

ANALYTICAL REPORT

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Laboratory Job ID: 200-55605-1

Client Project/Site: Gladding Corporation #709009

For:

New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long



Authorized for release by:
10/29/2020 2:46:43 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Judy Stone
Senior Project Manager
10/29/2020 2:46:43 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Job ID: 200-55605-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

Job Narrative 200-55605-1

Comments

The 1,4-dioxane by 522 is being analyzed by Eurofins Eaton and that method has a longer turnaround and the data will be sent separately.

Receipt

The samples were received on 10/15/2020 10:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 1.4° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: MW-2

Lab Sample ID: 200-55605-1

No Detections.

Client Sample ID: FIELD BLANK

Lab Sample ID: 200-55605-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.7		0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 200-55605-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.19	J	0.50	0.12	ug/L	1		524.2	Total/NA
Methylene Chloride	0.45	J	0.50	0.42	ug/L	1		524.2	Total/NA
Trihalomethanes, Total	0.19	J	0.50	0.080	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: MW-2

Lab Sample ID: 200-55605-1

Date Collected: 10/13/20 16:10

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/20/20 02:21	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/20/20 02:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/20/20 02:21	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/20/20 02:21	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/20/20 02:21	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/20/20 02:21	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/20/20 02:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/20/20 02:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/20/20 02:21	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/20/20 02:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/20/20 02:21	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/20/20 02:21	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/20/20 02:21	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/20/20 02:21	1
Benzene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
Bromobenzene	ND		0.50	0.070	ug/L			10/20/20 02:21	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/20/20 02:21	1
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/20/20 02:21	1
Bromoform	ND		0.50	0.080	ug/L			10/20/20 02:21	1
Bromomethane	ND		0.50	0.14	ug/L			10/20/20 02:21	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/20/20 02:21	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/20/20 02:21	1
Chloroethane	ND		0.50	0.23	ug/L			10/20/20 02:21	1
Chloroform	ND		0.50	0.12	ug/L			10/20/20 02:21	1
Chloromethane	ND		0.50	0.18	ug/L			10/20/20 02:21	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/20/20 02:21	1
Dibromomethane	ND		0.50	0.10	ug/L			10/20/20 02:21	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/20/20 02:21	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/20/20 02:21	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/20/20 02:21	1
Methylene Chloride	ND		0.50	0.42	ug/L			10/20/20 02:21	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/20/20 02:21	1
Naphthalene	ND		0.50	0.080	ug/L			10/20/20 02:21	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
o-Xylene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/20/20 02:21	1

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Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: MW-2

Lab Sample ID: 200-55605-1

Date Collected: 10/13/20 16:10

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/20/20 02:21	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
Toluene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/20/20 02:21	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/20/20 02:21	1
Trichloroethene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/20/20 02:21	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/20/20 02:21	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/20/20 02:21	1
Trihalomethanes, Total	ND		0.50	0.080	ug/L			10/20/20 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		10/20/20 02:21	1
1,2-Dichlorobenzene-d4	97		70 - 130		10/20/20 02:21	1

Method: 25101:2009 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.79	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.51	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.54	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.70	ng/L		10/23/20 11:30	10/23/20 23:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	114		50 - 150	10/23/20 11:30	10/23/20 23:11	1
13C4 PFOA	101		70 - 130	10/23/20 11:30	10/23/20 23:11	1
13C5 PFNA	99		50 - 150	10/23/20 11:30	10/23/20 23:11	1
13C3 PFBS	105		50 - 150	10/23/20 11:30	10/23/20 23:11	1
18O2 PFHxS	102		50 - 150	10/23/20 11:30	10/23/20 23:11	1
13C4 PFOS	94		70 - 130	10/23/20 11:30	10/23/20 23:11	1

