

LAB CHRONICLE

OrderID:	P5068	OrderDate:	12/3/2024 11:32:00 AM
Client:	New York City DEP of Environmental Protection/BWS	Project:	Industrial Wastewater Discharge Permit - Fall 2024
Contact:	Nicholas Prokopowicz	Location:	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5068-01	14B-1	Water	VOCMS Group1	624.1	12/03/24		12/06/24	12/03/24
P5068-02	14B-2	Water	VOCMS Group1	624.1	12/03/24		12/06/24	12/03/24
P5068-03	14B-3	Water	VOCMS Group1	624.1	12/03/24		12/06/24	12/03/24
P5068-04	14B-4	Water	VOCMS Group1	624.1	12/03/24		12/06/24	12/03/24

Hit Summary Sheet
SW-846

SDG No.: P5068

Client: New York City DEP of Environmental Protection/BW

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	14B-4							
P5068-04	14B-4	Water	Chloroform	5.00	J	3.60	25.0	ug/L
			Total Voc :	5.00				
			Total Concentration:	5.00				

A
B
C
D
E
F
G



SAMPLE DATA

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-1	SDG No.:	P5068
Lab Sample ID:	P5068-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085131.D	5		12/06/24 16:51	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-1	SDG No.:	P5068
Lab Sample ID:	P5068-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085131.D	5		12/06/24 16:51	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.8		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	28.9		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.0		63 - 112	80%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	27600	7.812			
540-36-3	1,4-Difluorobenzene	130000	9.1			
3114-55-4	Chlorobenzene-d5	119000	11.865			

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-1	SDG No.:	P5068
Lab Sample ID:	P5068-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085131.D	5		12/06/24 16:51	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-2	SDG No.:	P5068
Lab Sample ID:	P5068-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085132.D	5		12/06/24 17:15	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-2	SDG No.:	P5068
Lab Sample ID:	P5068-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085132.D	5		12/06/24 17:15	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.7		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	28.7		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.1		63 - 112	80%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28600	7.812			
540-36-3	1,4-Difluorobenzene	132000	9.1			
3114-55-4	Chlorobenzene-d5	121000	11.865			

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-2	SDG No.:	P5068
Lab Sample ID:	P5068-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085132.D	5		12/06/24 17:15	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-3	SDG No.:	P5068
Lab Sample ID:	P5068-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085133.D	5		12/06/24 17:39	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-3	SDG No.:	P5068
Lab Sample ID:	P5068-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085133.D	5		12/06/24 17:39	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.2		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.0		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	23.5		63 - 112	78%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	27400	7.818			
540-36-3	1,4-Difluorobenzene	128000	9.1			
3114-55-4	Chlorobenzene-d5	116000	11.865			

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-3	SDG No.:	P5068
Lab Sample ID:	P5068-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085133.D	5		12/06/24 17:39	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-4	SDG No.:	P5068
Lab Sample ID:	P5068-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085134.D	5		12/06/24 18:03	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	5.00	J	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-4	SDG No.:	P5068
Lab Sample ID:	P5068-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085134.D	5		12/06/24 18:03	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.9		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	28.3		91 - 112	94%	SPK: 30
460-00-4	4-Bromofluorobenzene	23.4		63 - 112	78%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	27400	7.812			
540-36-3	1,4-Difluorobenzene	128000	9.1			
3114-55-4	Chlorobenzene-d5	119000	11.865			

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	12/03/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	12/03/24
Client Sample ID:	14B-4	SDG No.:	P5068
Lab Sample ID:	P5068-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085134.D	5		12/06/24 18:03	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **P5068**

