

LAB CHRONICLE

OrderID:	Q3560	OrderDate:	11/6/2025 10:13:00 AM
Client:	Lockwood, Kessler & Bartlett, Inc.	Project:	Syosset Landfill 2025
Contact:	John Gerlach	Location:	--Select--,J22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3560-01	SY-10D	Water	VOCMS Group1	8260-Low	11/05/25		11/06/25	11/06/25
Q3560-03	SY-10S	Water	VOCMS Group1	8260-Low	11/05/25		11/06/25	11/06/25
Q3560-05	SY-10I	Water	VOCMS Group1	8260-Low	11/05/25		11/06/25	11/06/25
Q3560-07	SY-12I	Water	VOCMS Group1	8260-Low	11/05/25		11/06/25	11/06/25
Q3560-09	SY-12D	Water	VOCMS Group1	8260-Low	11/05/25		11/07/25	11/06/25

Hit Summary Sheet SW-846

SDG No.: Q3560
Client: Lockwood, Kessler & Bartlett, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SY-10D							
Q3560-01	SY-10D	Water	Acetone	2.70	J	1.50	5.00	ug/L
Q3560-01	SY-10D	Water	Chlorobenzene	1.80		0.12	1.00	ug/L
			Total Voc :	4.50				
			Total Concentration:	4.50				
Client ID:	SY-10S							
Q3560-03	SY-10S	Water	Acetone	2.70	J	1.50	5.00	ug/L
			Total Voc :	2.70				
			Total Concentration:	2.70				
Client ID:	SY-10I							
Q3560-05	SY-10I	Water	Acetone	3.00	J	1.50	5.00	ug/L
Q3560-05	SY-10I	Water	Chloroform	13.3		0.25	1.00	ug/L
Q3560-05	SY-10I	Water	Tetrachloroethene	0.46	J	0.23	1.00	ug/L
			Total Voc :	16.8				
			Total Concentration:	16.8				
Client ID:	SY-12I							
Q3560-07	SY-12I	Water	cis-1,2-Dichloroethene	4.20		0.19	1.00	ug/L
Q3560-07	SY-12I	Water	Benzene	0.45	J	0.15	1.00	ug/L
Q3560-07	SY-12I	Water	Tetrachloroethene	1.00		0.23	1.00	ug/L
Q3560-07	SY-12I	Water	Chlorobenzene	14.0		0.12	1.00	ug/L
Q3560-07	SY-12I	Water	1,4-Dichlorobenzene	5.20		0.19	1.00	ug/L
Q3560-07	SY-12I	Water	1,2-Dichlorobenzene	2.90		0.16	1.00	ug/L
			Total Voc :	27.8				
			Total Concentration:	27.8				
Client ID:	SY-12D							
Q3560-09	SY-12D	Water	Vinyl Chloride	1.20		0.26	1.00	ug/L
Q3560-09	SY-12D	Water	Acetone	3.50	J	1.50	5.00	ug/L
Q3560-09	SY-12D	Water	Carbon Disulfide	1.30		0.21	1.00	ug/L
Q3560-09	SY-12D	Water	cis-1,2-Dichloroethene	6.00		0.19	1.00	ug/L
Q3560-09	SY-12D	Water	Chloroform	0.54	J	0.25	1.00	ug/L
Q3560-09	SY-12D	Water	Benzene	0.22	J	0.15	1.00	ug/L
Q3560-09	SY-12D	Water	Tetrachloroethene	0.86	J	0.23	1.00	ug/L
Q3560-09	SY-12D	Water	Chlorobenzene	20.2		0.12	1.00	ug/L
Q3560-09	SY-12D	Water	1,4-Dichlorobenzene	6.80		0.19	1.00	ug/L
Q3560-09	SY-12D	Water	1,2-Dichlorobenzene	4.80		0.16	1.00	ug/L
			Total Voc :	45.4				
			Total Concentration:	45.4				