Client Sample ID: FIELD BLANK

Lab Sample ID: 200-55605-2

Date Collected: 10/13/20 16:00

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/20/20 00:47	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/20/20 00:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/20/20 00:47	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/20/20 00:47	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/20/20 00:47	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/20/20 00:47	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/20/20 00:47	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/20/20 00:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/20/20 00:47	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 200-55605-2

Date Collected: 10/13/20 16:00

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/20/20 00:47	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/20/20 00:47	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/20/20 00:47	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/20/20 00:47	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/20/20 00:47	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/20/20 00:47	1
Benzene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
Bromobenzene	ND		0.50	0.070	ug/L			10/20/20 00:47	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/20/20 00:47	1
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/20/20 00:47	1
Bromoform	ND		0.50	0.080	ug/L			10/20/20 00:47	1
Bromomethane	ND		0.50	0.14	ug/L			10/20/20 00:47	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/20/20 00:47	1
Chlorobenzene	1.7		0.50	0.10	ug/L			10/20/20 00:47	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/20/20 00:47	1
Chloroethane	ND		0.50	0.23	ug/L			10/20/20 00:47	1
Chloroform	ND		0.50	0.12	ug/L			10/20/20 00:47	1
Chloromethane	ND		0.50	0.18	ug/L			10/20/20 00:47	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/20/20 00:47	1
Dibromomethane	ND		0.50	0.10	ug/L			10/20/20 00:47	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/20/20 00:47	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/20/20 00:47	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/20/20 00:47	1
Methylene Chloride	ND		0.50	0.42	ug/L			10/20/20 00:47	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/20/20 00:47	1
Naphthalene	ND		0.50	0.080	ug/L			10/20/20 00:47	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
o-Xylene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/20/20 00:47	1
Styrene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/20/20 00:47	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
Toluene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/20/20 00:47	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/20/20 00:47	1
Trichloroethene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/20/20 00:47	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/20/20 00:47	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/20/20 00:47	1
Trihalomethanes, Total	ND		0.50	0.080	ug/L			10/20/20 00:47	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: FIELD BLANK

Date Collected: 10/13/20 16:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		10/20/20 00:47	1
1,2-Dichlorobenzene-d4	99		70 - 130		10/20/20 00:47	1

Method: 25101:2009 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.36	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.78	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.46	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.50	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.53	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.69	ng/L		10/23/20 11:30	10/23/20 23:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	118		50 - 150				10/23/20 11:30	10/23/20 23:19	1
13C4 PFOA	108		70 - 130				10/23/20 11:30	10/23/20 23:19	1
13C5 PFNA	104		50 - 150				10/23/20 11:30	10/23/20 23:19	1
13C3 PFBS	109		50 - 150				10/23/20 11:30	10/23/20 23:19	1
18O2 PFHxS	107		50 - 150				10/23/20 11:30	10/23/20 23:19	1
13C4 PFOS	108		70 - 130				10/23/20 11:30	10/23/20 23:19	1

Client Sample ID: Trip Blank

Date Collected: 10/13/20 00:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-3

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/20/20 01:10	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/20/20 01:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/20/20 01:10	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/20/20 01:10	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/20/20 01:10	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/20/20 01:10	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/20/20 01:10	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/20/20 01:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/20/20 01:10	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/20/20 01:10	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/20/20 01:10	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/20/20 01:10	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/20/20 01:10	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/20/20 01:10	1
Benzene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
Bromobenzene	ND		0.50	0.070	ug/L			10/20/20 01:10	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/20/20 01:10	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: Trip Blank