Client: **New York City DEP of Environmental Protection/BWS**

Analytical Method: **SW624.1**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5068-01	14B-1	1,2-Dichloroethane-d4	30	29.8	99	91	110
		Toluene-d8	30	28.9	96	91	112
		4-Bromofluorobenzene	30	24.0	80	63	112
P5068-02	14B-2	1,2-Dichloroethane-d4	30	29.7	99	91	110
		Toluene-d8	30	28.7	96	91	112
		4-Bromofluorobenzene	30	24.1	80	63	112
P5068-03	14B-3	1,2-Dichloroethane-d4	30	30.2	101	91	110
		Toluene-d8	30	29.0	97	91	112
		4-Bromofluorobenzene	30	23.5	78	63	112
P5068-04	14B-4	1,2-Dichloroethane-d4	30	29.9	100	91	110
		Toluene-d8	30	28.3	94	91	112
		4-Bromofluorobenzene	30	23.4	78	63	112
VN1206WBL01	VN1206WBL01	1,2-Dichloroethane-d4	30	30.7	102	91	110
		Toluene-d8	30	29.0	97	91	112
		4-Bromofluorobenzene	30	24.3	81	63	112
VN1206WBS01	VN1206WBS01	1,2-Dichloroethane-d4	30	30.1	100	91	110
		Toluene-d8	30	29.7	99	91	112
		4-Bromofluorobenzene	30	30.0	100	63	112
VN1206WBSD0	VN1206WBSD01	1,2-Dichloroethane-d4	30	30.8	103	91	110
		Toluene-d8	30	29.6	99	91	112
		4-Bromofluorobenzene	30	29.6	99	63	112

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5068

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1

Datafile : VN085124.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1206WBS01	Dichlorodifluoromethane	20	20.4	ug/L	102			72	118	
	Chloromethane	20	20.6	ug/L	103			1	205	
	Vinyl Chloride	20	19.6	ug/L	98			5	195	
	Bromomethane	20	21.2	ug/L	106			15	185	
	Chloroethane	20	19.8	ug/L	99			40	160	
	Trichlorofluoromethane	20	20.4	ug/L	102			50	150	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/L	101			64	127	
	1,1-Dichloroethene	20	19.8	ug/L	99			50	150	
	Acetone	100	110	ug/L	110			41	148	
	Carbon disulfide	20	20.1	ug/L	101			76	107	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			82	114	
	Methyl Acetate	20	20.0	ug/L	100			63	139	
	Methylene Chloride	20	19.6	ug/L	98			60	140	
	trans-1,2-Dichloroethene	20	20.0	ug/L	100			70	130	
	1,1-Dichloroethane	20	19.8	ug/L	99			70	130	
	Cyclohexane	20	20.4	ug/L	102			79	113	
	2-Butanone	100	98.6	ug/L	99			69	129	
	Carbon Tetrachloride	20	18.5	ug/L	93			70	130	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			81	112	
	Chloroform	20	20.1	ug/L	101			70	135	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			70	130	
	Methylcyclohexane	20	19.3	ug/L	97			79	112	
	Benzene	20	19.0	ug/L	95			65	135	
	1,2-Dichloroethane	20	18.7	ug/L	94			70	130	
	Trichloroethene	20	19.7	ug/L	99			65	135	
	1,2-Dichloropropane	20	19.0	ug/L	95			35	165	
	Bromodichloromethane	20	18.6	ug/L	93			65	135	
	4-Methyl-2-Pentanone	100	97.5	ug/L	98			73	131	
	Toluene	20	19.4	ug/L	97			70	130	
	t-1,3-Dichloropropene	20	19.0	ug/L	95			50	150	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			25	175	
	1,1,2-Trichloroethane	20	18.5	ug/L	93			70	130	
	2-Hexanone	100	98.4	ug/L	98			72	128	
	Dibromochloromethane	20	18.4	ug/L	92			70	135	
	1,2-Dibromoethane	20	18.7	ug/L	94			86	114	
	Tetrachloroethene	20	19.5	ug/L	98			70	130	
	Chlorobenzene	20	19.3	ug/L	97			65	135	
	Ethyl Benzene	20	19.4	ug/L	97			60	140	
	m/p-Xylenes	40	40.0	ug/L	100			87	111	
	o-Xylene	20	20.5	ug/L	103			87	111	
	Styrene	20	20.3	ug/L	102			85	106	
	Bromoform	20	18.1	ug/L	91			70	130	
	Isopropylbenzene	20	19.9	ug/L	100			86	112	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			60	140	
	1,3,5-Trimethylbenzene	20	19.9	ug/L	100			66	139	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70	130	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			65	135	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			65	135	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5068

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1 **Datafile :** VN085124.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1206WBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			69	122	
	1,2,4-Trichlorobenzene	20	20.5	ug/L	103			61	118	
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103			38	159	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5068

