284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	P3845	**OrderDate:**	9/5/2024 2:19:00 PM
Client:	Chemtech Consulting Group	**Project:**	NJ Waste Water PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3845-01	**PT-VOA-WP**	**Water**			**09/03/24**			**09/05/24**
			VOCMS Group1	8260-Low			09/10/24	
P3845-01DL	**PT-VOA-WPDL**	**Water**			**09/03/24**			**09/05/24**
			VOCMS Group1	8260-Low			09/11/24	
P3845-02	**PT-VOA-WP**	**Water**			**09/03/24**			**09/05/24**
			VOCMS Group1	624.1			09/09/24	

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Hit Summary Sheet
SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PT-VOA-WP**							
P3845-01	PT-VOA-WP	Water	Vinyl Chloride	34.7		0.34	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Bromomethane	47.4		1.40	5.00	ug/L
P3845-01	PT-VOA-WP	Water	Acetone	41.1		1.40	5.00	ug/L
P3845-01	PT-VOA-WP	Water	Methyl tert-butyl Ether	74.2		0.16	1.00	ug/L
P3845-01	PT-VOA-WP	Water	trans-1,2-Dichloroethene	100	E	0.25	1.00	ug/L
P3845-01	PT-VOA-WP	Water	2-Butanone	90.7		1.30	5.00	ug/L
P3845-01	PT-VOA-WP	Water	cis-1,2-Dichloroethene	21.1		0.25	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Chloroform	22.9		0.26	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Benzene	41.3		0.16	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2-Dichloroethane	140	E	0.24	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Trichloroethene	57.8		0.32	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2-Dichloropropane	20.9		0.19	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Dibromomethane	15.5		0.23	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Bromodichloromethane	93.4		0.24	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Toluene	100	E	0.18	1.00	ug/L
P3845-01	PT-VOA-WP	Water	t-1,3-Dichloropropene	110	E	0.21	1.00	ug/L
P3845-01	PT-VOA-WP	Water	cis-1,3-Dichloropropene	110	E	0.18	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Dibromochloromethane	31.2		0.18	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2-Dibromoethane	40.8		0.16	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Chlorobenzene	46.9		0.13	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Ethyl Benzene	90.8		0.16	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Total Xylenes	147		0.45	3.00	ug/L
P3845-01	PT-VOA-WP	Water	m/p-Xylenes	27.1		0.31	2.00	ug/L
P3845-01	PT-VOA-WP	Water	o-Xylene	120	E	0.14	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Styrene	110	E	0.16	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Bromoform	78.8		0.21	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2,3-Trichloropropane	100	E	0.39	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,3,5-Trimethylbenzene	30.9		0.18	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2,4-Trimethylbenzene	15.8		0.18	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,3-Dichlorobenzene	97.7	Q	0.24	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,4-Dichlorobenzene	40.2	Q	0.27	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2-Dichlorobenzene	14.0		0.19	1.00	ug/L
P3845-01	PT-VOA-WP	Water	1,2-Dibromo-3-Chloropropane	130	E	0.46	1.00	ug/L
P3845-01	PT-VOA-WP	Water	Naphthalene	74.8		0.59	1.00	ug/L
			Total Voc :	2170				
			Total Concentration:	2170				

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Hit Summary Sheet
SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PT-VOA-WPDL**							
P3845-01DL	PT-VOA-WPDL	Water	Vinyl Chloride	32.9	D	0.68	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Bromomethane	44.7	D	2.70	10.0	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Acetone	41.1	D	2.80	10.0	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Methyl tert-butyl Ether	69.5	D	0.32	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	trans-1,2-Dichloroethene	96.2	D	0.50	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	2-Butanone	86.6	D	2.60	10.0	ug/L
P3845-01DL	PT-VOA-WPDL	Water	cis-1,2-Dichloroethene	19.6	D	0.50	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Chloroform	20.8	D	0.52	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Benzene	37.3	D	0.32	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2-Dichloroethane	130	D	0.48	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Trichloroethene	53.3	D	0.64	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2-Dichloropropane	20.2	D	0.38	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Dibromomethane	15.2	D	0.46	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Bromodichloromethane	86.7	D	0.48	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Toluene	90.7	D	0.36	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	t-1,3-Dichloropropene	98.5	D	0.42	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	cis-1,3-Dichloropropene	98.2	D	0.36	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Dibromochloromethane	27.7	D	0.36	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2-Dibromoethane	37.8	D	0.32	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Chlorobenzene	41.2	D	0.26	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Ethyl Benzene	78.7	D	0.32	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Total Xylenes	123	D	0.90	6.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	m/p-Xylenes	23.9	D	0.62	4.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	o-Xylene	98.8	D	0.28	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Styrene	93.1	D	0.32	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Bromoform	66.8	D	0.42	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2,3-Trichloropropane	87.7	D	0.78	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,3,5-Trimethylbenzene	25.7	D	0.36	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2,4-Trimethylbenzene	12.5	D	0.36	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,3-Dichlorobenzene	80.7	D	0.48	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,4-Dichlorobenzene	34.2	D	0.54	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2-Dichlorobenzene	11.6	D	0.38	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	1,2-Dibromo-3-Chloropropane	110	D	0.92	2.00	ug/L
P3845-01DL	PT-VOA-WPDL	Water	Naphthalene	59.4	D	1.20	2.00	ug/L
			Total Voc :	1930				
			Total Concentration:	1930				

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Hit Summary Sheet
SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WP	SDG No.:	P3845
Lab Sample ID:	P3845-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083755.D	1		09/10/24 16:31	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	34.7		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
108-21-4	Isopropyl Acetate	0.29	U	0.29	1.00	ug/L
74-83-9	Bromomethane	47.4		1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
109-99-9	Tetrahydrofuran	1.20	U	1.20	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
60-29-7	Diethyl Ether	0.20	U	0.20	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	41.1		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	74.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	100	E	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	90.7		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	22.9		0.26	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WP	SDG No.:	P3845
Lab Sample ID:	P3845-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083755.D	1		09/10/24 16:31	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L
71-43-2	Benzene	41.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	140	E	0.24	1.00	ug/L
79-01-6	Trichloroethene	57.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.19	1.00	ug/L
74-95-3	Dibromomethane	15.5		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	93.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	100	E	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	110	E	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	110	E	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	31.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	40.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	46.9		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0.29	UQ	0.29	1.00	ug/L
100-41-4	Ethyl Benzene	90.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	27.1		0.31	2.00	ug/L
1330-20-7	Total Xylenes	147		0.45	3.00	ug/L
95-47-6	o-Xylene	120	E	0.14	1.00	ug/L
100-42-5	Styrene	110	E	0.16	1.00	ug/L
75-25-2	Bromoform	78.8		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WP	SDG No.:	P3845
Lab Sample ID:	P3845-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083755.D	1		09/10/24 16:31	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
96-18-4	1,2,3-Trichloropropane	100	E	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	30.9		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	15.8		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	97.7	Q	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	40.2	Q	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	14.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	130	E	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	74.8		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
628-63-7	N-amyl acetate	0.23	U	0.23	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
107-05-1	Allyl chloride	0.24	U	0.24	1.00	ug/L
126-98-7	Methacrylonitrile	0.31	U	0.31	1.00	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.16	1.00	ug/L
108-20-3	Diisopropyl ether	0.16	U	0.16	1.00	ug/L
123-91-1	1,4-Dioxane	6.50	U	6.50	100	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.32	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WP	SDG No.:	P3845
Lab Sample ID:	P3845-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083755.D	1		09/10/24 16:31	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	44.6		77 - 121	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.224			
540-36-3	1,4-Difluorobenzene	262000	9.1			
3114-55-4	Chlorobenzene-d5	227000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.788			