SAMPLE DATA

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: SY-10D
Lab Sample ID: Q3560-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/05/25
Date Received: 11/06/25
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/06/25 17:14	VN110625
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/06/25 17:14	VN110625
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/06/25 17:14	VN110625
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 17:14	VN110625
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/06/25 17:14	VN110625
67-64-1	Acetone	2.70	J	1	1.50	5.00	ug/L	11/06/25 17:14	VN110625
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/06/25 17:14	VN110625
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/06/25 17:14	VN110625
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/06/25 17:14	VN110625
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/06/25 17:14	VN110625
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:14	VN110625
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:14	VN110625
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 17:14	VN110625
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:14	VN110625
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/06/25 17:14	VN110625
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:14	VN110625
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/06/25 17:14	VN110625
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:14	VN110625
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 17:14	VN110625
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:14	VN110625
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/06/25 17:14	VN110625
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/06/25 17:14	VN110625
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/06/25 17:14	VN110625
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/06/25 17:14	VN110625
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/06/25 17:14	VN110625
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:14	VN110625
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 17:14	VN110625
108-90-7	Chlorobenzene	1.80		1	0.12	1.00	ug/L	11/06/25 17:14	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:14	VN110625
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/06/25 17:14	VN110625
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/06/25 17:14	VN110625
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/06/25 17:14	VN110625
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:14	VN110625
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:14	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/06/25 17:14	VN110625
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/06/25 17:14	VN110625
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:14	VN110625
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/06/25 17:14	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/06/25 17:14	VN110625
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/06/25 17:14	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/06/25 17:14	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.6			74 - 125	125%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	11/05/25
Project:	Syosset Landfill 2025	Date Received:	11/06/25
Client Sample ID:	SY-10D	SDG No.:	Q3560
Lab Sample ID:	Q3560-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	51.1			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	50.0			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.3			77 - 121	115%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	254000							
540-36-3	1,4-Difluorobenzene	588000							
3114-55-4	Chlorobenzene-d5	574000							
3855-82-1	1,4-Dichlorobenzene-d4	298000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: SY-10S
Lab Sample ID: Q3560-03
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/05/25
Date Received: 11/06/25
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/06/25 17:35	VN110625
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/06/25 17:35	VN110625
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/06/25 17:35	VN110625
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 17:35	VN110625
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/06/25 17:35	VN110625
67-64-1	Acetone	2.70	J	1	1.50	5.00	ug/L	11/06/25 17:35	VN110625
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/06/25 17:35	VN110625
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/06/25 17:35	VN110625
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/06/25 17:35	VN110625
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/06/25 17:35	VN110625
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:35	VN110625
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:35	VN110625
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 17:35	VN110625
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:35	VN110625
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/06/25 17:35	VN110625
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:35	VN110625
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/06/25 17:35	VN110625
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:35	VN110625
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 17:35	VN110625
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:35	VN110625
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/06/25 17:35	VN110625
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/06/25 17:35	VN110625
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/06/25 17:35	VN110625
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/06/25 17:35	VN110625
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/06/25 17:35	VN110625
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:35	VN110625
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 17:35	VN110625
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/06/25 17:35	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:35	VN110625
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/06/25 17:35	VN110625
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/06/25 17:35	VN110625
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/06/25 17:35	VN110625
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:35	VN110625
