No.: 480-153202-1
Date Sampled: 05/07/2019 07:30
Date Received: 05/09/2019 05:00

CAS No.	Analyte	Result	RL	MDL	Units	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.14	0.20	0.10	mg/L	J		1	351.2-19 93 R2.0
	Chemical Oxygen	10.0	10.0	5.0	mg/L	U		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	5.0	5.0	5.0	mg/L	Ü		1	2320B-20 11
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011



Client Sample ID: FB 05072019 Lab Name: Eurofins TestAmerica, Savannah			Job No.: 480-153202-8 Job No.: 480-153202-1						
Matrix: Water			Date Sampled: 05/07/2019 07:30						
Reporting Basi	s: WET		Date Received: 05/09/2019 05:00						
CAS No.	Analyte	Result	Units C Q DIL Metho	od					
	рН	6.1	SU BF 1 4500 F B-2011						



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	С	Q	DIL	Method
	Specific Conductance	10.1	5.00	umhos/c			1	2510B-20 11
	Resistivity	0.200	0.200	Mohm-cm	U		1	2510B-20 11
	Total Dissolved Solids	5.0	5.0	mg/L	U		1	2540C-20 11

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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.20	0.20	0.10	mg/L	Ü		1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	Ü		1	410.4~19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	5.0	5.0	5.0	mg/L	ט		1	2320B-20 11
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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4500 H+

B-2011

Lab Sample ID: 480-153202-9 Client Sample ID: EB 05072019 Job No.: 480-153202-1 Lab Name: Eurofins TestAmerica, Savannah SDG ID.: Date Sampled: 05/07/2019 17:00 Matrix: Water Date Received: 05/09/2019 05:00 Reporting Basis: WET DIL Method Units С Result CAS No. Analyte

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Client Sample ID: EB 05072019

Lab Sample ID: 480-153202-9

Lab Name: Eurofins TestAmerica, Savannah

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	С	Q	DIL	Method
	Specific Conductance	5.00	5.00	umhos/c	U		1	2510B-20 11
	Resistivity	0.633	0.200	Mohm-cm			1	2510B-20 11
-	Total Dissolved Solids	5.0	5.0	mg/L	U		1	2540C-20 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	С	Q	DIL	Method
	Nitrogen, Kjeldahl	0.20	0.20	0.10	mg/L	U		1	351.2-19 93 R2.0
	Chemical Oxygen Demand	10.0	10.0	5.0	mg/L	Ü		1	410.4-19 93 R2.0
	Bicarbonate Alkalinity as CaCO3	5.0	5.0	5.0	mg/L	U		1	2320B-20 11
7664-41-7	Ammonia	0.25	0.25	0.10	mg/L	U		1	4500 NH3 G-2011

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Client Sample ID: EB 05082019 Lab Name: Eurofins TestAmerica, Savannah			Lab Sample ID: 480-153202-11 Job No.: 480-153202-1					
		avannah						
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				
	рН	6.2	SU HE 1	4500 H+				

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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	С	Q	DIL	Method
	Specific Conductance	5.00	5.00	umhos/c	Ü		1.	2510B-20 11
	Resistivity	0.885	0.200	Mohm-cm			1	2510B-20 11
	Total Dissolved Solids	5.0	5.0	mg/L	U		1	2540C-20 11



Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:						
Client Sampl	e ID: GWI - 01 (05072019)	Lab Sample ID: 480-153202-1				
Matrix: Wate	r	Lab File ID: 0080.d				
Analysis Met	hod: 300.0-1993 R2.1	Date Collected: 05/07/2019 18:10				
Extraction M	lethod:	Date Extracted:				
Sample wt/vo	ol: 5(mL)	Date Analyzed: 05/24/2019 06:10				
Con. Extract	Vol.: 5(mL)	Dilution Factor: 1				
Injection Vo	lume: 25(uL)	GC Column: Dio	nex AS18	ID: 4(1	mm)	
% Moisture:	3 	GPC Cleanup:(Y	/N) N			
Analysis Bat	ch No.: 571693	Units: mg/L				
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL	
14808-79-8	Sulfate	24		1.0	0.40	

0.40

2
15:15
06:23
ID: 4 (mm)
L

24

Sulfate

14808-79-8

2

MDL

0.40

RL

1.0

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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				

COMPOUND NAME

RESULT

23

CAS NO.