Lab Sample ID: 200-55605-3

Date Collected: 10/13/20 00:00

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/20/20 01:10	1
Bromoform	ND		0.50	0.080	ug/L			10/20/20 01:10	1
Bromomethane	ND		0.50	0.14	ug/L			10/20/20 01:10	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/20/20 01:10	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/20/20 01:10	1
Chloroethane	ND		0.50	0.23	ug/L			10/20/20 01:10	1
Chloroform	0.19	J	0.50	0.12	ug/L			10/20/20 01:10	1
Chloromethane	ND		0.50	0.18	ug/L			10/20/20 01:10	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/20/20 01:10	1
Dibromomethane	ND		0.50	0.10	ug/L			10/20/20 01:10	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/20/20 01:10	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/20/20 01:10	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/20/20 01:10	1
Methylene Chloride	0.45	J	0.50	0.42	ug/L			10/20/20 01:10	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/20/20 01:10	1
Naphthalene	ND		0.50	0.080	ug/L			10/20/20 01:10	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
o-Xylene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/20/20 01:10	1
Styrene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/20/20 01:10	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
Toluene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/20/20 01:10	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/20/20 01:10	1
Trichloroethene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/20/20 01:10	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/20/20 01:10	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/20/20 01:10	1
Trihalomethanes, Total	0.19	J	0.50	0.080	ug/L			10/20/20 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		70 - 130					10/20/20 01:10	1
1,2-Dichlorobenzene-d4	104		70 - 130					10/20/20 01:10	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCZ
		(70-130)	(70-130)
200-55605-1	MW-2	102	97
200-55605-2	FIELD BLANK	103	99
200-55605-3	Trip Blank	105	104
LCS 460-732938/3	Lab Control Sample	103	98
LCSD 460-732938/4	Lab Control Sample Dup	103	97
MB 460-732938/7	Method Blank	99	97

Surrogate Legend

BFB = 4-Bromofluorobenzene

DCZ = 1,2-Dichlorobenzene-d4

Isotope Dilution Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 25101:2009 - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C4PFHA (50-150)	PFOA (70-130)	PFNA (50-150)	C3PFBS (50-150)	PFHxS (50-150)	PFOS (70-130)
200-55605-1	MW-2	114	101	99	105	102	94
200-55605-2	FIELD BLANK	118	108	104	109	107	108
LCS 200-160348/2-A	Lab Control Sample	114	102	101	99	107	91
LCSD 200-160348/3-A	Lab Control Sample Dup	119	106	97	109	108	93
MB 200-160348/1-A	Method Blank	91	83	80	85	84	75

Surrogate Legend

C4PFHA = 13C4 PFHpA

PFOA = 13C4 PFOA

PFNA = 13C5 PFNA

C3PFBS = 13C3 PFBS

PFHxS = 18O2 PFHxS

PFOS = 13C4 PFOS

QC Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-732938/7

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/19/20 20:06	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/19/20 20:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/19/20 20:06	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/19/20 20:06	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/19/20 20:06	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/19/20 20:06	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/19/20 20:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/19/20 20:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/19/20 20:06	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/19/20 20:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/19/20 20:06	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/19/20 20:06	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/19/20 20:06	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/19/20 20:06	1
Benzene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
Bromobenzene	ND		0.50	0.070	ug/L			10/19/20 20:06	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/19/20 20:06	1
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/19/20 20:06	1
Bromoform	ND		0.50	0.080	ug/L			10/19/20 20:06	1
Bromomethane	ND		0.50	0.14	ug/L			10/19/20 20:06	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/19/20 20:06	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/19/20 20:06	1
Chloroethane	ND		0.50	0.23	ug/L			10/19/20 20:06	1
Chloroform	ND		0.50	0.12	ug/L			10/19/20 20:06	1
Chloromethane	ND		0.50	0.18	ug/L			10/19/20 20:06	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/19/20 20:06	1
Dibromomethane	ND		0.50	0.10	ug/L			10/19/20 20:06	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/19/20 20:06	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/19/20 20:06	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/19/20 20:06	1
Methylene Chloride	ND		0.50	0.42	ug/L			10/19/20 20:06	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/19/20 20:06	1
Naphthalene	ND		0.50	0.080	ug/L			10/19/20 20:06	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
o-Xylene	ND		0.50	0.090	ug/L			10/19/20 20:06	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-732938/7