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1

Datafile : VN085125.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1206WBSD01	Dichlorodifluoromethane	20	19.3	ug/L	97	5		72	118	20
	Chloromethane	20	19.4	ug/L	97	6		1	205	20
	Vinyl Chloride	20	18.8	ug/L	94	4		5	195	20
	Bromomethane	20	21.2	ug/L	106	0		15	185	20
	Chloroethane	20	19.8	ug/L	99	0		40	160	20
	Trichlorofluoromethane	20	19.1	ug/L	96	6		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/L	95	6		64	127	20
	1,1-Dichloroethene	20	19.4	ug/L	97	2		50	150	20
	Acetone	100	100	ug/L	100	10		41	148	20
	Carbon disulfide	20	19.2	ug/L	96	5		76	107	20
	Methyl tert-butyl Ether	20	20.7	ug/L	104	3		82	114	20
	Methyl Acetate	20	20.9	ug/L	104	4		63	139	20
	Methylene Chloride	20	19.6	ug/L	98	0		60	140	20
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	3		70	130	20
	1,1-Dichloroethane	20	19.3	ug/L	97	2		70	130	20
	Cyclohexane	20	19.6	ug/L	98	4		79	113	20
	2-Butanone	100	100	ug/L	100	1		69	129	20
	Carbon Tetrachloride	20	18.2	ug/L	91	2		70	130	20
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	1		81	112	20
	Chloroform	20	20.0	ug/L	100	1		70	135	20
	1,1,1-Trichloroethane	20	18.7	ug/L	94	0		70	130	20
	Methylcyclohexane	20	18.4	ug/L	92	5		79	112	20
	Benzene	20	19.2	ug/L	96	1		65	135	20
	1,2-Dichloroethane	20	19.2	ug/L	96	2		70	130	20
	Trichloroethene	20	19.1	ug/L	96	3		65	135	20
	1,2-Dichloropropane	20	19.0	ug/L	95	0		35	165	20
	Bromodichloromethane	20	19.0	ug/L	95	2		65	135	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	2		73	131	20
	Toluene	20	19.2	ug/L	96	1		70	130	20
	t-1,3-Dichloropropene	20	19.3	ug/L	97	2		50	150	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	2		25	175	20
	1,1,2-Trichloroethane	20	19.0	ug/L	95	2		70	130	20
	2-Hexanone	100	100	ug/L	100	2		72	128	20
	Dibromochloromethane	20	19.8	ug/L	99	7		70	135	20
	1,2-Dibromoethane	20	19.6	ug/L	98	4		86	114	20
	Tetrachloroethene	20	18.9	ug/L	95	3		70	130	20
	Chlorobenzene	20	19.4	ug/L	97	0		65	135	20
	Ethyl Benzene	20	19.2	ug/L	96	1		60	140	20
	m/p-Xylenes	40	38.7	ug/L	97	3		87	111	20
	o-Xylene	20	19.5	ug/L	98	5		87	111	20
	Styrene	20	20.0	ug/L	100	2		85	106	20
	Bromoform	20	19.4	ug/L	97	6		70	130	20
	Isopropylbenzene	20	19.7	ug/L	99	1		86	112	20
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	5		60	140	20
	1,3,5-Trimethylbenzene	20	19.5	ug/L	98	2		66	139	20
	1,3-Dichlorobenzene	20	19.2	ug/L	96	1		70	130	20
	1,4-Dichlorobenzene	20	19.5	ug/L	98	0		65	135	20
	1,2-Dichlorobenzene	20	19.7	ug/L	99	1		65	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5068

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1 **Datafile :** VN085125.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1206WBSD01	1,2-Dibromo-3-Chloropropane	20	20.3	ug/L	102	8		69	122	20
	1,2,4-Trichlorobenzene	20	20.2	ug/L	101	2		61	118	20
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101	2		38	159	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1206WBL01