Sulfate

14808-79-8

Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:		=				
Client Sampl	e ID: GWI - 04 (05072019)	Lab Sample ID:	480-153	202-4		
Matrix: Wate	r	Lab File ID: 0082.d				
Analysis Met	hod: 300.0-1993 R2.1	Date Collected: 05/07/2019 17:15				
Extraction M		Date Extracted:				
Sample wt/vo	1: 5(mL)	Date Analyzed: 05/24/2019 06:35				
Con. Extract	Vol.: 5(mL)	Dilution Factor: 1				
Injection Vo	lumé: 25(uL)	GC Column: Dior	nex AS18	ID: 4(mm)	
% Moisture:		GPC Cleanup:(Y/	/N) N			
Analysis Bat	ch No.: 571693	Units: mg/L				
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL	
14808-79-8	Sulfate	27		1.0	0.40	

Lab Name: Eur	ofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:		***				
Client Sample	: ID: GWI - 05 (05082019)	Lab Sample ID:	480-153	3202-5		
Matrix: Water		Lab File ID: 00	083.d			
Analysis Meth	od: 300.0-1993 R2.1	Date Collected: 05/08/2019 10:35				
Extraction Me	ethod:	Date Extracted:				
Sample wt/vol	: 5(mL)	Date Analyzed: 05/24/2019 06:47				
Con. Extract	Vol.: 5(mL)	Dilution Factor: 1				
Injection Vol	ume: 25(uL)	GC Column: Dior	nex AS18	ID: 4(mm)	
% Moisture:	2	GPC Cleanup:(Y/	/N) N			
Analysis Bato	ch No.: 571693	Units: mg/L				
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL	
14808-79-8	Sulfate	150		1.0	0.40	

Lab Name: Eur	cofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:						
Client Sample	e ID: GWI - 06 (05072019)	Lab Sample ID: 480-153202-6				
Matrix: Water	2	Lab File ID: 0084.d				
Analysis Meth	nod: 300.0-1993 R2.1	Date Collected: 05/07/2019 15:10				
Extraction Me	ethod:	Date Extracted:				
Sample wt/vol	L: 5(mL)	Date Analyzed: 05/24/2019 07:00				
Con. Extract	Vol.: 5(mL)	Dilution Factor: 1				
Injection Vol	lume: 25(uL)	GC Column: Dione:	x AS18	ID: 4(1	mm)	
% Moisture:		GPC Cleanup:(Y/N) N			
Analysis Bato	ch No.: 571693	Units: mg/L				
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL	
14808-79-8	Sulfate	24		1.0	0.40	

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Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:		V				
Client Sampl	e ID: DUP 05072019	Lab Sample ID:	480-153	3202-7		
Matrix: Wate	r	Lab File ID: 0	085.d			
Analysis Met	hod: 300.0-1993 R2.1	Date Collected	: 05/07/	2019 00:00		
Extraction M	ethod:	Date Extracted	:			
Sample wt/vo	ol: 5(mL)	Date Analyzed:	05/24/2	2019 07:12		
Con. Extract	Extract Vol.: 5(mL) Dilution Factor: 1					
Injection Vo	lume: 25(uL)	GC Column: Dio	nex AS18	B 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	

Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:						
Client Sampl	e ID: FB 05072019	Lab Sample ID:	480-15	3202-8		
Matrix: Wate	r	Lab File ID: 0	086.d			
Analysis Met	hod: 300.0-1993 R2.1	Date Collected	: 05/07	/2019 07:3	0	
Extraction M	ethod:	Date Extracted:				
Sample wt/vol: 5(mL)		Date Analyzed: 05/24/2019 07:25				
		Dilution Factor: 1				
Injection Vo	lume: 25(uL)	GC Column: Dio	GC Column: Dionex AS18 ID: 4(mm)			
% Moisture:		GPC Cleanup:(Y	/N) N			
Analysis Bat	ch No.: 571693	Units: mg/L				
-						
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL	
14808-79-8	Sulfate	1.0	U	1.0	0.40	

Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:						
Client Sampl	e ID: EB 05072019	Lab Sample ID:	480-153	202-9		
Matrix: Wate	er	Lab File ID: 0	0087.d	x		
Analysis Met	hod: 300.0-1993 R2.1	Date Collected	05/07/	2019 17:00		
Extraction M	Method:	Date Extracted	1;			
Sample wt/vol: 5(mL)		Date Analyzed: 05/24/2019 07:37				
Con. Extract Vol.: 5(mL)		Dilution Factor: 1				
Injection Vo	olume: 25(uL)	GC Column: Dionex AS18 ID: 4 (mm)				
% Moisture:		GPC Cleanup:()	/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	

Lab Name: Eu	rofins TestAmerica, Savannah	Job No.: 480-153202-1				
SDG No.:						
Client Sampl	e ID: EB 05082019	Lab Sample ID: 4	480-1532	02-11		
Matrix: Wate	r	Lab File ID: 008	88.d			
Analysis Met	hod: 300.0-1993 R2.1	Date Collected:	05/08/2	019 13:30		
Extraction M	lethod:	Date Extracted:				
Sample wt/vol: 5(mL)		Date Analyzed: 05/24/2019 07:49				
Con. Extract Vol.: 5(mL)		Dilution Factor: 1				
Injection Vo	olume: 25(uL)	GC Column: Dionex AS18 ID: 4 (mm)				
% Moisture:		GPC Cleanup: (Y/N	N) N			
Analysis Bat	ch No.: 571693	Units: mg/L				
CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL	
14808-79-8	Sulfate	1.0 [U	1.0	0.40	



DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date:	Iune 17, 2019

SDG: 480-153202-2

Laboratory: Eurofins Test America, Burlington, Vermont

EDS	—— • Daboratory		Matrix
Sample ID	Sample ID	Sample Numbers	
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%).

<u>Surrogate Recoveries</u> - All samples exhibited acceptable surrogate recoveries except for the following.

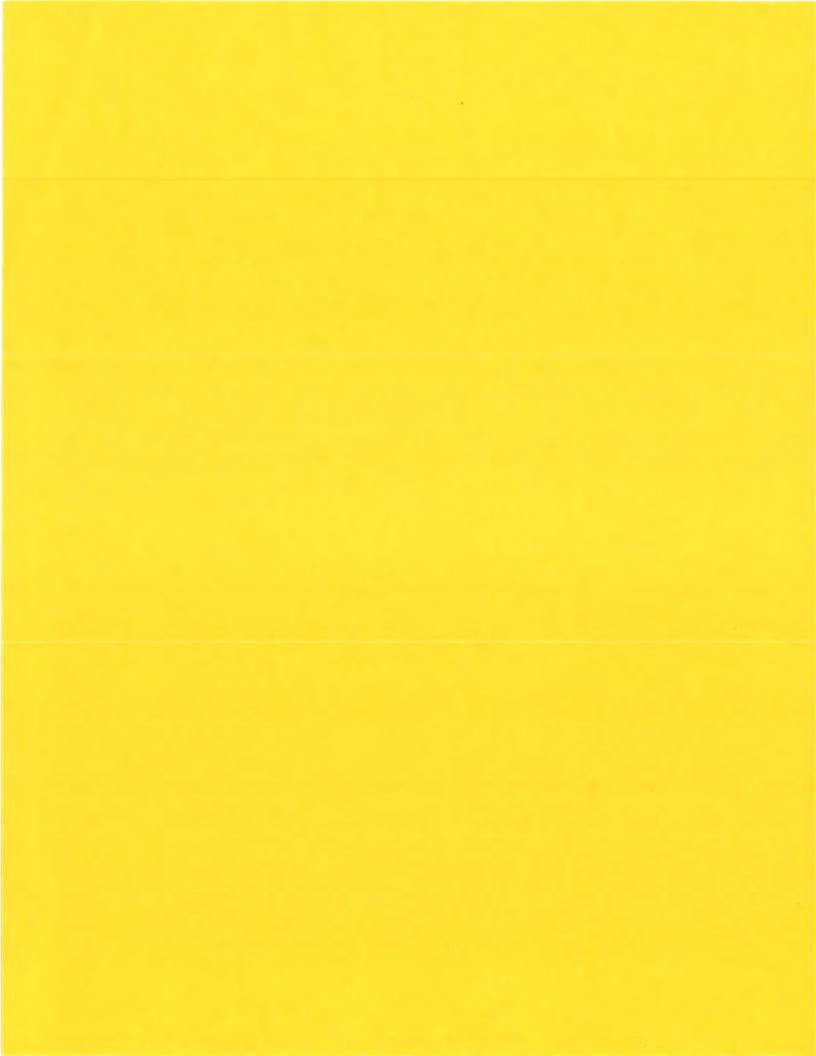
EDS Sample	Surrogate	%R	Qualifier
01	13C4-PFBA	189%	J
	13C3-PFBS	185%	None - Sample ND
	18O2-PFHxS	164%	
	M2-6:2 FTS	158%	
02	13C4-PFBA	175%	J
	13C3-PFBS	182%	None - Sample ND
	18O2-PFHxS	154%	
03	13C4-PFBA	161%	None - Sample ND
	13C3-PFBS	193%	
	18O2-PFHxS	152%	
	M2-6:2 FTS	169%	J - Associated Compound
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%	1