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/19/20 20:06	1
Styrene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/19/20 20:06	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
Toluene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/19/20 20:06	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/19/20 20:06	1
Trichloroethene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/19/20 20:06	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/19/20 20:06	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/19/20 20:06	1
Trihalomethanes, Total	ND		0.50	0.080	ug/L			10/19/20 20:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		10/19/20 20:06	1
1,2-Dichlorobenzene-d4	97		70 - 130		10/19/20 20:06	1

Lab Sample ID: LCS 460-732938/3

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.00	1.89		ug/L		94	70 - 130
1,1,1-Trichloroethane	2.00	2.04		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.10		ug/L		105	70 - 130
1,1,2-Trichloroethane	2.00	2.09		ug/L		105	70 - 130
1,1-Dichloroethane	2.00	2.17		ug/L		109	70 - 130
1,1-Dichloropropene	2.00	2.00		ug/L		100	70 - 130
1,1-Dichloropropene	2.00	2.05		ug/L		103	70 - 130
1,2,3-Trichlorobenzene	2.00	1.81		ug/L		91	70 - 130
1,2,3-Trichloropropane	2.00	1.91		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	2.00	1.89		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	2.00	1.91		ug/L		95	70 - 130
1,2-Dichlorobenzene	2.00	1.82		ug/L		91	70 - 130
1,2-Dichloroethane	2.00	2.26		ug/L		113	70 - 130
1,2-Dichloropropane	2.00	2.22		ug/L		111	70 - 130
1,3,5-Trimethylbenzene	2.00	1.93		ug/L		96	70 - 130
1,3-Dichlorobenzene	2.00	1.83		ug/L		92	70 - 130
1,3-Dichloropropane	2.00	2.09		ug/L		105	70 - 130
1,4-Dichlorobenzene	2.00	1.87		ug/L		94	70 - 130
2,2-Dichloropropane	2.00	2.14		ug/L		107	70 - 130
2-Chlorotoluene	2.00	1.97		ug/L		99	70 - 130
4-Chlorotoluene	2.00	1.94		ug/L		97	70 - 130
4-Isopropyltoluene	2.00	1.92		ug/L		96	70 - 130
Benzene	2.00	2.11		ug/L		105	70 - 130
Bromobenzene	2.00	1.88		ug/L		94	70 - 130
Bromochloromethane	2.00	1.98		ug/L		99	70 - 130
Dichlorobromomethane	2.00	2.05		ug/L		102	70 - 130

Eurofins TestAmerica, Burlington

QC Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-732938/3

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	2.00	1.76		ug/L		88	70 - 130
Bromomethane	2.00	1.86		ug/L		93	70 - 130
Carbon tetrachloride	2.00	1.99		ug/L		99	70 - 130
Chlorobenzene	2.00	1.93		ug/L		96	70 - 130
Chlorodibromomethane	2.00	1.81		ug/L		90	70 - 130
Chloroethane	2.00	2.49		ug/L		125	70 - 130
Chloroform	2.00	2.04		ug/L		102	70 - 130
Chloromethane	2.00	2.11		ug/L		106	70 - 130
cis-1,2-Dichloroethene	2.00	2.05		ug/L		103	70 - 130
cis-1,3-Dichloropropene	2.00	1.89		ug/L		94	70 - 130
Dibromomethane	2.00	2.08		ug/L		104	70 - 130
Dichlorodifluoromethane	2.00	1.86		ug/L		93	70 - 130
Ethylbenzene	2.00	1.95		ug/L		97	70 - 130
Hexachlorobutadiene	2.00	1.77		ug/L		89	70 - 130
Isopropylbenzene	2.00	1.98		ug/L		99	70 - 130
Methyl tert-butyl ether	2.00	2.00		ug/L		100	70 - 130
Methylene Chloride	2.00	2.09		ug/L		104	70 - 130
Naphthalene	2.00	1.85		ug/L		92	70 - 130
n-Butylbenzene	2.00	2.01		ug/L		100	70 - 130
N-Propylbenzene	2.00	1.98		ug/L		99	70 - 130
sec-Butylbenzene	2.00	2.04		ug/L		102	70 - 130
Styrene	2.00	1.85		ug/L		92	70 - 130
tert-Butylbenzene	2.00	1.81		ug/L		90	70 - 130
Tetrachloroethene	2.00	1.85		ug/L		93	70 - 130
Toluene	2.00	1.99		ug/L		100	70 - 130
trans-1,2-Dichloroethene	2.00	1.96		ug/L		98	70 - 130
trans-1,3-Dichloropropene	2.00	1.98		ug/L		99	70 - 130
Trichloroethene	2.00	2.03		ug/L		102	70 - 130
Trichlorofluoromethane	2.00	1.84		ug/L		92	70 - 130
Vinyl chloride	2.00	2.41		ug/L		120	70 - 130
Xylenes, Total	6.00	5.64		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		70 - 130
1,2-Dichlorobenzene-d4	98		70 - 130