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-01DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083797.D	2		09/11/24 15:33	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.42	UD	0.42	2.00	ug/L
74-87-3	Chloromethane	0.70	UD	0.70	2.00	ug/L
75-01-4	Vinyl Chloride	32.9	D	0.68	2.00	ug/L
141-78-6	Ethyl Acetate	0.76	UD	0.76	2.00	ug/L
108-21-4	Isopropyl Acetate	0.58	UDQ	0.58	2.00	ug/L
74-83-9	Bromomethane	44.7	D	2.70	10.0	ug/L
75-00-3	Chloroethane	1.10	UD	1.10	2.00	ug/L
109-99-9	Tetrahydrofuran	2.30	UD	2.30	10.0	ug/L
75-69-4	Trichlorofluoromethane	0.68	UD	0.68	2.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	UD	0.50	2.00	ug/L
75-65-0	Tert butyl alcohol	11.1	UD	11.1	50.0	ug/L
60-29-7	Diethyl Ether	0.40	UD	0.40	2.00	ug/L
75-35-4	1,1-Dichloroethene	0.52	UD	0.52	2.00	ug/L
107-02-8	Acrolein	13.4	UD	13.4	50.0	ug/L
107-13-1	Acrylonitrile	1.80	UD	1.80	10.0	ug/L
67-64-1	Acetone	41.1	D	2.80	10.0	ug/L
75-15-0	Carbon Disulfide	0.64	UD	0.64	2.00	ug/L
1634-04-4	Methyl tert-butyl Ether	69.5	D	0.32	2.00	ug/L
79-20-9	Methyl Acetate	1.20	UD	1.20	2.00	ug/L
75-09-2	Methylene Chloride	0.64	UD	0.64	2.00	ug/L
156-60-5	trans-1,2-Dichloroethene	96.2	D	0.50	2.00	ug/L
108-05-4	Vinyl Acetate	1.40	UD	1.40	10.0	ug/L
75-34-3	1,1-Dichloroethane	0.46	UD	0.46	2.00	ug/L
110-82-7	Cyclohexane	3.20	UD	3.20	10.0	ug/L
78-93-3	2-Butanone	86.6	D	2.60	10.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	UD	0.50	2.00	ug/L
594-20-7	2,2-Dichloropropane	0.62	UD	0.62	2.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6	D	0.50	2.00	ug/L
74-97-5	Bromochloromethane	0.36	UD	0.36	2.00	ug/L
67-66-3	Chloroform	20.8	D	0.52	2.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-01DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083797.D	2		09/11/24 15:33	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	0.38	UD	0.38	2.00	ug/L
108-87-2	Methylcyclohexane	0.38	UD	0.38	2.00	ug/L
563-58-6	1,1-Dichloropropene	0.36	UD	0.36	2.00	ug/L
71-43-2	Benzene	37.3	D	0.32	2.00	ug/L
107-06-2	1,2-Dichloroethane	130	D	0.48	2.00	ug/L
79-01-6	Trichloroethene	53.3	D	0.64	2.00	ug/L
78-87-5	1,2-Dichloropropane	20.2	D	0.38	2.00	ug/L
74-95-3	Dibromomethane	15.2	D	0.46	2.00	ug/L
75-27-4	Bromodichloromethane	86.7	D	0.48	2.00	ug/L
108-10-1	4-Methyl-2-Pentanone	1.50	UD	1.50	10.0	ug/L
108-88-3	Toluene	90.7	D	0.36	2.00	ug/L
10061-02-6	t-1,3-Dichloropropene	98.5	D	0.42	2.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	98.2	D	0.36	2.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.42	UD	0.42	2.00	ug/L
142-28-9	1,3-Dichloropropane	0.34	UD	0.34	2.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	3.50	UD	3.50	10.0	ug/L
591-78-6	2-Hexanone	2.30	UD	2.30	10.0	ug/L
124-48-1	Dibromochloromethane	27.7	D	0.36	2.00	ug/L
106-93-4	1,2-Dibromoethane	37.8	D	0.32	2.00	ug/L
127-18-4	Tetrachloroethene	0.50	UD	0.50	2.00	ug/L
108-90-7	Chlorobenzene	41.2	D	0.26	2.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.42	UD	0.42	2.00	ug/L
100-41-4	Ethyl Benzene	78.7	D	0.32	2.00	ug/L
179601-23-1	m/p-Xylenes	23.9	D	0.62	4.00	ug/L
1330-20-7	Total Xylenes	123	D	0.90	6.00	ug/L
95-47-6	o-Xylene	98.8	D	0.28	2.00	ug/L
100-42-5	Styrene	93.1	D	0.32	2.00	ug/L
75-25-2	Bromoform	66.8	D	0.42	2.00	ug/L
98-82-8	Isopropylbenzene	0.26	UD	0.26	2.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.54	UD	0.54	2.00	ug/L
96-18-4	1,2,3-Trichloropropane	87.7	D	0.78	2.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-01DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083797.D	2		09/11/24 15:33	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-86-1	Bromobenzene	0.52	UD	0.52	2.00	ug/L
103-65-1	n-propylbenzene	0.28	UD	0.28	2.00	ug/L
95-49-8	2-Chlorotoluene	0.32	UD	0.32	2.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	25.7	D	0.36	2.00	ug/L
106-43-4	4-Chlorotoluene	0.36	UD	0.36	2.00	ug/L
98-06-6	tert-Butylbenzene	0.34	UD	0.34	2.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	12.5	D	0.36	2.00	ug/L
135-98-8	sec-Butylbenzene	0.34	UD	0.34	2.00	ug/L
99-87-6	p-Isopropyltoluene	0.30	UD	0.30	2.00	ug/L
541-73-1	1,3-Dichlorobenzene	80.7	D	0.48	2.00	ug/L
106-46-7	1,4-Dichlorobenzene	34.2	D	0.54	2.00	ug/L
104-51-8	n-Butylbenzene	0.44	UD	0.44	2.00	ug/L
95-50-1	1,2-Dichlorobenzene	11.6	D	0.38	2.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	110	D	0.92	2.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.84	UD	0.84	2.00	ug/L
87-68-3	Hexachlorobutadiene	0.62	UD	0.62	2.00	ug/L
91-20-3	Naphthalene	59.4	D	1.20	2.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	2.00	ug/L
628-63-7	N-amyl acetate	0.46	UD	0.46	2.00	ug/L
74-88-4	Methyl Iodide	2.40	UD	2.40	10.0	ug/L
107-05-1	Allyl chloride	0.48	UD	0.48	2.00	ug/L
126-98-7	Methacrylonitrile	0.62	UD	0.62	2.00	ug/L
97-63-2	Ethyl methacrylate	0.32	UD	0.32	2.00	ug/L
108-20-3	Diisopropyl ether	0.32	UD	0.32	2.00	ug/L
123-91-1	1,4-Dioxane	13.1	UD	13.1	200	ug/L
80-62-6	Methyl methacrylate	0.64	UD	0.64	2.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-VOA-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-01DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083797.D	2		09/11/24 15:33	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	148000	8.224			
540-36-3	1,4-Difluorobenzene	263000	9.1			
3114-55-4	Chlorobenzene-d5	235000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.794			
67-72-1	Hexachloroethane					