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:35	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/06/25 17:35	VN110625
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/06/25 17:35	VN110625
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:35	VN110625
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/06/25 17:35	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/06/25 17:35	VN110625
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/06/25 17:35	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/06/25 17:35	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.3			74 - 125	121%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	11/05/25
Project:	Syosset Landfill 2025	Date Received:	11/06/25
Client Sample ID:	SY-10S	SDG No.:	Q3560
Lab Sample ID:	Q3560-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	50.8			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	49.9			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.3			77 - 121	107%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	224000							
540-36-3	1,4-Difluorobenzene	509000							
3114-55-4	Chlorobenzene-d5	489000							
3855-82-1	1,4-Dichlorobenzene-d4	234000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: SY-10I
Lab Sample ID: Q3560-05
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/05/25
Date Received: 11/06/25
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/06/25 17:56	VN110625
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/06/25 17:56	VN110625
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/06/25 17:56	VN110625
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 17:56	VN110625
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/06/25 17:56	VN110625
67-64-1	Acetone	3.00	J	1	1.50	5.00	ug/L	11/06/25 17:56	VN110625
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/06/25 17:56	VN110625
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/06/25 17:56	VN110625
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/06/25 17:56	VN110625
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/06/25 17:56	VN110625
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:56	VN110625
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:56	VN110625
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 17:56	VN110625
67-66-3	Chloroform	13.3		1	0.25	1.00	ug/L	11/06/25 17:56	VN110625
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/06/25 17:56	VN110625
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:56	VN110625
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/06/25 17:56	VN110625
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/06/25 17:56	VN110625
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 17:56	VN110625
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/06/25 17:56	VN110625
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/06/25 17:56	VN110625
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/06/25 17:56	VN110625
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/06/25 17:56	VN110625
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/06/25 17:56	VN110625
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/06/25 17:56	VN110625
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:56	VN110625
127-18-4	Tetrachloroethene	0.46	J	1	0.23	1.00	ug/L	11/06/25 17:56	VN110625
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/06/25 17:56	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:56	VN110625
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/06/25 17:56	VN110625
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/06/25 17:56	VN110625
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/06/25 17:56	VN110625
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/06/25 17:56	VN110625
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:56	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/06/25 17:56	VN110625
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/06/25 17:56	VN110625
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/06/25 17:56	VN110625
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/06/25 17:56	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/06/25 17:56	VN110625
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/06/25 17:56	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/06/25 17:56	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.2			74 - 125	120%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	11/05/25
Project:	Syosset Landfill 2025	Date Received:	11/06/25
Client Sample ID:	SY-10I	SDG No.:	Q3560
Lab Sample ID:	Q3560-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	51.0			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	49.7			86 - 113	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.8			77 - 121	108%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	219000							
540-36-3	1,4-Difluorobenzene	503000							
3114-55-4	Chlorobenzene-d5	478000							
3855-82-1	1,4-Dichlorobenzene-d4	234000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: SY-12I
Lab Sample ID: Q3560-07
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/05/25
Date Received: 11/06/25
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/06/25 18:16	VN110625
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/06/25 18:16	VN110625
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/06/25 18:16	VN110625
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 18:16	VN110625
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/06/25 18:16	VN110625
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/06/25 18:16	VN110625
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/06/25 18:16	VN110625
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/06/25 18:16	VN110625
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/06/25 18:16	VN110625
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/06/25 18:16	VN110625
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/06/25 18:16	VN110625
156-59-2	cis-1,2-Dichloroethene	4.20		1	0.19	1.00	ug/L	11/06/25 18:16	VN110625
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 18:16	VN110625
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/06/25 18:16	VN110625
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/06/25 18:16	VN110625
71-43-2	Benzene	0.45	J	1	0.15	1.00	ug/L	11/06/25 18:16	VN110625
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/06/25 18:16	VN110625