Lab Name: CHEMTECH

Contract: NEWY17

Lab Code: CHEM Case No.: P5068

SAS No.: P5068 SDG NO.: P5068

Lab File ID: VN085126.D

Lab Sample ID: VN1206WBL01

Date Analyzed: 12/06/2024

Time Analyzed: 14:40

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1206WBS01	VN1206WBS01	VN085124.D	12/06/2024
VN1206WBSD01	VN1206WBSD01	VN085125.D	12/06/2024
14B-1	P5068-01	VN085131.D	12/06/2024
14B-2	P5068-02	VN085132.D	12/06/2024
14B-3	P5068-03	VN085133.D	12/06/2024
14B-4	P5068-04	VN085134.D	12/06/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NEWY17
Lab Code: CHEM Case No.: P5068 SAS No.: P5068 SDG NO.: P5068
Lab File ID: VN085116.D BFB Injection Date: 12/06/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:14
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	5.9 (7.6) 1
176	95.0 - 101.0% of mass 174	74.3 (95.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VN085117.D	12/06/2024	10:02
VSTDIC020	VSTDIC020	VN085118.D	12/06/2024	10:26
VSTDIC050	VSTDIC050	VN085119.D	12/06/2024	10:49
VSTDIC100	VSTDIC100	VN085120.D	12/06/2024	11:13
VSTDIC150	VSTDIC150	VN085121.D	12/06/2024	11:37
VN1206WBS01	VN1206WBS01	VN085124.D	12/06/2024	13:42
VN1206WBSD01	VN1206WBSD01	VN085125.D	12/06/2024	14:16
VN1206WBL01	VN1206WBL01	VN085126.D	12/06/2024	14:40
14B-1	P5068-01	VN085131.D	12/06/2024	16:51
14B-2	P5068-02	VN085132.D	12/06/2024	17:15
14B-3	P5068-03	VN085133.D	12/06/2024	17:39
14B-4	P5068-04	VN085134.D	12/06/2024	18:03

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NEWY17
Lab Code: CHEM Case No.: P5068 SAS No.: P5068 SDG NO.: P5068
Lab File ID: VN085118.D Date Analyzed: 12/06/2024
Instrument ID: MSVOA_N Time Analyzed: 10:26
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	31263	7.81	162398	9.10	151793	11.87
UPPER LIMIT	62526	8.312	324796	9.6	303586	12.365
LOWER LIMIT	15631.5	7.312	81199	8.6	75896.5	11.365
EPA SAMPLE NO.						
14B-1	27564	7.81	130244	9.10	118708	11.87
14B-2	28577	7.81	131902	9.10	120856	11.87
14B-3	27443	7.82	127767	9.10	116448	11.87
14B-4	27383	7.81	128352	9.10	118770	11.87
VN1206WBL01	29636	7.81	149919	9.10	136142	11.87
VN1206WBS01	33289	7.81	183983	9.10	166391	11.87
VN1206WBSD01	30215	7.81	162631	9.10	149659	11.87

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS		Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024		Date Received:	
Client Sample ID:	VN1206WBL01		SDG No.:	P5068
Lab Sample ID:	VN1206WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085126.D	1		12/06/24 14:40	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1206WBL01	SDG No.:	P5068
Lab Sample ID:	VN1206WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085126.D	1		12/06/24 14:40	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.7		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	29.0		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.3		63 - 112	81%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29600	7.812			
540-36-3	1,4-Difluorobenzene	150000	9.1			
3114-55-4	Chlorobenzene-d5	136000	11.865			

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1206WBL01	SDG No.:	P5068
Lab Sample ID:	VN1206WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085126.D	1		12/06/24 14:40	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1206WBS01	SDG No.:	P5068
Lab Sample ID:	VN1206WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085124.D	1		12/06/24 13:42	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.20	5.00	ug/L
74-87-3	Chloromethane	20.6		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	19.6		1.20	5.00	ug/L
74-83-9	Bromomethane	21.2		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		1.10	5.00	ug/L
67-64-1	Acetone	110		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	20.1		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	20.2		0.83	5.00	ug/L
79-20-9	Methyl Acetate	20.0		1.20	5.00	ug/L
75-09-2	Methylene Chloride	19.6		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.81	5.00	ug/L
110-82-7	Cyclohexane	20.4		1.00	5.00	ug/L
78-93-3	2-Butanone	98.6		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.91	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.90	5.00	ug/L
67-66-3	Chloroform	20.1		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	19.3		0.89	5.00	ug/L
71-43-2	Benzene	19.0		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.75	5.00	ug/L
79-01-6	Trichloroethene	19.7		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.65	5.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	97.5		4.20	25.0	ug/L
108-88-3	Toluene	19.4		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.0		0.79	5.00	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1206WBS01	SDG No.:	P5068
Lab Sample ID:	VN1206WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085124.D	1		12/06/24 13:42	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	18.7		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.68	5.00	ug/L
591-78-6	2-Hexanone	98.4		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	18.4		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	18.7		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.94	5.00	ug/L
108-90-7	Chlorobenzene	19.3		0.67	5.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	40.0		1.70	10.0	ug/L
95-47-6	o-Xylene	20.5		0.82	5.00	ug/L
100-42-5	Styrene	20.3		0.80	5.00	ug/L
75-25-2	Bromoform	18.1		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.60	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.9		0.74	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.5		1.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		1.40	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.1		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.0		63 - 112	100%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	33300	7.812			
540-36-3	1,4-Difluorobenzene	184000	9.1			
3114-55-4	Chlorobenzene-d5	166000	11.865			