Lab Sample ID: LCSD 460-732938/4

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	2.00	2.02		ug/L		101	70 - 130	7	30
1,1,1-Trichloroethane	2.00	2.12		ug/L		106	70 - 130	4	30
1,1,2,2-Tetrachloroethane	2.00	2.11		ug/L		106	70 - 130	1	30
1,1,2-Trichloroethane	2.00	2.17		ug/L		108	70 - 130	3	30
1,1-Dichloroethane	2.00	2.35		ug/L		117	70 - 130	8	30
1,1-Dichloroethene	2.00	2.18		ug/L		109	70 - 130	9	30
1,1-Dichloropropene	2.00	2.24		ug/L		112	70 - 130	9	30

Eurofins TestAmerica, Burlington

QC Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-732938/4

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	2.00	1.96		ug/L		98	70 - 130	8	30
1,2,3-Trichloropropane	2.00	1.95		ug/L		97	70 - 130	2	30
1,2,4-Trichlorobenzene	2.00	1.96		ug/L		98	70 - 130	4	30
1,2,4-Trimethylbenzene	2.00	2.07		ug/L		104	70 - 130	8	30
1,2-Dichlorobenzene	2.00	1.94		ug/L		97	70 - 130	6	30
1,2-Dichloroethane	2.00	2.39		ug/L		120	70 - 130	6	30
1,2-Dichloropropane	2.00	2.41		ug/L		121	70 - 130	8	30
1,3,5-Trimethylbenzene	2.00	2.11		ug/L		106	70 - 130	9	30
1,3-Dichlorobenzene	2.00	1.98		ug/L		99	70 - 130	8	30
1,3-Dichloropropane	2.00	2.24		ug/L		112	70 - 130	7	30
1,4-Dichlorobenzene	2.00	1.96		ug/L		98	70 - 130	5	30
2,2-Dichloropropane	2.00	2.22		ug/L		111	70 - 130	4	30
2-Chlorotoluene	2.00	2.12		ug/L		106	70 - 130	7	30
4-Chlorotoluene	2.00	2.12		ug/L		106	70 - 130	9	30
4-Isopropyltoluene	2.00	2.06		ug/L		103	70 - 130	7	30
Benzene	2.00	2.25		ug/L		113	70 - 130	6	30
Bromobenzene	2.00	1.99		ug/L		100	70 - 130	6	30
Bromochloromethane	2.00	2.05		ug/L		103	70 - 130	4	30
Dichlorobromomethane	2.00	2.19		ug/L		110	70 - 130	7	30
Bromoform	2.00	1.89		ug/L		95	70 - 130	7	30
Bromomethane	2.00	2.26		ug/L		113	70 - 130	19	30
Carbon tetrachloride	2.00	2.07		ug/L		103	70 - 130	4	30
Chlorobenzene	2.00	2.07		ug/L		103	70 - 130	7	30
Chlorodibromomethane	2.00	1.95		ug/L		97	70 - 130	7	30
Chloroethane	2.00	2.54		ug/L		127	70 - 130	2	30
Chloroform	2.00	2.21		ug/L		110	70 - 130	8	30
Chloromethane	2.00	2.29		ug/L		114	70 - 130	8	30
cis-1,2-Dichloroethene	2.00	2.21		ug/L		111	70 - 130	7	30
cis-1,3-Dichloropropene	2.00	2.03		ug/L		102	70 - 130	7	30
Dibromomethane	2.00	2.16		ug/L		108	70 - 130	4	30
Dichlorodifluoromethane	2.00	2.03		ug/L		101	70 - 130	9	30
Ethylbenzene	2.00	2.09		ug/L		105	70 - 130	7	30
Hexachlorobutadiene	2.00	1.98		ug/L		99	70 - 130	11	30
Isopropylbenzene	2.00	2.14		ug/L		107	70 - 130	8	30
Methyl tert-butyl ether	2.00	2.07		ug/L		104	70 - 130	4	30
Methylene Chloride	2.00	2.20		ug/L		110	70 - 130	5	30
Naphthalene	2.00	1.99		ug/L		99	70 - 130	7	30
n-Butylbenzene	2.00	2.19		ug/L		109	70 - 130	8	30