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/06/25 18:16	VN110625
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 18:16	VN110625
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/06/25 18:16	VN110625
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/06/25 18:16	VN110625
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/06/25 18:16	VN110625
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/06/25 18:16	VN110625
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/06/25 18:16	VN110625
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/06/25 18:16	VN110625
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/06/25 18:16	VN110625
127-18-4	Tetrachloroethene	1.00		1	0.23	1.00	ug/L	11/06/25 18:16	VN110625
108-90-7	Chlorobenzene	14.0		1	0.12	1.00	ug/L	11/06/25 18:16	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/06/25 18:16	VN110625
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/06/25 18:16	VN110625
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/06/25 18:16	VN110625
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/06/25 18:16	VN110625
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/06/25 18:16	VN110625
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/06/25 18:16	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/06/25 18:16	VN110625
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/06/25 18:16	VN110625
106-46-7	1,4-Dichlorobenzene	5.20		1	0.19	1.00	ug/L	11/06/25 18:16	VN110625
95-50-1	1,2-Dichlorobenzene	2.90		1	0.16	1.00	ug/L	11/06/25 18:16	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/06/25 18:16	VN110625
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/06/25 18:16	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/06/25 18:16	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.5			74 - 125	125%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	11/05/25
Project:	Syosset Landfill 2025	Date Received:	11/06/25
Client Sample ID:	SY-12I	SDG No.:	Q3560
Lab Sample ID:	Q3560-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	52.2			75 - 124	104%	SPK: 50		
2037-26-5	Toluene-d8	50.1			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.4			77 - 121	113%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	276000							
540-36-3	1,4-Difluorobenzene	629000							
3114-55-4	Chlorobenzene-d5	619000							
3855-82-1	1,4-Dichlorobenzene-d4	309000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: SY-12D
Lab Sample ID: Q3560-09
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/05/25
Date Received: 11/06/25
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	1.20		1	0.26	1.00	ug/L	11/07/25 14:12	VN110725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/07/25 14:12	VN110725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/07/25 14:12	VN110725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/07/25 14:12	VN110725
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/07/25 14:12	VN110725
67-64-1	Acetone	3.50	J	1	1.50	5.00	ug/L	11/07/25 14:12	VN110725
75-15-0	Carbon Disulfide	1.30		1	0.21	1.00	ug/L	11/07/25 14:12	VN110725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/07/25 14:12	VN110725
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/07/25 14:12	VN110725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/07/25 14:12	VN110725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/07/25 14:12	VN110725
156-59-2	cis-1,2-Dichloroethene	6.00		1	0.19	1.00	ug/L	11/07/25 14:12	VN110725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/07/25 14:12	VN110725
67-66-3	Chloroform	0.54	J	1	0.25	1.00	ug/L	11/07/25 14:12	VN110725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/07/25 14:12	VN110725
71-43-2	Benzene	0.22	J	1	0.15	1.00	ug/L	11/07/25 14:12	VN110725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/07/25 14:12	VN110725
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/07/25 14:12	VN110725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/07/25 14:12	VN110725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/07/25 14:12	VN110725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/07/25 14:12	VN110725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/07/25 14:12	VN110725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/07/25 14:12	VN110725
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/07/25 14:12	VN110725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/07/25 14:12	VN110725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/07/25 14:12	VN110725
127-18-4	Tetrachloroethene	0.86	J	1	0.23	1.00	ug/L	11/07/25 14:12	VN110725
108-90-7	Chlorobenzene	20.2		1	0.12	1.00	ug/L	11/07/25 14:12	VN110725
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/07/25 14:12	VN110725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/07/25 14:12	VN110725
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/07/25 14:12	VN110725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/07/25 14:12	VN110725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/07/25 14:12	VN110725
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/07/25 14:12	VN110725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/07/25 14:12	VN110725
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/07/25 14:12	VN110725
106-46-7	1,4-Dichlorobenzene	6.80		1	0.19	1.00	ug/L	11/07/25 14:12	VN110725
95-50-1	1,2-Dichlorobenzene	4.80		1	0.16	1.00	ug/L	11/07/25 14:12	VN110725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/07/25 14:12	VN110725
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/07/25 14:12	VN110725
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/07/25 14:12	VN110725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.0			74 - 125	120%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	11/05/25
Project:	Syosset Landfill 2025	Date Received:	11/06/25
Client Sample ID:	SY-12D	SDG No.:	Q3560
Lab Sample ID:	Q3560-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	52.1			75 - 124	104%	SPK: 50		
2037-26-5	Toluene-d8	49.0			86 - 113	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.4			77 - 121	111%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	211000							
540-36-3	1,4-Difluorobenzene	475000							
3114-55-4	Chlorobenzene-d5	456000							
3855-82-1	1,4-Dichlorobenzene-d4	218000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3560**