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

<u>Field Duplicate</u> - 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.



Lab Name: Eurofins TestAmerica, Burlington	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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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	8J	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

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2 Lab File ID: PF060419B48.d Matrix: Water Date Collected: 05/07/2019 15:15 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 07:37 Extraction Method: 3535 Date Analyzed: 06/05/2019 13:46 Sample wt/vol: 301.1(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) GC Column: C-18 ID: 4.6(mm) Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143753

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.2	U	17	1.2
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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	チゴ	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	Ū	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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-3 Client Sample ID: GWI - 03 (05072019) Lab File ID: PF060419B49.d Matrix: Water Date Collected: 05/07/2019 09:45 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 07:37 Extraction Method: 3535 Date Analyzed: 06/05/2019 14:02 Sample wt/vol: 286.1(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) GC Column: C-18 ID: 4.6(mm) Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143753

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.3	U	17	1.3
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-4 Client Sample ID: GWI - 04 (05072019) Lab File ID: PF060419B52.d Matrix: Water Date Collected: 05/07/2019 17:15 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 07:37 Extraction Method: 3535 Date Analyzed: 06/05/2019 14:49 Sample wt/vol: 287.3(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) GC Column: C-18 ID: 4.6 (mm) Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143753

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.3	U	17	1.3
2355-31-9	N-methylperfluorooctanesulfonamidoac etic acid (NMeFOSAA)	1.5	ないて	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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-5 Client Sample ID: GWI - 05 (05082019) Lab File ID: PF053019B11.d Matrix: Water Date Collected: 05/08/2019 10:35 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 11:17 Extraction Method: 3535 Date Analyzed: 05/30/2019 15:25 Sample wt/vol: 282.3(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) GC Column: C-18 ID: 4.6(mm) Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143596

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.3	U	18	1.3
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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	Ü	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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-6 Client Sample ID: GWI - 06 (05072019) Lab File ID: PF060419B53.d Matrix: Water Date Collected: 05/07/2019 15:10 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 07:37 Extraction Method: 3535 Date Analyzed: 06/05/2019 15:05 Sample wt/vol: 272.4(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) GC Column: C-18 ID: 4.6(mm) Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143753

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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

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: 05/20/201	9 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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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	JJ	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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-8 Client Sample ID: FB 05072019 Lab File ID: PF060419B55.d Matrix: Water Date Collected: 05/07/2019 07:30 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 07:37 Extraction Method: 3535 Date Analyzed: 06/05/2019 15:37 Sample wt/vol: 312.3(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) ID: 4.6(mm) GC Column: C-18 Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143753

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.2	U	16	1.2
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-9 Client Sample ID: EB 05072019 Lab File ID: PF060419B56.d Matrix: Water Date Collected: 05/07/2019 17:00 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 07:37 Extraction Method: 3535 Date Analyzed: 06/05/2019 15:53 Sample wt/vol: 274(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) ID: 4.6(mm) GC Column: C-18 Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143753