N-Propylbenzene	2.00	2.13		ug/L		107	70 - 130	8	30
sec-Butylbenzene	2.00	2.20		ug/L		110	70 - 130	7	30
Styrene	2.00	2.01		ug/L		101	70 - 130	9	30
tert-Butylbenzene	2.00	2.00		ug/L		100	70 - 130	10	30
Tetrachloroethene	2.00	1.97		ug/L		99	70 - 130	6	30
Toluene	2.00	2.16		ug/L		108	70 - 130	8	30
trans-1,2-Dichloroethene	2.00	2.12		ug/L		106	70 - 130	8	30
trans-1,3-Dichloropropene	2.00	2.03		ug/L		101	70 - 130	3	30
Trichloroethene	2.00	2.16		ug/L		108	70 - 130	6	30
Trichlorofluoromethane	2.00	1.99		ug/L		99	70 - 130	8	30
Vinyl chloride	2.00	2.59		ug/L		129	70 - 130	7	30

Eurofins TestAmerica, Burlington

QC Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-732938/4

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	6.00	6.13		ug/L		102	70 - 130	8	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	103		70 - 130						
1,2-Dichlorobenzene-d4	97		70 - 130						

Method: 25101:2009 - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-160348/1-A

Matrix: Water

Analysis Batch: 160364

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160348

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.98	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.58	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87	ng/L		10/23/20 11:30	10/23/20 22:46	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
13C4 PFHpA	91		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
13C4 PFOA	83		70 - 130			10/23/20 11:30	10/23/20 22:46	1	
13C5 PFNA	80		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
13C3 PFBS	85		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
18O2 PFHxS	84		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
13C4 PFOS	75		70 - 130			10/23/20 11:30	10/23/20 22:46	1	

Lab Sample ID: LCS 200-160348/2-A

Matrix: Water

Analysis Batch: 160364

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160348

Top Data: 10000							Top Data: 10000	
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	
	Added	Result	Qualifier				Limits	
Perfluoroheptanoic acid (PFHpA)	40.0	39.1		ng/L		98	50 - 150	
Perfluorooctanoic acid (PFOA)	40.0	41.3		ng/L		103	70 - 130	
Perfluorononanoic acid (PFNA)	40.0	39.2		ng/L		98	50 - 150	
Perfluorobutanesulfonic acid (PFBS)	35.4	38.5		ng/L		109	50 - 150	
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.6		ng/L		95	50 - 150	
Perfluorooctanesulfonic acid (PFOS)	37.1	37.6		ng/L		101	70 - 130	
	LCS	LCS						
Isotope Dilution	%Recovery	Qualifier	Limits					
13C4 PFHpA	114		50 - 150					
13C4 PFOA	102		70 - 130					
13C5 PFNA	101		50 - 150					
13C3 PFBS	99		50 - 150					
18O2 PFHxS	107		50 - 150					
13C4 PFOS	91		70 - 130					