Client: **Lockwood, Kessler & Bartlett, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3560-01	SY-10D	1,2-Dichloroethane-d4	50	62.6	125		74	125
		Dibromofluoromethane	50	51.0	102		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	57.3	115		77	121
Q3560-03	SY-10S	1,2-Dichloroethane-d4	50	60.3	121		74	125
		Dibromofluoromethane	50	50.8	102		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	53.3	107		77	121
Q3560-05	SY-10I	1,2-Dichloroethane-d4	50	60.2	120		74	125
		Dibromofluoromethane	50	51.0	102		75	124
		Toluene-d8	50	49.7	99		86	113
		4-Bromofluorobenzene	50	53.8	108		77	121
Q3560-07	SY-12I	1,2-Dichloroethane-d4	50	62.5	125		74	125
		Dibromofluoromethane	50	52.2	104		75	124
		Toluene-d8	50	50.1	100		86	113
		4-Bromofluorobenzene	50	56.4	113		77	121
Q3560-09	SY-12D	1,2-Dichloroethane-d4	50	60.0	120		74	125
		Dibromofluoromethane	50	52.1	104		75	124
		Toluene-d8	50	49.0	98		86	113
		4-Bromofluorobenzene	50	55.4	111		77	121
VN1106WBL01	VN1106WBL01	1,2-Dichloroethane-d4	50	58.8	118		74	125
		Dibromofluoromethane	50	50.2	100		75	124
		Toluene-d8	50	49.7	99		86	113
		4-Bromofluorobenzene	50	56.1	112		77	121
VN1106WBS01	VN1106WBS01	1,2-Dichloroethane-d4	50	50.8	102		74	125
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	48.9	98		86	113
		4-Bromofluorobenzene	50	50.5	101		77	121
VN1106WBSD0	VN1106WBSD01	1,2-Dichloroethane-d4	50	56.4	113		74	125
		Dibromofluoromethane	50	52.7	105		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	51.7	103		77	121
VN1107WBL01	VN1107WBL01	1,2-Dichloroethane-d4	50	60.6	121		74	125
		Dibromofluoromethane	50	52.2	104		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	53.7	107		77	121
VN1107WBS01	VN1107WBS01	1,2-Dichloroethane-d4	50	55.4	111		74	125
		Dibromofluoromethane	50	51.4	103		75	124
		Toluene-d8	50	47.9	96		86	113
		4-Bromofluorobenzene	50	49.3	99		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3560</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Lockwood, Kessler & Bartlett, Inc.</u>	Datafile :	<u>VN088201.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1106WBS01	Vinyl chloride	20	17.7	ug/L	89			65	117	
	Chloroethane	20	15.9	ug/L	79			56	128	
	Trichlorofluoromethane	20	17.2	ug/L	86			73	115	
	1,1-Dichloroethene	20	16.9	ug/L	85			74	110	
	Acrylonitrile	100	96.1	ug/L	96			73	113	
	Acetone	100	85.8	ug/L	86			60	125	
	Carbon disulfide	20	16.3	ug/L	81			64	112	
	Methylene Chloride	20	16.9	ug/L	85			72	114	
	Vinyl Acetate	100	97.2	ug/L	97			76	115	
	2-Butanone	100	94.8	ug/L	95			65	122	
	Carbon Tetrachloride	20	19.8	ug/L	99			77	113	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			77	110	
	Bromochloromethane	20	21.5	ug/L	108			70	124	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			80	108	
	Benzene	20	18.9	ug/L	95			82	109	
	1,2-Dichloropropane	20	19.2	ug/L	96			83	111	
	Dibromomethane	20	19.9	ug/L	100			82	110	
	Bromodichloromethane	20	20.1	ug/L	101			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	18.9	ug/L	95			82	110	
	t-1,3-Dichloropropene	20	20.3	ug/L	102			79	110	