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

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Surrogate Summary

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P3845-01	PT-VOA-WP	1,2-Dichloroethane-d4	50	48.1	96	74	125
		Dibromofluoromethane	50	45.7	91	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	44.6	89	77	121
P3845-01DL	PT-VOA-WPDL	1,2-Dichloroethane-d4	50	52.3	105	74	125
		Dibromofluoromethane	50	49.0	98	75	124
		Toluene-d8	50	51.0	102	86	113
		4-Bromofluorobenzene	50	49.1	98	77	121
VN0910WBL01	VN0910WBL01	1,2-Dichloroethane-d4	50	52.5	105	74	125
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	48.1	96	86	113
		4-Bromofluorobenzene	50	53.5	107	77	121
VN0910WBS01	VN0910WBS01	1,2-Dichloroethane-d4	50	50.0	100	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	50.8	102	86	113
		4-Bromofluorobenzene	50	47.3	95	77	121
VN0910WBSD0	VN0910WBSD01	1,2-Dichloroethane-d4	50	46.9	94	74	125
		Dibromofluoromethane	50	45.8	92	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	45.1	90	77	121
VN0911WBL01	VN0911WBL01	1,2-Dichloroethane-d4	50	55.7	111	74	125
		Dibromofluoromethane	50	49.4	99	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	57.0	114	77	121
VN0911WBS01	VN0911WBS01	1,2-Dichloroethane-d4	50	50.6	101	74	125
		Dibromofluoromethane	50	48.7	97	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	47.0	94	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN083753.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBS01	Dichlorodifluoromethane	20	18.7	ug/L	94			69	116	
	Chloromethane	20	18.1	ug/L	91			65	116	
	Vinyl chloride	20	17.5	ug/L	88			65	117	
	Ethyl Acetate	20	18.7	ug/L	94			75	115	
	Isopropylacetate	20	18.1	ug/L	91			84	106	
	Bromomethane	20	17.3	ug/L	86			58	125	
	Chloroethane	20	16.0	ug/L	80			56	128	
	Trichlorofluoromethane	20	17.6	ug/L	88			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.8	ug/L	89			80	112	
	Tert butyl alcohol	100	93.1	ug/L	93			73	124	
	Diethyl Ether	20	17.2	ug/L	86			80	105	
	1,1-Dichloroethene	20	17.6	ug/L	88			74	110	
	Acrolein	100	100	ug/L	100			51	143	
	Acrylonitrile	100	90.8	ug/L	91			73	113	
	Acetone	100	96.0	ug/L	96			60	125	
	Carbon disulfide	20	16.6	ug/L	83			64	112	
	Methyl tert-butyl Ether	20	17.9	ug/L	90			78	114	
	Methyl Acetate	20	18.5	ug/L	93			67	125	
	Methylene Chloride	20	17.9	ug/L	90			72	114	
	trans-1,2-Dichloroethene	20	16.6	ug/L	83			75	108	
	Vinyl Acetate	100	90.9	ug/L	91			76	115	
	1,1-Dichloroethane	20	17.3	ug/L	86			78	112	
	Cyclohexane	20	16.6	ug/L	83			75	110	
	2-Butanone	100	93.6	ug/L	94			65	122	
	Carbon Tetrachloride	20	17.7	ug/L	89			77	113	
	2,2-Dichloropropane	20	18.2	ug/L	91			75	116	
	cis-1,2-Dichloroethene	20	17.7	ug/L	89			77	110	
	Chloroform	20	17.6	ug/L	88			79	113	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			80	108	
	Methylcyclohexane	20	17.8	ug/L	89			72	115	
	1,1-Dichloropropene	20	16.7	ug/L	84			79	110	
	Benzene	20	17.5	ug/L	88			82	109	
	1,2-Dichloroethane	20	18.1	ug/L	91			80	115	
	Trichloroethene	20	17.1	ug/L	86			77	113	
	1,2-Dichloropropane	20	17.6	ug/L	88			83	111	
	Dibromomethane	20	18.1	ug/L	91			82	110	
	Bromodichloromethane	20	18.1	ug/L	91			83	110	
	4-Methyl-2-Pentanone	100	94.3	ug/L	94			74	118	
	Toluene	20	18.2	ug/L	91			82	110	
	t-1,3-Dichloropropene	20	17.5	ug/L	88			79	110	
	cis-1,3-Dichloropropene	20	17.4	ug/L	87			82	110	
	1,1,2-Trichloroethane	20	17.4	ug/L	87			83	112	
	1,3-Dichloropropane	20	18.3	ug/L	92			83	111	
	2-Chloroethyl vinyl ether	100	92.5	ug/L	93			75	124	
	2-Hexanone	100	96.6	ug/L	97			73	117	
	Dibromochloromethane	20	18.5	ug/L	93			82	110	
	1,2-Dibromoethane	20	18.3	ug/L	92			81	110	
	Tetrachloroethene	20	16.9	ug/L	85			67	123	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN083753.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBS01	Chlorobenzene	20	16.9	ug/L	85			82	109	
	1,1,1,2-Tetrachloroethane	20	17.0	ug/L	85			84	111	
	Hexachloroethane	20	17.5	ug/L	88			80	113	
	Ethyl Benzene	20	17.4	ug/L	87			83	109	
	m/p-Xylenes	40	34.9	ug/L	87			82	110	
	o-Xylene	20	17.7	ug/L	89			83	109	
	Styrene	20	17.9	ug/L	90			80	111	
	Bromoform	20	18.5	ug/L	93			79	109	
	Isopropylbenzene	20	17.4	ug/L	87			83	112	
	1,1,2,2-Tetrachloroethane	20	17.4	ug/L	87			76	118	
	1,2,3-Trichloropropane	20	17.6	ug/L	88			75	112	
	Bromobenzene	20	17.3	ug/L	86			77	116	
	N-propylbenzene	20	17.7	ug/L	89			83	112	
	2-Chlorotoluene	20	17.5	ug/L	88			83	110	
	1,3,5-Trimethylbenzene	20	17.6	ug/L	88			85	112	
	4-Chlorotoluene	20	17.4	ug/L	87			82	110	
	tert-Butylbenzene	20	17.6	ug/L	88			83	112	
	1,2,4-Trimethylbenzene	20	17.7	ug/L	89			85	111	
	Sec-butylbenzene	20	17.5	ug/L	88			81	114	
	p-Isopropyltoluene	20	17.5	ug/L	88			78	116	
	1,3-Dichlorobenzene	20	16.3	ug/L	81		*	82	108	
	1,4-Dichlorobenzene	20	16.0	ug/L	80		*	82	107	
	n-Butylbenzene	20	16.5	ug/L	83			75	115	
	1,2-Dichlorobenzene	20	16.9	ug/L	85			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.9	ug/L	95			68	112	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			75	113	
	Hexachlorobutadiene	20	16.4	ug/L	82			81	121	
	Naphthalene	20	17.1	ug/L	86			78	119	
	1,2,3-Trichlorobenzene	20	16.1	ug/L	81			76	114	
	N-amyl acetate	20	18.0	ug/L	90			82	107	
	Allyl chloride	20	18.0	ug/L	90			83	103	
	Methacrylonitrile	20	18.3	ug/L	92			78	113	
	trans-1,4-Dichloro-2-butene	20	17.2	ug/L	86			79	102	
	1,4-Dioxane	400	370	ug/L	93			54	145	
	Methyl methacrylate	20	18.1	ug/L	91			81	126	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN083754.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBSD01	Dichlorodifluoromethane	20	19.4	ug/L	97	3		69	116	20
	Chloromethane	20	18.7	ug/L	94	3		65	116	20
	Vinyl chloride	20	18.7	ug/L	94	7		65	117	20
	Ethyl Acetate	20	20.6	ug/L	103	9		75	115	20
	Isopropylacetate	20	19.4	ug/L	97	6		84	106	20
	Bromomethane	20	19.1	ug/L	96	11		58	125	20
	Chloroethane	20	18.4	ug/L	92	14		56	128	20
	Trichlorofluoromethane	20	18.5	ug/L	93	6		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	8		80	112	20
	Tert butyl alcohol	100	100	ug/L	100	7		73	124	20
	Diethyl Ether	20	18.2	ug/L	91	6		80	105	20
	1,1-Dichloroethene	20	18.7	ug/L	94	7		74	110	20
	Acrolein	100	100	ug/L	100	0		51	143	20
	Acrylonitrile	100	97.4	ug/L	97	6		73	113	20
	Acetone	100	96.1	ug/L	96	0		60	125	20
	Carbon disulfide	20	17.8	ug/L	89	7		64	112	20
	Methyl tert-butyl Ether	20	18.9	ug/L	95	5		78	114	20
	Methyl Acetate	20	21.0	ug/L	105	12		67	125	20
	Methylene Chloride	20	19.0	ug/L	95	5		72	114	20
	trans-1,2-Dichloroethene	20	18.1	ug/L	91	9		75	108	20
	Vinyl Acetate	100	97.5	ug/L	98	7		76	115	20
	1,1-Dichloroethane	20	18.5	ug/L	93	8		78	112	20
	Cyclohexane	20	17.8	ug/L	89	7		75	110	20
	2-Butanone	100	97.6	ug/L	98	4		65	122	20
	Carbon Tetrachloride	20	18.9	ug/L	95	7		77	113	20
	2,2-Dichloropropane	20	18.5	ug/L	93	2		75	116	20
	cis-1,2-Dichloroethene	20	18.5	ug/L	93	4		77	110	20