Eurofins TestAmerica, Burlington

QC Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method: 25101:2009 - Fluorinated Alkyl Substances

Lab Sample ID: LCSD 200-160348/3-A

Matrix: Water

Analysis Batch: 160364

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160348

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid (PFHpA)	40.0	40.2		ng/L		101	50 - 150	3	20
Perfluorooctanoic acid (PFOA)	40.0	41.0		ng/L		102	70 - 130	1	20
Perfluorononanoic acid (PFNA)	40.0	41.7		ng/L		104	50 - 150	6	20
Perfluorobutanesulfonic acid (PFBS)	35.4	35.6		ng/L		101	50 - 150	8	20
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.9		ng/L		99	50 - 150	4	20
Perfluorooctanesulfonic acid (PFOS)	37.1	38.0		ng/L		102	70 - 130	1	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFHpA	119		50 - 150
13C4 PFOA	106		70 - 130
13C5 PFNA	97		50 - 150
13C3 PFBS	109		50 - 150
18O2 PFHxS	108		50 - 150
13C4 PFOS	93		70 - 130

QC Association Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

GC/MS VOA

Analysis Batch: 732938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-55605-1	MW-2	Total/NA	Water	524.2	
200-55605-2	FIELD BLANK	Total/NA	Water	524.2	
200-55605-3	Trip Blank	Total/NA	Water	524.2	
MB 460-732938/7	Method Blank	Total/NA	Water	524.2	
LCS 460-732938/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 460-732938/4	Lab Control Sample Dup	Total/NA	Water	524.2	

LCMS

Prep Batch: 160348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-55605-1	MW-2	Total/NA	Water	25101:2009 SPE	
200-55605-2	FIELD BLANK	Total/NA	Water	25101:2009 SPE	
MB 200-160348/1-A	Method Blank	Total/NA	Water	25101:2009 SPE	
LCS 200-160348/2-A	Lab Control Sample	Total/NA	Water	25101:2009 SPE	
LCSD 200-160348/3-A	Lab Control Sample Dup	Total/NA	Water	25101:2009 SPE	

Analysis Batch: 160364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-55605-1	MW-2	Total/NA	Water	25101:2009	160348
200-55605-2	FIELD BLANK	Total/NA	Water	25101:2009	160348
MB 200-160348/1-A	Method Blank	Total/NA	Water	25101:2009	160348
LCS 200-160348/2-A	Lab Control Sample	Total/NA	Water	25101:2009	160348
LCSD 200-160348/3-A	Lab Control Sample Dup	Total/NA	Water	25101:2009	160348

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Client Sample ID: MW-2

Date Collected: 10/13/20 16:10

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	732938	10/20/20 02:21	VBP	TAL EDI
Total/NA	Prep	25101:2009 SPE			160348	10/23/20 11:30	KFW	TAL BUR
Total/NA	Analysis	25101:2009		1	160364	10/23/20 23:11	BWC	TAL BUR

Client Sample ID: FIELD BLANK

Date Collected: 10/13/20 16:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	732938	10/20/20 00:47	VBP	TAL EDI
Total/NA	Prep	25101:2009 SPE			160348	10/23/20 11:30	KFW	TAL BUR
Total/NA	Analysis	25101:2009		1	160364	10/23/20 23:19	BWC	TAL BUR

Client Sample ID: Trip Blank

Date Collected: 10/13/20 00:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	732938	10/20/20 01:10	VBP	TAL EDI