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1206WBS01	SDG No.:	P5068
Lab Sample ID:	VN1206WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085124.D	1		12/06/24 13:42	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS		Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024		Date Received:	
Client Sample ID:	VN1206WBSD01		SDG No.:	P5068
Lab Sample ID:	VN1206WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085125.D	1		12/06/24 14:16	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		1.20	5.00	ug/L
74-87-3	Chloromethane	19.4		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	18.8		1.20	5.00	ug/L
74-83-9	Bromomethane	21.2		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		1.10	5.00	ug/L
67-64-1	Acetone	100		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	19.2		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	20.7		0.83	5.00	ug/L
79-20-9	Methyl Acetate	20.9		1.20	5.00	ug/L
75-09-2	Methylene Chloride	19.6		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.81	5.00	ug/L
110-82-7	Cyclohexane	19.6		1.00	5.00	ug/L
78-93-3	2-Butanone	100		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.91	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.90	5.00	ug/L
67-66-3	Chloroform	20.0		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.89	5.00	ug/L
71-43-2	Benzene	19.2		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.75	5.00	ug/L
79-01-6	Trichloroethene	19.1		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.65	5.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		4.20	25.0	ug/L
108-88-3	Toluene	19.2		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.79	5.00	ug/L

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS		Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024		Date Received:	
Client Sample ID:	VN1206WBSD01		SDG No.:	P5068
Lab Sample ID:	VN1206WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085125.D	1		12/06/24 14:16	VN120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	19.2		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.0		0.68	5.00	ug/L
591-78-6	2-Hexanone	100		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	19.8		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.94	5.00	ug/L
108-90-7	Chlorobenzene	19.4		0.67	5.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	38.7		1.70	10.0	ug/L
95-47-6	o-Xylene	19.5		0.82	5.00	ug/L
100-42-5	Styrene	20.0		0.80	5.00	ug/L
75-25-2	Bromoform	19.4		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	19.7		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.60	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.5		0.74	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.2		1.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.2		1.40	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.8		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	29.6		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.6		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	30200	7.812			
540-36-3	1,4-Difluorobenzene	163000	9.1			
3114-55-4	Chlorobenzene-d5	150000	11.865			



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>NEWY17</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>P5068</u>
Instrument ID:	<u>MSVOA_N</u>	SAS No.:	<u>P5068</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>P5068</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>12/06/2024</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>10:02</u>
			<u>11:37</u>