	cis-1,3-Dichloropropene	20	19.9	ug/L	100			82	110	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	19.7	ug/L	99			82	110	
	1,2-Dibromoethane	20	19.4	ug/L	97			81	110	
	Tetrachloroethene	20	18.7	ug/L	94			67	123	
	Chlorobenzene	20	19.4	ug/L	97			82	109	
	1,1,1,2-Tetrachloroethane	20	20.1	ug/L	101			84	111	
	Ethyl Benzene	20	19.5	ug/L	98			83	109	
	m/p-Xylenes	40	39.0	ug/L	98			82	110	
	o-Xylene	20	20.0	ug/L	100			83	109	
	Styrene	20	20.4	ug/L	102			80	111	
	Bromoform	20	20.6	ug/L	103			79	109	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			76	118	
	1,2,3-Trichloropropane	20	21.6	ug/L	108			75	112	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101			68	112	
	Methyl iodide	20	18.1	ug/L	91			70	130	
	trans-1,4-Dichloro-2-butene	20	18.4	ug/L	92			79	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3560</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Lockwood, Kessler & Bartlett, Inc.</u>	Datafile :	<u>VN088218.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1106WBSD01	Vinyl chloride	20	17.9	ug/L	90	1		65	117	19
	Chloroethane	20	16.7	ug/L	84	6		56	128	20
	Trichlorofluoromethane	20	17.4	ug/L	87	1		73	115	16
	1,1-Dichloroethene	20	16.5	ug/L	83	2		74	110	20
	Acrylonitrile	100	110	ug/L	110	14		73	113	29
	Acetone	100	95.9	ug/L	96	11		60	125	20
	Carbon disulfide	20	17.0	ug/L	85	5		64	112	20
	Methylene Chloride	20	19.2	ug/L	96	12		72	114	20
	Vinyl Acetate	100	100	ug/L	100	3		76	115	26
	2-Butanone	100	110	ug/L	110	15		65	122	26
	Carbon Tetrachloride	20	19.2	ug/L	96	3		77	113	15
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	6		77	110	20
	Bromochloromethane	20	21.1	ug/L	106	2		70	124	20
	Chloroform	20	20.0	ug/L	100	5		79	113	20
	1,1,1-Trichloroethane	20	19.4	ug/L	97	2		80	108	20
	Benzene	20	19.1	ug/L	96	1		82	109	15
	1,2-Dichloropropane	20	19.5	ug/L	98	2		83	111	16
	Dibromomethane	20	20.1	ug/L	101	1		82	110	20
	Bromodichloromethane	20	20.1	ug/L	101	0		83	110	16
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		74	118	25
	Toluene	20	18.9	ug/L	95	0		82	110	16
	t-1,3-Dichloropropene	20	19.6	ug/L	98	4		79	110	20
	cis-1,3-Dichloropropene	20	19.7	ug/L	99	1		82	110	16
	2-Hexanone	100	100	ug/L	100	0		73	117	25
	Dibromochloromethane	20	19.2	ug/L	96	3		82	110	20
	1,2-Dibromoethane	20	19.4	ug/L	97	0		81	110	20
	Tetrachloroethene	20	18.9	ug/L	95	1		67	123	15
	Chlorobenzene	20	19.3	ug/L	97	0		82	109	15
	1,1,1,2-Tetrachloroethane	20	20.0	ug/L	100	1		84	111	20
	Ethyl Benzene	20	19.0	ug/L	95	3		83	109	16
	m/p-Xylenes	40	37.9	ug/L	95	3		82	110	15
	o-Xylene	20	19.5	ug/L	98	2		83	109	20
	Styrene	20	19.8	ug/L	99	3		80	111	17
	Bromoform	20	19.9	ug/L	100	3		79	109	20
	1,1,2,2-Tetrachloroethane	20	21.1	ug/L	106	7		76	118	20
	1,2,3-Trichloropropane	20	18.5	ug/L	93	15		75	112	20
	1,4-Dichlorobenzene	20	18.7	ug/L	94	0		82	107	15
	1,2-Dichlorobenzene	20	19.6	ug/L	98	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/L	100	1		68	112	20
	Methyl iodide	20	18.7	ug/L	94	3		70	130	20