	Chloroform	20	18.2	ug/L	91	3		79	113	20
	1,1,1-Trichloroethane	20	18.3	ug/L	92	2		80	108	20
	Methylcyclohexane	20	18.7	ug/L	94	5		72	115	20
	1,1-Dichloropropene	20	18.1	ug/L	91	8		79	110	20
	Benzene	20	18.8	ug/L	94	7		82	109	20
	1,2-Dichloroethane	20	18.9	ug/L	95	4		80	115	20
	Trichloroethene	20	18.7	ug/L	94	9		77	113	20
	1,2-Dichloropropane	20	18.5	ug/L	93	6		83	111	20
	Dibromomethane	20	19.4	ug/L	97	6		82	110	20
	Bromodichloromethane	20	18.8	ug/L	94	3		83	110	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	6		74	118	20
	Toluene	20	18.7	ug/L	94	3		82	110	20
	t-1,3-Dichloropropene	20	18.9	ug/L	95	8		79	110	20
	cis-1,3-Dichloropropene	20	19.1	ug/L	96	10		82	110	20
	1,1,2-Trichloroethane	20	19.0	ug/L	95	9		83	112	20
	1,3-Dichloropropane	20	19.4	ug/L	97	5		83	111	20
	2-Chloroethyl vinyl ether	100	95.2	ug/L	95	2		75	124	20
	2-Hexanone	100	100	ug/L	100	3		73	117	20
	Dibromochloromethane	20	19.1	ug/L	96	3		82	110	20
	1,2-Dibromoethane	20	19.3	ug/L	97	5		81	110	20
	Tetrachloroethene	20	17.8	ug/L	89	5		67	123	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN083754.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBSD01	Chlorobenzene	20	18.3	ug/L	92	8		82	109	20
	1,1,1,2-Tetrachloroethane	20	19.1	ug/L	96	12		84	111	20
	Ethyl Benzene	20	18.8	ug/L	94	8		83	109	20
	m/p-Xylenes	40	37.0	ug/L	93	7		82	110	20
	o-Xylene	20	19.0	ug/L	95	7		83	109	20
	Styrene	20	19.0	ug/L	95	5		80	111	20
	Bromoform	20	19.7	ug/L	99	6		79	109	20
	Isopropylbenzene	20	18.5	ug/L	93	7		83	112	20
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98	12		76	118	20
	1,2,3-Trichloropropane	20	18.5	ug/L	93	6		75	112	20
	Bromobenzene	20	17.8	ug/L	89	3		77	116	20
	N-propylbenzene	20	18.4	ug/L	92	3		83	112	20
	2-Chlorotoluene	20	18.8	ug/L	94	7		83	110	20
	1,3,5-Trimethylbenzene	20	18.2	ug/L	91	3		85	112	20
	4-Chlorotoluene	20	18.6	ug/L	93	7		82	110	20
	tert-Butylbenzene	20	18.7	ug/L	94	7		83	112	20
	1,2,4-Trimethylbenzene	20	18.8	ug/L	94	5		85	111	20
	Sec-butylbenzene	20	18.6	ug/L	93	6		81	114	20
	p-Isopropyltoluene	20	18.4	ug/L	92	4		78	116	20
	1,3-Dichlorobenzene	20	18.1	ug/L	91	12		82	108	20
	1,4-Dichlorobenzene	20	17.6	ug/L	88	10		82	107	20
	n-Butylbenzene	20	18.0	ug/L	90	8		75	115	20
	1,2-Dichlorobenzene	20	18.5	ug/L	93	9		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	5		68	112	20
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87	8		75	113	20
	Hexachlorobutadiene	20	18.0	ug/L	90	9		81	121	20
	Naphthalene	20	18.6	ug/L	93	8		78	119	20
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86	6		76	114	20
	N-amyl acetate	20	19.5	ug/L	98	9		82	107	20
	Allyl chloride	20	18.9	ug/L	95	5		83	103	20
	Methacrylonitrile	20	19.1	ug/L	96	4		78	113	20
	trans-1,4-Dichloro-2-butene	20	19.9	ug/L	100	15		79	102	20
	1,4-Dioxane	400	390	ug/L	98	5		54	145	20
	Methyl methacrylate	20	19.2	ug/L	96	5		81	126	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN083799.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0911WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			69	116	
	Chloromethane	20	18.5	ug/L	93			65	116	
	Vinyl chloride	20	18.4	ug/L	92			65	117	
	Ethyl Acetate	20	21.2	ug/L	106			75	115	
	Isopropylacetate	20	23.8	ug/L	119		*	84	106	
	Bromomethane	20	19.4	ug/L	97			58	125	
	Chloroethane	20	18.9	ug/L	95			56	128	
	Trichlorofluoromethane	20	19.0	ug/L	95			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			80	112	
	Tert butyl alcohol	100	100	ug/L	100			73	124	
	Diethyl Ether	20	19.1	ug/L	96			80	105	
	1,1-Dichloroethene	20	18.7	ug/L	94			74	110	
	Acrolein	100	89.8	ug/L	90			51	143	
	Acrylonitrile	100	100	ug/L	100			73	113	
	Acetone	100	90.0	ug/L	90			60	125	
	Carbon disulfide	20	17.3	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	19.3	ug/L	97			78	114	
	Methyl Acetate	20	21.4	ug/L	107			67	125	
	Methylene Chloride	20	19.1	ug/L	96			72	114	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			75	108	
	Vinyl Acetate	100	100	ug/L	100			76	115	
	1,1-Dichloroethane	20	19.0	ug/L	95			78	112	
	Cyclohexane	20	18.4	ug/L	92			75	110	
	2-Butanone	100	97.8	ug/L	98			65	122	
	Carbon Tetrachloride	20	18.9	ug/L	95			77	113	
	2,2-Dichloropropane	20	18.6	ug/L	93			75	116	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			80	108	
	Methylcyclohexane	20	18.7	ug/L	94			72	115	
	1,1-Dichloropropene	20	17.7	ug/L	89			79	110	
	Benzene	20	18.8	ug/L	94			82	109	
	1,2-Dichloroethane	20	20.5	ug/L	103			80	115	
	Trichloroethene	20	18.5	ug/L	93			77	113	
	1,2-Dichloropropane	20	19.8	ug/L	99			83	111	
	Dibromomethane	20	19.3	ug/L	97			82	110	
	Bromodichloromethane	20	19.3	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	19.1	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			82	110	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			83	112	
	1,3-Dichloropropane	20	20.1	ug/L	101			83	111	
	2-Chloroethyl vinyl ether	100	110	ug/L	110			75	124	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	19.7	ug/L	99			82	110	
	1,2-Dibromoethane	20	18.8	ug/L	94			81	110	
	Tetrachloroethene	20	17.4	ug/L	87			67	123	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN083799.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0911WBS01	Chlorobenzene	20	18.1	ug/L	91			82	109	
	1,1,1,2-Tetrachloroethane	20	19.0	ug/L	95			84	111	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	36.2	ug/L	91			82	110	
	o-Xylene	20	18.3	ug/L	92			83	109	
	Styrene	20	19.1	ug/L	96			80	111	
	Bromoform	20	20.2	ug/L	101			79	109	
	Isopropylbenzene	20	17.9	ug/L	90			83	112	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			76	118	
	1,2,3-Trichloropropane	20	18.7	ug/L	94			75	112	
	Bromobenzene	20	17.3	ug/L	86			77	116	
	N-propylbenzene	20	17.5	ug/L	88			83	112	
	2-Chlorotoluene	20	18.1	ug/L	91			83	110	
	1,3,5-Trimethylbenzene	20	18.3	ug/L	92			85	112	
	4-Chlorotoluene	20	17.4	ug/L	87			82	110	
	tert-Butylbenzene	20	18.3	ug/L	92			83	112	
	1,2,4-Trimethylbenzene	20	18.4	ug/L	92			85	111	
	Sec-butylbenzene	20	18.0	ug/L	90			81	114	
	p-Isopropyltoluene	20	17.6	ug/L	88			78	116	
	1,3-Dichlorobenzene	20	16.7	ug/L	84			82	108	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			82	107	
	n-Butylbenzene	20	16.3	ug/L	81			75	115	
	1,2-Dichlorobenzene	20	17.9	ug/L	90			82	109	
	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101			68	112	
	1,2,4-Trichlorobenzene	20	16.3	ug/L	81			75	113	
	Hexachlorobutadiene	20	17.3	ug/L	86			81	121	
	Naphthalene	20	17.5	ug/L	88			78	119	
	1,2,3-Trichlorobenzene	20	16.1	ug/L	81			76	114	
	N-amyl acetate	20	19.7	ug/L	99			82	107	
	Allyl chloride	20	19.1	ug/L	96			83	103	
	Methacrylonitrile	20	19.5	ug/L	98			78	113	
	trans-1,4-Dichloro-2-butene	20	17.9	ug/L	90			79	102	
	1,4-Dioxane	400	420	ug/L	105			54	145	
	Methyl methacrylate	20	20.9	ug/L	104			81	126	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0910WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083752.D Lab Sample ID: VN0910WBL01