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-2 SDG No.: Lab Sample ID: 480-153202-11 Client Sample ID: EB 05082019 Lab File ID: PF053019B12.d Matrix: Water Date Collected: 05/08/2019 13:30 Analysis Method: 537 (modified) Date Extracted: 05/20/2019 11:17 Extraction Method: 3535 Date Analyzed: 05/30/2019 15:41 Sample wt/vol: 275.8(mL) Dilution Factor: 1 Con. Extract Vol.: 0.5(mL) GC Column: C-18 ID: 4.6(mm) Injection Volume: 20(uL) GPC Cleanup: (Y/N) N % Moisture: Units: ng/L Analysis Batch No.: 143596

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-ethylperfluorooctanesulfonamidoace tic acid (NEtFOSAA)	1.4	U	18	1.4
2355-31-9	N-methylperfluorooctanesulfonamidoac etic 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



DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York	Date: <u>July 19, 2019</u>
SDG: 480-153202-3	

Laboratory: Eurofins Test America, Burlington, Vermont

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	GWT-01 (05072019)	480-153202-1	Water
02	GWI-02 (05072019)	480-153202-2	Water
03	GWT-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.

<u>Holding Times (HT)</u> - 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.

<u>Laboratory Control Sample (LCS)</u> - 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.

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

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

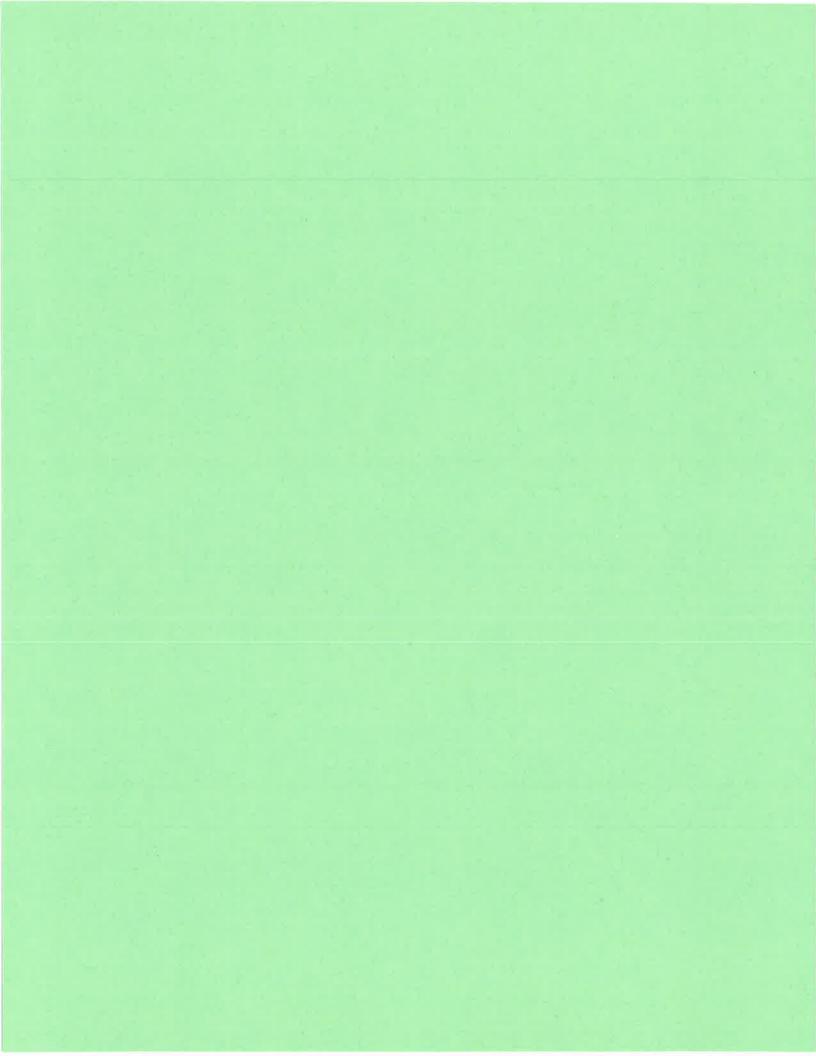
<u>Surrogate Recoveries</u> - All samples exhibited acceptable surrogate recoveries.

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

<u>Field Duplicate</u> - 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.			