LAB FILE ID:	RRF005 = VN085117.D	RRF020 = VN085118.D	RRF050 = VN085119.D					
	RRF100 = VN085120.D	RRF150 = VN085121.D	RRF =					
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
Dichlorodifluoromethane	2.072	2.467	2.334	2.565	2.563		2.400	8.6
Chloromethane	2.058	2.093	2.013	2.202	2.256		2.124	4.8
Vinyl Chloride	2.171	2.147	2.026	2.258	2.263		2.173	4.5
Bromomethane	1.578	1.334	1.261	1.364	1.361		1.380	8.6
Chloroethane	1.331	1.302	1.259	1.382	1.401		1.335	4.4
Trichlorofluoromethane	3.495	3.461	3.321	3.725	3.781		3.557	5.4
1,1,2-Trichlorotrifluoroethane	1.976	1.924	1.900	2.062	2.084		1.989	4.1
1,1-Dichloroethene	1.669	1.752	1.743	1.978	1.993		1.827	8.1
Acetone	0.217	0.228	0.233	0.270	0.264		0.243	9.6
Carbon Disulfide	5.377	5.368	5.062	5.709	5.789		5.461	5.4
Methyl tert-Butyl Ether	4.744	5.454	5.524	6.311	6.507		5.708	12.5
Methyl Acetate	2.041	2.062	2.033	2.305	2.337		2.155	7
Methylene Chloride	2.198	2.012	1.927	2.127	2.100		2.073	5.1
trans-1,2-Dichloroethene	1.876	1.799	1.782	2.012	2.027		1.899	6.1
1,1-Dichloroethane	3.621	3.416	3.269	3.705	3.693		3.541	5.4
Cyclohexane	0.458	0.563	0.563	0.591	0.584		0.552	9.8
2-Butanone	0.207	0.217	0.218	0.235	0.234		0.222	5.4
Carbon Tetrachloride	0.619	0.587	0.566	0.591	0.593		0.591	3.2
cis-1,2-Dichloroethene	2.011	2.125	2.092	2.320	2.366		2.183	7
Chloroform	3.779	3.635	3.508	3.813	3.814		3.710	3.6
1,1,1-Trichloroethane	0.683	0.665	0.619	0.657	0.652		0.655	3.6
Methylcyclohexane	0.453	0.481	0.526	0.579	0.593		0.526	11.5
Benzene	1.581	1.501	1.456	1.543	1.523		1.521	3.1
1,2-Dichloroethane	0.564	0.505	0.491	0.518	0.510		0.518	5.4
Trichloroethene	0.367	0.356	0.344	0.373	0.371		0.362	3.4
1,2-Dichloropropane	0.388	0.370	0.351	0.366	0.368		0.368	3.7
Bromodichloromethane	0.596	0.554	0.541	0.565	0.568		0.565	3.6
4-Methyl-2-Pentanone	0.431	0.494	0.483	0.524	0.516		0.490	7.5
Toluene	1.780	1.713	1.680	1.799	1.777		1.750	2.9
t-1,3-Dichloropropene	0.518	0.517	0.541	0.592	0.603		0.554	7.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>NEWY17</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>P5068</u>
Instrument ID:	<u>MSVOA_N</u>	SAS No.:	<u>P5068</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>P5068</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>12/06/2024</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>10:02</u>
			<u>11:37</u>

LAB FILE ID:								
RRF005 = VN085117.D			RRF020 = VN085118.D			RRF050 = VN085119.D		
RRF100 = VN085120.D			RRF150 = VN085121.D			RRF =		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
cis-1,3-Dichloropropene	0.581	0.590	0.583	0.629	0.636		0.604	4.4
1,1,2-Trichloroethane	0.387	0.355	0.336	0.353	0.349		0.356	5.2
2-Hexanone	0.314	0.376	0.371	0.402	0.391		0.371	9.2
Dibromochloromethane	0.455	0.426	0.413	0.438	0.438		0.434	3.7
1,2-Dibromoethane	0.358	0.348	0.348	0.371	0.369		0.359	3.1
Tetrachloroethene	0.407	0.358	0.342	0.359	0.351		0.363	7
Chlorobenzene	1.074	1.056	1.037	1.121	1.113		1.080	3.3
Ethyl Benzene	1.626	1.739	1.845	2.032	2.041		1.857	9.8
m/p-Xylenes	0.601	0.713	0.706	0.775	0.775		0.714	10
o-Xylene	0.561	0.648	0.681	0.734	0.729		0.671	10.5
Styrene	0.892	1.097	1.164	1.270	1.266		1.138	13.7
Bromoform	0.294	0.275	0.282	0.301	0.302		0.291	4.1
Isopropylbenzene	1.409	1.656	1.747	1.932	1.903		1.730	12.3
1,1,2,2-Tetrachloroethane	0.551	0.532	0.503	0.526	0.521		0.526	3.3
1,3,5-Trimethylbenzene	1.241	1.441	1.488	1.630	1.609		1.482	10.6
1,3-Dichlorobenzene	0.779	0.765	0.772	0.842	0.816		0.795	4.1
1,4-Dichlorobenzene	0.725	0.742	0.759	0.829	0.818		0.775	6
1,2-Dichlorobenzene	0.743	0.721	0.734	0.787	0.767		0.750	3.5
1,2-Dibromo-3-Chloropropane	0.095	0.103	0.101	0.112	0.116		0.105	8
1,2,4-Trichlorobenzene	0.280	0.342	0.364	0.421	0.431		0.367	16.8
1,2,3-Trichlorobenzene	0.280	0.342	0.364	0.421	0.431		0.367	16.8
1,2-Dichloroethane-d4	2.462	2.393	2.263	2.370	2.414		2.380	3.1
Toluene-d8	1.462	1.443	1.392	1.372	1.367		1.407	3.1
4-Bromofluorobenzene	0.479	0.495	0.500	0.509	0.499		0.496	2.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5068 SAS No.: P5068 SDG No.: P5068