Date Analyzed: 09/10/2024 Time Analyzed: 14:34

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
VN0910WBS01	VN0910WBS01	VN083753.D	09/10/2024
VN0910WBSD01	VN0910WBSD01	VN083754.D	09/10/2024
PT-VOA-WP	P3845-01	VN083755.D	09/10/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0911WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083793.D Lab Sample ID: VN0911WBL01

Date Analyzed: 09/11/2024 Time Analyzed: 13:57

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
PT-VOA-WPDL	P3845-01DL	VN083797.D	09/11/2024
VN0911WBS01	VN0911WBS01	VN083799.D	09/11/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083741.D BFB Injection Date: 09/10/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:02

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	21.9
75	30.0 - 60.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.5 (7.7) 1
176	95.0 - 101.0% of mass 174	68.5 (96.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 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
VSTDICC100	VSTDICC100	VN083742.D	09/10/2024	09:08
VSTDICCC050	VSTDICCC050	VN083743.D	09/10/2024	09:32
VSTDICC010	VSTDICC010	VN083745.D	09/10/2024	10:20
VSTDICC005	VSTDICC005	VN083746.D	09/10/2024	10:44
VSTDICC001	VSTDICC001	VN083747.D	09/10/2024	11:32
VSTDICC020	VSTDICC020	VN083749.D	09/10/2024	12:43
VN0910WBL01	VN0910WBL01	VN083752.D	09/10/2024	14:34
VN0910WBS01	VN0910WBS01	VN083753.D	09/10/2024	15:34
VN0910WBSD01	VN0910WBSD01	VN083754.D	09/10/2024	16:07
PT-VOA-WP	P3845-01	VN083755.D	09/10/2024	16:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083790.D BFB Injection Date: 09/11/2024

Instrument ID: MSVOA_N BFB Injection Time: 12:25

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	22.1
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	69.4 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 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
VSTDCCC050	VSTDCCC050	VN083791.D	09/11/2024	12:59
VN0911WBL01	VN0911WBL01	VN083793.D	09/11/2024	13:57
PT-VOA-WPDL	P3845-01DL	VN083797.D	09/11/2024	15:33
VN0911WBS01	VN0911WBS01	VN083799.D	09/11/2024	16:45

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083743.D Date Analyzed: 09/10/2024

Instrument ID: MSVOA_N Time Analyzed: 09:32

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	172686	8.22	304866	9.10	265988	11.87
UPPER LIMIT	345372	8.724	609732	9.6	531976	12.365
LOWER LIMIT	86343	7.724	152433	8.6	132994	11.365
EPA SAMPLE NO.						
PT-VOA-WP	150997	8.22	261805	9.10	226980	11.87
VN0910WBL01	124023	8.22	258209	9.10	273442	11.87
VN0910WBS01	162351	8.22	280742	9.10	247046	11.87
VN0910WBSD01	155285	8.22	268277	9.10	233025	11.87

IS1 = Pentafluorobenzene
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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083743.D Date Analyzed: 09/10/2024

Instrument ID: MSVOA_N Time Analyzed: 09:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	127433	13.788				
UPPER LIMIT	254866	14.288				
LOWER LIMIT	63716.5	13.288				
EPA SAMPLE NO.						
PT-VOA-WP	109081	13.79				
VN0910WBL01	126892	13.79				
VN0910WBS01	118496	13.79				
VN0910WBSD01	112657	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083791.D Date Analyzed: 09/11/2024

Instrument ID: MSVOA_N Time Analyzed: 12:59

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	152640	8.22	259748	9.10	228788	11.87
UPPER LIMIT	305280	8.724	519496	9.6	457576	12.365
LOWER LIMIT	76320	7.724	129874	8.6	114394	11.365
EPA SAMPLE NO.						
PT-VOA-WPDL	148437	8.22	263183	9.10	234657	11.87
VN0911WBL01	117065	8.22	246226	9.10	271430	11.87
VN0911WBS01	149250	8.22	261095	9.10	227203	11.87

IS1 = Pentafluorobenzene
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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: VN083791.D Date Analyzed: 09/11/2024

Instrument ID: MSVOA_N Time Analyzed: 12:59

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	116418	13.794				
UPPER LIMIT	232836	14.294				
LOWER LIMIT	58209	13.294				
EPA SAMPLE NO.						
PT-VOA-WPDL	115304	13.79				
VN0911WBL01	129037	13.79				
VN0911WBS01	111791	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBL01	SDG No.:	P3845
Lab Sample ID:	VN0910WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083752.D	1		09/10/24 14:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
108-21-4	Isopropyl Acetate	0.29	U	0.29	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
109-99-9	Tetrahydrofuran	1.20	U	1.20	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
60-29-7	Diethyl Ether	0.20	U	0.20	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBL01	SDG No.:	P3845
Lab Sample ID:	VN0910WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083752.D	1		09/10/24 14:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBL01	SDG No.:	P3845
Lab Sample ID:	VN0910WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083752.D	1		09/10/24 14:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
628-63-7	N-amyl acetate	0.23	U	0.23	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
107-05-1	Allyl chloride	0.24	U	0.24	1.00	ug/L
126-98-7	Methacrylonitrile	0.31	U	0.31	1.00	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.16	1.00	ug/L
108-20-3	Diisopropyl ether	0.16	U	0.16	1.00	ug/L
123-91-1	1,4-Dioxane	6.50	U	6.50	100	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.32	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.1		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBL01	SDG No.:	P3845
Lab Sample ID:	VN0910WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083752.D	1		09/10/24 14:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	124000	8.224			
540-36-3	1,4-Difluorobenzene	258000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			
67-72-1	Hexachloroethane					

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBL01	SDG No.:	P3845
Lab Sample ID:	VN0911WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083793.D	1		09/11/24 13:57	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
108-21-4	Isopropyl Acetate	0.29	U	0.29	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
109-99-9	Tetrahydrofuran	1.20	U	1.20	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
60-29-7	Diethyl Ether	0.20	U	0.20	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBL01	SDG No.:	P3845
Lab Sample ID:	VN0911WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083793.D	1		09/11/24 13:57	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0.29	U	0.29	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBL01	SDG No.:	P3845
Lab Sample ID:	VN0911WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083793.D	1		09/11/24 13:57	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
628-63-7	N-amyl acetate	0.23	U	0.23	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
107-05-1	Allyl chloride	0.24	U	0.24	1.00	ug/L
126-98-7	Methacrylonitrile	0.31	U	0.31	1.00	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.16	1.00	ug/L
108-20-3	Diisopropyl ether	0.16	U	0.16	1.00	ug/L
123-91-1	1,4-Dioxane	6.50	U	6.50	100	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.32	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBL01	SDG No.:	P3845
Lab Sample ID:	VN0911WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083793.D	1		09/11/24 13:57	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	57.1		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	117000	8.224			
540-36-3	1,4-Difluorobenzene	246000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.788			