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
25101:2009	25101:2009 SPE	Water	Perfluorobutanesulfonic acid (PFBS)
25101:2009	25101:2009 SPE	Water	Perfluoroheptanoic acid (PFHpA)
25101:2009	25101:2009 SPE	Water	Perfluorohexanesulfonic acid (PFHxS)
25101:2009	25101:2009 SPE	Water	Perfluorononanoic acid (PFNA)

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	m-Xylene & p-Xylene
524.2		Water	o-Xylene

Method Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL EDI
25101:2009	Fluorinated Alkyl Substances	ISO	TAL BUR
25101:2009 SPE	Solid-Phase Extraction (SPE)	ISO	TAL BUR

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

ISO = International Organization for Standardization

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

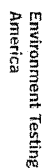
Sample Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-55605-1	MW-2	Water	10/13/20 16:10	10/15/20 10:40	
200-55605-2	FIELD BLANK	Water	10/13/20 16:00	10/15/20 10:40	
200-55605-3	Trip Blank	Water	10/13/20 00:00	10/15/20 10:40	

Syracuse



#225

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Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

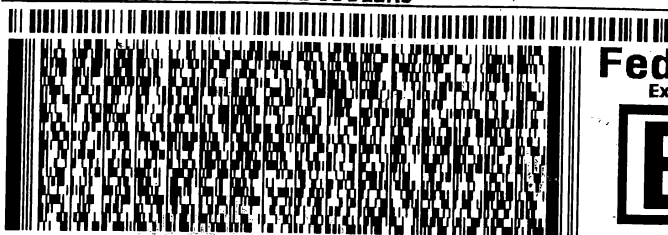
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 660-1990

REF: ARCADIS GLADDING 2 COOLERS



FedEx
Express

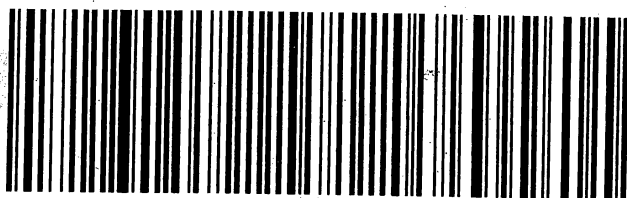


1 of 2
TRK# 1870 7198 4976
0201
MASTER

NL BTVA

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV



Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

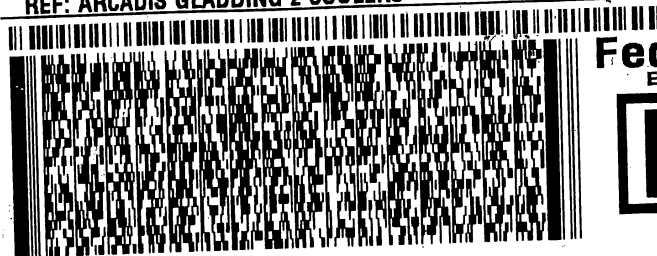
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 660-1990

REF: ARCADIS GLADDING 2 COOLERS



FedEx
Express

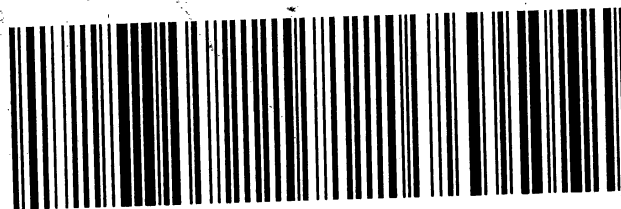


2 of 2
MPS# 1870 7198 4987
0263
Mstr# 1870 7198 4976

NL BTVA

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 200-55605-1

Login Number: 55605

List Source: Eurofins TestAmerica, Burlington

List Number: 1

Creator: Jaffe, Nat S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1313491, -492
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2°C, 1.4°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	JM
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 200-55605-1

Login Number: 55605

List Number: 2

Creator: Armbruster, Chris

List Source: Eurofins TestAmerica, Edison

List Creation: 10/17/20 02:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1109558
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	