Instrument ID: MSVOA_N Calibration Date/Time: 12/06/2024 10:26

Lab File ID: VN085118.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.400	2.467		2.79	
Chloromethane	2.124	2.093		-1.46	
Vinyl Chloride	2.173	2.147		-1.2	
Bromomethane	1.380	1.334		-3.33	
Chloroethane	1.335	1.302		-2.47	
Trichlorofluoromethane	3.557	3.461		-2.7	
1,1,2-Trichlorotrifluoroethane	1.989	1.924		-3.27	
1,1-Dichloroethene	1.827	1.752		-4.11	
Acetone	0.243	0.228		-6.17	
Carbon Disulfide	5.461	5.368		-1.7	
Methyl tert-Butyl Ether	5.708	5.454		-4.45	
Methyl Acetate	2.155	2.062		-4.32	
Methylene Chloride	2.073	2.012		-2.94	
trans-1,2-Dichloroethene	1.899	1.799		-5.27	
1,1-Dichloroethane	3.541	3.416		-3.53	
Cyclohexane	0.552	0.563		1.99	
2-Butanone	0.222	0.217		-2.25	
Carbon Tetrachloride	0.591	0.587		-0.68	
cis-1,2-Dichloroethene	2.183	2.125		-2.66	
Chloroform	3.710	3.635		-2.02	
1,1,1-Trichloroethane	0.655	0.665		1.53	
Methylcyclohexane	0.526	0.481		-8.56	
Benzene	1.521	1.501		-1.32	
1,2-Dichloroethane	0.518	0.505		-2.51	
Trichloroethene	0.362	0.356		-1.66	
1,2-Dichloropropane	0.368	0.370		0.54	
Bromodichloromethane	0.565	0.554		-1.95	
4-Methyl-2-Pentanone	0.490	0.494		0.82	
Toluene	1.750	1.713		-2.11	
t-1,3-Dichloropropene	0.554	0.517		-6.68	
cis-1,3-Dichloropropene	0.604	0.590		-2.32	
1,1,2-Trichloroethane	0.356	0.355		-0.28	
2-Hexanone	0.371	0.376		1.35	
Dibromochloromethane	0.434	0.426		-1.84	
1,2-Dibromoethane	0.359	0.348		-3.06	
Tetrachloroethene	0.363	0.358		-1.38	
Chlorobenzene	1.080	1.056		-2.22	
Ethyl Benzene	1.857	1.739		-6.35	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5068 SAS No.: P5068 SDG No.: P5068

Instrument ID: MSVOA_N Calibration Date/Time: 12/06/2024 10:26

Lab File ID: VN085118.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.714	0.713		-0.14	
o-Xylene	0.671	0.648		-3.43	
Styrene	1.138	1.097		-3.6	
Bromoform	0.291	0.275		-5.5	
Isopropylbenzene	1.730	1.656		-4.28	
1,1,2,2-Tetrachloroethane	0.526	0.532		1.14	
1,3,5-Trimethylbenzene	1.482	1.441		-2.77	
1,3-Dichlorobenzene	0.795	0.765		-3.77	
1,4-Dichlorobenzene	0.775	0.742		-4.26	
1,2-Dichlorobenzene	0.750	0.721		-3.87	
1,2-Dibromo-3-Chloropropane	0.105	0.103		-1.9	
1,2,4-Trichlorobenzene	0.367	0.342		-6.81	
1,2,3-Trichlorobenzene	0.367	0.342		-6.81	
1,2-Dichloroethane-d4	2.380	2.393		0.55	
Toluene-d8	1.407	1.443		2.56	
4-Bromofluorobenzene	0.496	0.495		-0.2	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.