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBS01	SDG No.:	P3845
Lab Sample ID:	VN0910WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083753.D	1		09/10/24 15:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		0.21	1.00	ug/L
74-87-3	Chloromethane	18.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	18.7		0.38	1.00	ug/L
108-21-4	Isopropyl Acetate	18.1		0.29	1.00	ug/L
74-83-9	Bromomethane	17.3		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
109-99-9	Tetrahydrofuran	92.6		1.20	5.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.8		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	93.1		5.60	25.0	ug/L
60-29-7	Diethyl Ether	17.2		0.20	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	1.00	ug/L
107-02-8	Acrolein	100		6.70	25.0	ug/L
107-13-1	Acrylonitrile	90.8		0.90	5.00	ug/L
67-64-1	Acetone	96.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.6		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	90.9		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	17.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.6		1.60	5.00	ug/L
78-93-3	2-Butanone	93.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.7		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	18.2		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.3		0.18	1.00	ug/L
67-66-3	Chloroform	17.6		0.26	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBS01	SDG No.:	P3845
Lab Sample ID:	VN0910WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083753.D	1		09/10/24 15:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	17.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.8		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	16.7		0.18	1.00	ug/L
71-43-2	Benzene	17.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.6		0.19	1.00	ug/L
74-95-3	Dibromomethane	18.1		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	18.1		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.3		0.75	5.00	ug/L
108-88-3	Toluene	18.2		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.4		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.4		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	18.3		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	92.5		1.80	5.00	ug/L
591-78-6	2-Hexanone	96.6		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	16.9		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	17.0		0.21	1.00	ug/L
67-72-1	Hexachloroethane	17.5		0.29	1.00	ug/L
100-41-4	Ethyl Benzene	17.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	34.9		0.31	2.00	ug/L
1330-20-7	Total Xylenes	52.6		0.45	3.00	ug/L
95-47-6	o-Xylene	17.7		0.14	1.00	ug/L
100-42-5	Styrene	17.9		0.16	1.00	ug/L
75-25-2	Bromoform	18.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.4		0.27	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBS01	SDG No.:	P3845
Lab Sample ID:	VN0910WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083753.D	1		09/10/24 15:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
96-18-4	1,2,3-Trichloropropane	17.6		0.39	1.00	ug/L
108-86-1	Bromobenzene	17.3		0.26	1.00	ug/L
103-65-1	n-propylbenzene	17.7		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	17.5		0.16	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	17.6		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	17.4		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	17.6		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	17.7		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	17.5		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	17.5		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.0		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	16.5		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	16.4		0.31	1.00	ug/L
91-20-3	Naphthalene	17.1		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.1		0.51	1.00	ug/L
628-63-7	N-amyl acetate	18.0		0.23	1.00	ug/L
74-88-4	Methyl Iodide	17.6		1.20	5.00	ug/L
107-05-1	Allyl chloride	18.0		0.24	1.00	ug/L
126-98-7	Methacrylonitrile	18.3		0.31	1.00	ug/L
97-63-2	Ethyl methacrylate	18.8		0.16	1.00	ug/L
108-20-3	Diisopropyl ether	17.6		0.16	1.00	ug/L
123-91-1	1,4-Dioxane	370		6.50	100	ug/L
80-62-6	Methyl methacrylate	18.1		0.32	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBS01	SDG No.:	P3845
Lab Sample ID:	VN0910WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083753.D	1		09/10/24 15:34	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.224			
540-36-3	1,4-Difluorobenzene	281000	9.1			
3114-55-4	Chlorobenzene-d5	247000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.794			

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBS01	SDG No.:	P3845
Lab Sample ID:	VN0911WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083799.D	1		09/11/24 16:45	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.21	1.00	ug/L
74-87-3	Chloromethane	18.5		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	21.2		0.38	1.00	ug/L
108-21-4	Isopropyl Acetate	23.8		0.29	1.00	ug/L
74-83-9	Bromomethane	19.4		1.40	5.00	ug/L
75-00-3	Chloroethane	18.9		0.56	1.00	ug/L
109-99-9	Tetrahydrofuran	100		1.20	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
60-29-7	Diethyl Ether	19.1		0.20	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.26	1.00	ug/L
107-02-8	Acrolein	89.8		6.70	25.0	ug/L
107-13-1	Acrylonitrile	100		0.90	5.00	ug/L
67-64-1	Acetone	90.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.4		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	100		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.60	5.00	ug/L
78-93-3	2-Butanone	97.8		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	18.6		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.8		0.18	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBS01	SDG No.:	P3845
Lab Sample ID:	VN0911WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083799.D	1		09/11/24 16:45	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	18.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	17.7		0.18	1.00	ug/L
71-43-2	Benzene	18.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.3		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	19.1		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.1		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	110		1.80	5.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	17.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.1		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.0		0.21	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	36.2		0.31	2.00	ug/L
1330-20-7	Total Xylenes	54.5		0.45	3.00	ug/L
95-47-6	o-Xylene	18.3		0.14	1.00	ug/L
100-42-5	Styrene	19.1		0.16	1.00	ug/L
75-25-2	Bromoform	20.2		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.7		0.39	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBS01	SDG No.:	P3845
Lab Sample ID:	VN0911WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083799.D	1		09/11/24 16:45	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-86-1	Bromobenzene	17.3		0.26	1.00	ug/L
103-65-1	n-propylbenzene	17.5		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	18.1		0.16	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.3		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	17.4		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	18.3		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	18.4		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	18.0		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	17.6		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	16.3		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.3		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	17.3		0.31	1.00	ug/L
91-20-3	Naphthalene	17.5		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.1		0.51	1.00	ug/L
628-63-7	N-amyl acetate	19.7		0.23	1.00	ug/L
74-88-4	Methyl Iodide	18.8		1.20	5.00	ug/L
107-05-1	Allyl chloride	19.1		0.24	1.00	ug/L
126-98-7	Methacrylonitrile	19.5		0.31	1.00	ug/L
97-63-2	Ethyl methacrylate	20.6		0.16	1.00	ug/L
108-20-3	Diisopropyl ether	19.5		0.16	1.00	ug/L
123-91-1	1,4-Dioxane	420		6.50	100	ug/L
80-62-6	Methyl methacrylate	20.9		0.32	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0911WBS01	SDG No.:	P3845
Lab Sample ID:	VN0911WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083799.D	1		09/11/24 16:45	VN091124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	149000	8.224			
540-36-3	1,4-Difluorobenzene	261000	9.1			
3114-55-4	Chlorobenzene-d5	227000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.794			
67-72-1	Hexachloroethane					

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	P3845
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083754.D	1		09/10/24 16:07	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	18.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	20.6		0.38	1.00	ug/L
108-21-4	Isopropyl Acetate	19.4		0.29	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	5.00	ug/L
75-00-3	Chloroethane	18.4		0.56	1.00	ug/L
109-99-9	Tetrahydrofuran	100		1.20	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
60-29-7	Diethyl Ether	18.2		0.20	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.26	1.00	ug/L
107-02-8	Acrolein	100		6.70	25.0	ug/L
107-13-1	Acrylonitrile	97.4		0.90	5.00	ug/L
67-64-1	Acetone	96.1		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.0		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	97.5		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.60	5.00	ug/L
78-93-3	2-Butanone	97.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	18.5		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.0		0.18	1.00	ug/L
67-66-3	Chloroform	18.2		0.26	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	P3845
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083754.D	1		09/10/24 16:07	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-55-6	1,1,1-Trichloroethane	18.3		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	18.1		0.18	1.00	ug/L
71-43-2	Benzene	18.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.4		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	18.7		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.0		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	19.4		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	95.2		1.80	5.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.1		0.21	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	37.0		0.31	2.00	ug/L
1330-20-7	Total Xylenes	56.0		0.45	3.00	ug/L
95-47-6	o-Xylene	19.0		0.14	1.00	ug/L
100-42-5	Styrene	19.0		0.16	1.00	ug/L
75-25-2	Bromoform	19.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.5		0.39	1.00	ug/L

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	P3845
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083754.D	1		09/10/24 16:07	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-86-1	Bromobenzene	17.8		0.26	1.00	ug/L
103-65-1	n-propylbenzene	18.4		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	18.8		0.16	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.2		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	18.6		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	18.7		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	18.8		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	18.6		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	18.4		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.1		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	18.0		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	18.0		0.31	1.00	ug/L
91-20-3	Naphthalene	18.6		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
628-63-7	N-amyl acetate	19.5		0.23	1.00	ug/L
74-88-4	Methyl Iodide	19.1		1.20	5.00	ug/L
107-05-1	Allyl chloride	18.9		0.24	1.00	ug/L
126-98-7	Methacrylonitrile	19.1		0.31	1.00	ug/L
97-63-2	Ethyl methacrylate	19.5		0.16	1.00	ug/L
108-20-3	Diisopropyl ether	18.7		0.16	1.00	ug/L
123-91-1	1,4-Dioxane	390		6.50	100	ug/L
80-62-6	Methyl methacrylate	19.2		0.32	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	P3845
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN083754.D	1		09/10/24 16:07	VN091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
363-72-4	Pentafluorobenzene	155000	8.224			
540-36-3	1,4-Difluorobenzene	268000	9.1			
3114-55-4	Chlorobenzene-d5	233000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.794			
67-72-1	Hexachloroethane					