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

Analysis Method: 537 (modified) Date Collected: 05/07/2019 18:10

Extraction Method: 3535

Sample wt/vol: 273.5(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 144181

Lab File ID: PF061819A20.d

Date Extracted: 05/20/2019 07:37

Date Analyzed: 06/18/2019 18:01

Dilution Factor: 1

GC Column: C-18

ID: 4.6(mm)

GPC Cleanup: (Y/N) N

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

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 Date Collected: 05/07/2019 18:10 Analysis Method: 537 (modified) 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 Units: ng/L Analysis Batch No.: 144181 CAS NO COMPOUND NAME

0215 110	COLLI COND. WILL	/	KESOLI	2	IXL	HDL
13252-13-6	HFPO-DA (GenX)	/	0.63	UHU J	3.7	0.63
CAC NO	TOOMODE DE ST			0.000		

CAS NO.	ISOTOPE DILUTION	% REC	Q	LIMITS
STL02255	13C3 HFPO-DA	88		25-150



SDG No.:

Client Sample ID: GWI - 02 (05072019) Lab Sample ID: 480-153202-2

Matrix: Water

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

Lab File ID: PF061819A21.d

Con. Extract Vol.: 0.5(mL)

Dilution Factor: 1

GC Column: C-18 ID: 4.6 (mm)

Injection Volume: 20(uL)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 144181

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 4

SDG No.:

Client Sample ID: GWI - 02 (05072019) RE

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 284.6(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 144181

Job No.: 480-153202-3

Lab Sample ID: 480-153202-2 RE/

Lab File ID: PF061819A39.d

Date Collected: 05/07/2019 15:15

Date Extracted: 06/17/2019 11:01

Date Analyzed: 06/18/2019 23:03

Dilution Factor: 1

GC Column: C-18/

ID: 4.6(mm)

GPC Cleanup: M/N) N

13252-13-6 HFPO-DA (GenX) 0.60 UHW		IDL
	3.5	0.60
	3.5	

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	82		25-150

Lab File ID: PF061819A22.d

Dilution Factor: 1

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

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)

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

25-150

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: GWI - 03 (05072019) RE

13C3 HFPO-DA

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 286.2(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

STL02255

Analysis Batch No.: 144181

Lab Sample ID: 480-153202-3 RE/

Lab File ID: PF061819A40.d

Date Collected: 05/07/2019 09:45

Date Extracted: 06/17/2019 11:01

Date Analyzed: 06/18/2019 23:19

Dilution Factor: 1

GC Column: C-1/8 ID: 4.6(mm)

GPC Cleanup (Y/N) N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.59	U#W	3.5	0.59
CAS NO.	ISOTOPE DILUTION		%REC	Q	LIMITS

SDG No.:

Client Sample ID: GWI - 04 (05072019)

Matrix: Water

Analysis Method: 537 (modified) Date Collected: 05/07/2019 17:15

Extraction Method: 3535

Sample wt/vol: 287.3(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 144181

Lab Sample ID: 480-153202-4

Lab File ID: PF061819A25.d

Date Extracted: 05/20/2019 07:37

Date Analyzed: 06/18/2019 19:21

Dilution Factor: 1

GC Column: C-18 ID: 4.6(mm)

GPC Cleanup: (Y/N) N

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

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/ Date Collected: 05/07/2019 17:15 Analysis Method: 537 (modified) 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

CAS NO.	COMPOUND NAME	R	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)		0.60	בע יויים	3.6	0.60
CAC NO	TOOMODE DIVINE			0.000		

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	75		25-150

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

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 Lab File ID: PF061819744.d Matrix: Water Date Collected: 05/08/2019 10:35 Analysis Method: 537 (modified) Date Extracted: 66/17/2019 11:01 6719 Extraction Method: 3535 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 RLMDL 13252-13-6 HFPO-DA (GenX) 0.61 444 3.6 0.61

%REC

77

0

LIMITS

25-150

ISOTOPE DILUTION

CAS NO.