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: MSVOA_N Calibration Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:08 12:43

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

LAB FILE ID: RRF100 = VN083742.D RRF050 = VN083743.D RRF010 = VN083745.D
RRF005 = VN083746.D RRF001 = VN083747.D RRF020 = VN083749.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.566	0.601	0.558	0.551	0.591	0.618	0.581	4.6
Chloromethane	0.573	0.623	0.619	0.657	1.083	0.689	0.707	26.6
Vinyl Chloride	0.591	0.656	0.597	0.619	0.663	0.692	0.636	6.3
Ethyl Acetate	0.432	0.458	0.393	0.429	0.385	0.527	0.437	11.8
Isopropyl Acetate	0.775	0.796	0.688	0.773	0.781	0.942	0.792	10.4
Bromomethane	0.327	0.359	0.339	0.393		0.410	0.365	9.7
Chloroethane	0.380	0.431	0.448	0.464	0.470	0.486	0.446	8.5
Trichlorofluoromethane	0.990	1.065	0.956	1.071	1.167	1.234	1.080	9.7
1,1,2-Trichlorotrifluoroethane	0.547	0.586	0.522	0.580	0.530	0.672	0.573	9.6
Tert butyl alcohol	0.089	0.101	0.089	0.110		0.115	0.101	11.7
Diethyl Ether	0.346	0.367	0.350	0.370	0.321	0.419	0.362	9.1
1,1-Dichloroethene	0.516	0.559	0.476	0.557	0.511	0.626	0.541	9.6
Acrolein	0.088	0.104	0.101	0.111		0.094	0.100	8.9
Acrylonitrile	0.253	0.275	0.243	0.277	0.283	0.316	0.275	9.2
Acetone	0.288	0.297	0.250	0.283	0.299	0.396	0.302	16.3
Carbon Disulfide	1.389	1.530	1.357	1.467	1.703	1.630	1.513	9
Methyl tert-butyl Ether	1.864	2.004	1.768	1.936	1.897	2.272	1.957	8.8
Methyl Acetate	0.607	0.667	0.601	0.751	1.033	0.748	0.735	21.8
Methylene Chloride	0.568	0.609	0.567	0.621	0.643	0.703	0.618	8.3
trans-1,2-Dichloroethene	0.533	0.581	0.522	0.617	0.584	0.640	0.580	8
Vinyl Acetate	1.485	1.546	1.254	1.394	1.310	1.727	1.453	11.9
1,1-Dichloroethane	1.069	1.145	1.014	1.165	1.168	1.295	1.143	8.4
Cyclohexane	0.965	1.017	1.017	1.244		1.206	1.090	11.6
2-Butanone	0.372	0.393	0.336	0.381	0.410	0.491	0.397	13.2
Carbon Tetrachloride	0.541	0.561	0.475	0.544	0.515	0.643	0.547	10.2
2,2-Dichloropropane	1.045	1.093	0.923	0.993	0.998	1.262	1.052	11.2
cis-1,2-Dichloroethene	0.664	0.717	0.621	0.646	0.686	0.795	0.688	9
Chloroform	1.145	1.221	1.081	1.224	1.180	1.428	1.213	9.7
1,1,1-Trichloroethane	1.063	1.137	0.989	1.131	1.081	1.293	1.116	9.1
Methylcyclohexane	0.568	0.573	0.477	0.504	0.507	0.661	0.548	12.2

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: MSVOA_N Calibration Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:08 12:43

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

LAB FILE ID: RRF100 = VN083742.D RRF050 = VN083743.D RRF010 = VN083745.D
RRF005 = VN083746.D RRF001 = VN083747.D RRF020 = VN083749.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
1,1-Dichloropropene	0.471	0.472	0.416	0.472	0.503	0.556	0.482	9.5
Benzene	1.400	1.441	1.284	1.386	1.450	1.740	1.450	10.6
1,2-Dichloroethane	0.523	0.546	0.495	0.534	0.497	0.656	0.542	11
Trichloroethene	0.323	0.340	0.300	0.306	0.354	0.392	0.336	10.2
1,2-Dichloropropane	0.338	0.349	0.303	0.345	0.339	0.428	0.350	11.9
Dibromomethane	0.242	0.254	0.221	0.246	0.213	0.298	0.245	12.2
Bromodichloromethane	0.536	0.549	0.461	0.512	0.493	0.636	0.531	11.3
4-Methyl-2-Pentanone	0.424	0.443	0.379	0.416	0.405	0.521	0.431	11.3
Toluene	0.883	0.908	0.773	0.878	0.820	1.060	0.887	11.1
t-1,3-Dichloropropene	0.550	0.559	0.467	0.510	0.519	0.626	0.539	10
cis-1,3-Dichloropropene	0.574	0.586	0.511	0.533	0.510	0.680	0.566	11.4
1,1,2-Trichloroethane	0.315	0.328	0.289	0.323	0.345	0.387	0.331	10
1,3-Dichloropropane	0.557	0.576	0.505	0.583	0.512	0.682	0.569	11.3
2-Chloroethyl Vinyl ether	0.245	0.173	0.177	0.176	0.142	0.187	0.184	18.3
2-Hexanone	0.315	0.329	0.276	0.312	0.277	0.405	0.319	14.8
Dibromochloromethane	0.378	0.392	0.335	0.342	0.337	0.440	0.371	11.1
1,2-Dibromoethane	0.324	0.332	0.285	0.309	0.342	0.391	0.330	10.8
Tetrachloroethene	0.313	0.321	0.302	0.340	0.341	0.377	0.333	8
Chlorobenzene	1.046	1.091	0.973	1.105	1.196	1.257	1.111	9.2
1,1,1,2-Tetrachloroethane	0.375	0.394	0.350	0.367	0.381	0.445	0.385	8.6
Hexachloroethane	0.608	0.642	0.593	0.626	0.699	0.658	0.638	6
Ethyl Benzene	1.985	2.029	1.747	1.889	1.913	2.281	1.974	9
m/p-Xylenes	0.734	0.754	0.652	0.688	0.713	0.856	0.733	9.6
o-Xylene	0.707	0.740	0.654	0.668	0.657	0.831	0.710	9.6
Styrene	1.208	1.244	1.008	1.072	1.100	1.354	1.164	11
Bromoform	0.272	0.278	0.226	0.257	0.223	0.301	0.260	11.8
Isopropylbenzene	3.835	4.076	3.596	3.808	3.759	4.135	3.868	5.2
1,1,2,2-Tetrachloroethane	1.015	1.095	1.064	1.181	1.298	1.165	1.137	8.9
1,2,3-Trichloropropane	0.876	0.942	0.897	1.033	1.124	1.032	0.984	9.7
Bromobenzene	0.841	0.899	0.884	0.947	1.086	0.930	0.931	9.1

* 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.