13C3 HFPO-DA

STL02255



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

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: PF061819A47.d Date Collected: 05/07/2019 15:10 Analysis Method: 537 (modified) Date Extracted: 00/17/2019 11:01 Extraction Method: 3535 Date Analyzed: 08/19/2019 00:39 Sample wt/vol: 278.7(mL) Con. Extract Vol.: 0.5(mL) Dilution Factor: 1 Injection Volume: 20(uL) GC Column: 2-18 ID: 4.6(mm) GPC Cleanap: (Y/N) N % Moisture: Analysis Batch No.: 144181 Units: /mg/L

CAS NO.	COMPOUND NAME	/	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)		0.61	I-HuJ	3.6	0.61

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	76		25-150

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

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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

0.62 UHU1

Matrix: Water

Lab File ID: PF061819A46.d

Analysis Method: 537 (modified)

Date Collected: 05/27/2019 00:00

Extraction Method: 3535

Date Extracted: 06/17/2019 11:01

Sample wt/vol: 274.3(mL)

Con. Extract Vol.: 0.5(mL)

Analysis Batch No.: 144181

Dilution Factor: 1

Date Analyzed: 06/19/2019 00:55

Injection Volume: 20(uL)

GC Column: C-18

ID: 4.6 (mm)

% Moisture:

GPC Cleanup: (Y/N) N

		1				
CAS NO.	COMPOUND NAME		RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	1	0.62	0 11 11.1	3.6	0.62

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	66		25-150



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 GC Column: C-18 ID: 4.6(mm) Injection Volume: 20(uL) % 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

SDG No.:

Client Sample ID: FB 05072019 RE

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 307.6(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 144181

Lab Sample ID: 480-153202-8 RE

Lab File ID: PF061819A47.d

Date Collected: 05/07/2019 07:30

Date Extracted: 06/17/2019 11:01 Date Analyzed: 06/19/2019 01:11

Dilution Factor: 1

GC Column: 2-18 ID: 4.6 (mm)

GPC Clearup: (Y/N) N

CAS NO.	COMPOUND NAME	/	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)		0.55	OH U	3.3	0.55

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	82		25-150

Lab File ID: PF061819A29.d

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: EB 05072019 RE

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 313.3(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 144181

Lab Sample ID: 480-153202-9 RE

Lab File ID: PF061819A48.d

Date Collected: 05/07/2019 17:00 0

Date Extracted: 06/17/2019 11:01

Date Apalyzed: 06/19/2019 01:26

Dilution Factor: 1

GC/Column: C-18

ID: 4.6(mm)

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	0.54	ט א ען	3.2	0.54

CAS NO.	ISOTOPE DILUTI	ON %REC	Q	LIMITS
STL02255	13C3 HFPO-DA	64		25-150

SDG No.:

Client Sample ID: EB 05082019

Lab Sample ID: 480-153202-11

Matrix: Water

Lab File ID: PF061819A33.d

Analysis Method: 537 (modified)

Extraction Method: 3535

Date Collected: 05/08/2019 13:30

Date Extracted: 05/20/2019 11:17

Sample wt/vol: 275.8(mL)

Date Analyzed: 06/18/2019 21:28

Dilution Factor: 1

Con. Extract Vol.: 0.5(mL)

Analysis Batch No.: 144181

GPC Cleanup: (Y/N) N

ID: 4.6(mm)

Injection Volume: 20(uL)

GC Column: C-18

% Moisture:

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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Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-153202-3

SDG No.:

Client Sample ID: EB 05082019 RE

Matrix: Water

Analysis Method: 537 (modified)

Extraction Method: 3535

Sample wt/vol: 264.9(mL)

Con. Extract Vol.: 0.5(mL)

Injection Volume: 20(uL)

% Moisture:

Analysis Batch No.: 144181

Lab Sample ID: 480-153202-11 RE

Lab File ID: PF061819A49.d

Date Collected: 05/08/2019 13:30

Date Extracted: 06/17/2019 11:01

Date Analyzed: 06/19/2019 01:42

Dilution Factor: 1

GC Column: 12-18 ID: 4.6 (mm

GPC Cleanup: (Y/N) N

Units: /mg/L

CAS NO.	COMPOUND NAME	1	RESULT	Q	RL	MDL
13252-13-6	HFPO-DA (GenX)	1	0.71	JH J	3.8	0.64

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL02255	13C3 HFPO-DA	72		25-150