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: MSVOA_N Calibration Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:08 12:43

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

LAB FILE ID: RRF100 = VN083742.D RRF050 = VN083743.D RRF010 = VN083745.D
RRF005 = VN083746.D RRF001 = VN083747.D RRF020 = VN083749.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
n-propylbenzene	4.516	4.759	4.074	4.320	4.560	4.776	4.501	6
2-Chlorotoluene	2.700	2.893	2.717	2.887	2.959	3.067	2.870	4.9
1,3,5-Trimethylbenzene	3.204	3.419	3.028	3.122	3.309	3.486	3.261	5.4
4-Chlorotoluene	2.723	2.948	2.670	2.953	2.990	2.998	2.880	5
tert-Butylbenzene	2.796	3.014	2.627	2.726	2.890	3.067	2.853	5.9
1,2,4-Trimethylbenzene	3.225	3.483	3.059	3.184	3.217	3.488	3.276	5.3
sec-Butylbenzene	3.856	4.084	3.438	3.734	3.487	4.106	3.784	7.6
p-Isopropyltoluene	3.237	3.448	2.828	3.128	3.043	3.348	3.172	7
1,3-Dichlorobenzene	1.577	1.741	1.591	1.785	2.096	1.754	1.757	10.7
1,4-Dichlorobenzene	1.586	1.741	1.654	1.824	2.154	1.718	1.779	11.3
n-Butylbenzene	2.866	3.002	2.554	2.687	3.059	2.920	2.848	6.8
1,2-Dichlorobenzene	1.571	1.688	1.543	1.774	1.860	1.740	1.696	7.2
1,2-Dibromo-3-Chloropropane	0.219	0.237	0.214	0.233	0.220	0.237	0.227	4.5
1,2,4-Trichlorobenzene	0.861	0.932	0.848	0.907	1.038	0.875	0.910	7.7
Hexachlorobutadiene	0.352	0.374	0.362	0.373	0.461	0.397	0.386	10.3
Naphthalene	2.727	3.016	2.594	2.782	2.808	2.686	2.769	5.2
1,2,3-Trichlorobenzene	0.815	0.895	0.813	0.875	0.981	0.840	0.870	7.3
1,2-Dichloroethane-d4	0.745	0.849	0.846	0.599		0.732	0.754	13.6
Dibromofluoromethane	0.316	0.340	0.340	0.284		0.321	0.320	7.2
Toluene-d8	1.172	1.271	1.199	0.761		1.130	1.107	18.1
4-Bromofluorobenzene	0.448	0.488	0.458	0.386		0.503	0.457	9.9
N-amyl acetate	1.631	1.739	1.482	1.618	1.687	1.745	1.650	5.9
Allyl chloride	0.934	0.999	0.906	0.913	0.922	1.107	0.964	8.1
trans-1,4-Dichloro-2-butene	0.387	0.411	0.319	0.419		0.390	0.385	10.3
Methacrylonitrile	0.260	0.264	0.211	0.239	0.278	0.299	0.259	11.8
1,4-Dioxane	5.603	6.006	5.432	5.857	7.009	7.204	6.185	12
Methyl methacrylate	0.372	0.378	0.328	0.364	0.364	0.450	0.376	10.7

* 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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: MSVOA_N Calibration Date/Time: 09/11/2024 12:59

Lab File ID: VN083791.D Init. Calib. Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:08 12:43

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.581	0.608		4.65	20
Chloromethane	0.707	0.632	0.1	-10.61	20
Vinyl Chloride	0.636	0.645		1.41	20
Ethyl Acetate	0.437	0.509		16.48	20
Isopropyl Acetate	0.792	1.121		41.54	20
Bromomethane	0.365	0.366		0.27	20
Chloroethane	0.446	0.435		-2.47	20
Trichlorofluoromethane	1.080	1.102		2.04	20
1,1,2-Trichlorotrifluoroethane	0.573	0.610		6.46	20
Tert butyl alcohol	0.101	0.108		6.93	20
Diethyl Ether	0.362	0.376		3.87	20
1,1-Dichloroethene	0.541	0.546		0.92	20
Acrolein	0.100	0.101		1	20
Acrylonitrile	0.275	0.290		5.45	20
Acetone	0.302	0.326		7.95	20
Carbon Disulfide	1.513	1.434		-5.22	20
Methyl tert-butyl Ether	1.957	2.039		4.19	20
Methyl Acetate	0.735	0.703		-4.35	20
Methylene Chloride	0.618	0.628		1.62	20
trans-1,2-Dichloroethene	0.580	0.566		-2.41	20
Vinyl Acetate	1.453	1.609		10.74	20
1,1-Dichloroethane	1.143	1.149	0.1	0.52	20
Cyclohexane	1.090	1.023		-6.15	20
2-Butanone	0.397	0.423		6.55	20
Carbon Tetrachloride	0.547	0.579		5.85	20
2,2-Dichloropropane	1.052	1.120		6.46	20
cis-1,2-Dichloroethene	0.688	0.705		2.47	20
Chloroform	1.213	1.232		1.57	20
1,1,1-Trichloroethane	1.116	1.149		2.96	20
Methylcyclohexane	0.548	0.600		9.49	20
1,1-Dichloropropene	0.482	0.494		2.49	20
Benzene	1.450	1.541		6.28	20
1,2-Dichloroethane	0.542	0.581		7.2	20
Trichloroethene	0.336	0.352		4.76	20
1,2-Dichloropropane	0.350	0.380		8.57	20
Dibromomethane	0.245	0.264		7.76	20
Bromodichloromethane	0.531	0.588		10.73	20
4-Methyl-2-Pentanone	0.431	0.497		15.31	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: MSVOA_N Calibration Date/Time: 09/11/2024 12:59

Lab File ID: VN083791.D Init. Calib. Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:08 12:43

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl methacrylate	0.376	0.431		14.63	20
Toluene	0.887	0.956		7.78	20
t-1,3-Dichloropropene	0.539	0.591		9.65	20
cis-1,3-Dichloropropene	0.566	0.623		10.07	20
1,1,2-Trichloroethane	0.331	0.352		6.34	20
1,3-Dichloropropane	0.569	0.618		8.61	20
2-Chloroethyl Vinyl ether	0.184	0.242		31.52	20
2-Hexanone	0.319	0.373		16.93	20
Dibromochloromethane	0.371	0.416		12.13	20
1,2-Dibromoethane	0.330	0.358		8.48	20
Tetrachloroethene	0.333	0.338		1.5	20
Chlorobenzene	1.111	1.131	0.3	1.8	20
1,1,1,2-Tetrachloroethane	0.385	0.405		5.2	20
Hexachloroethane	0.638	0.655		2.66	20
Ethyl Benzene	1.974	2.126		7.7	20
m/p-Xylenes	0.733	0.787		7.37	20
o-Xylene	0.710	0.775		9.15	20
Styrene	1.164	1.300		11.68	20
Bromoform	0.260	0.301	0.1	15.77	20
Isopropylbenzene	3.868	3.980		2.9	20
1,1,2,2-Tetrachloroethane	1.137	1.122	0.3	-1.32	20
1,2,3-Trichloropropane	0.984	0.979		-0.51	20
Bromobenzene	0.931	0.895		-3.87	20
n-propylbenzene	4.501	4.733		5.15	20
2-Chlorotoluene	2.870	2.869		-0.04	20
1,3,5-Trimethylbenzene	3.261	3.387		3.86	20
4-Chlorotoluene	2.880	2.920		1.39	20
tert-Butylbenzene	2.853	2.994		4.94	20
1,2,4-Trimethylbenzene	3.276	3.444		5.13	20
sec-Butylbenzene	3.784	4.068		7.51	20
p-Isopropyltoluene	3.172	3.419		7.79	20
1,3-Dichlorobenzene	1.757	1.693		-3.64	20
1,4-Dichlorobenzene	1.779	1.686		-5.28	20
n-Butylbenzene	2.848	2.956		3.79	20
1,2-Dichlorobenzene	1.696	1.687		-0.53	20
1,2-Dibromo-3-Chloropropane	0.227	0.247		8.81	20
1,2,4-Trichlorobenzene	0.910	0.894		-1.76	20
Hexachlorobutadiene	0.386	0.372		-3.63	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

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Instrument ID: MSVOA_N Calibration Date/Time: 09/11/2024 12:59

Lab File ID: VN083791.D Init. Calib. Date(s): 09/10/2024 09/10/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:08 12:43

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Naphthalene	2.769	2.910		5.09	20
1,2,3-Trichlorobenzene	0.870	0.854		-1.84	20
1,2-Dichloroethane-d4	0.754	0.740		-1.86	20
Dibromofluoromethane	0.320	0.308		-3.75	20
Toluene-d8	1.107	1.130		2.08	20
4-Bromofluorobenzene	0.457	0.447		-2.19	20
N-amyl acetate	1.650	1.801		9.15	20
Allyl chloride	0.964	1.011		4.88	20
trans-1,4-Dichloro-2-butene	0.385	0.411		6.75	20
Methacrylonitrile	0.259	0.292		12.74	20
1,4-Dioxane	6.185	6.891	0.05	11.41	50

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