	trans-1,4-Dichloro-2-butene	20	18.8	ug/L	94	2		79	102	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3560</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Lockwood, Kessler & Bartlett, Inc.</u>	Datafile :	<u>VN088225.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1107WBS01	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Chloroethane	20	17.2	ug/L	86			56	128	
	Trichlorofluoromethane	20	16.9	ug/L	85			73	115	
	1,1-Dichloroethene	20	16.7	ug/L	84			74	110	
	Acrylonitrile	100	110	ug/L	110			73	113	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methylene Chloride	20	20.6	ug/L	103			72	114	
	Vinyl Acetate	100	110	ug/L	110			76	115	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	19.1	ug/L	96			77	113	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			77	110	
	Bromochloromethane	20	21.5	ug/L	108			70	124	
	Chloroform	20	21.4	ug/L	107			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Benzene	20	20.3	ug/L	102			82	109	
	1,2-Dichloropropane	20	20.9	ug/L	104			83	111	
	Dibromomethane	20	20.6	ug/L	103			82	110	
	Bromodichloromethane	20	21.6	ug/L	108			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	19.5	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	20.6	ug/L	103			79	110	
	cis-1,3-Dichloropropene	20	21.3	ug/L	106			82	110	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.1	ug/L	101			82	110	
	1,2-Dibromoethane	20	20.3	ug/L	102			81	110	
	Tetrachloroethene	20	17.9	ug/L	90			67	123	
	Chlorobenzene	20	19.8	ug/L	99			82	109	
	1,1,1,2-Tetrachloroethane	20	20.4	ug/L	102			84	111	
	Ethyl Benzene	20	19.5	ug/L	98			83	109	
	m/p-Xylenes	40	38.1	ug/L	95			82	110	
	o-Xylene	20	20.2	ug/L	101			83	109	
	Styrene	20	20.4	ug/L	102			80	111	
	Bromoform	20	20.3	ug/L	102			79	109	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			76	118	
	1,2,3-Trichloropropane	20	19.0	ug/L	95			75	112	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			82	107	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/L	100			68	112	
	Methyl iodide	20	21.0	ug/L	105			70	130	
	trans-1,4-Dichloro-2-butene	20	17.3	ug/L	86			79	102	

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1106WBL01

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3560

Lab File ID: VN088199.D

Lab Sample ID: VN1106WBL01

Date Analyzed: 11/06/2025

Time Analyzed: 12:09

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
VN1106WBS01	VN1106WBS01	VN088201.D	11/06/2025
SY-10D	Q3560-01	VN088212.D	11/06/2025
SY-10S	Q3560-03	VN088213.D	11/06/2025
SY-10I	Q3560-05	VN088214.D	11/06/2025
SY-12I	Q3560-07	VN088215.D	11/06/2025
VN1106WBSD01	VN1106WBSD01	VN088218.D	11/06/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1107WBL01

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3560

Lab File ID: VN088224.D

Lab Sample ID: VN1107WBL01

Date Analyzed: 11/07/2025

Time Analyzed: 11:00

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
VN1107WBS01	VN1107WBS01	VN088225.D	11/07/2025
SY-12D	Q3560-09	VN088231.D	11/07/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3560

Lab File ID: VN088077.D

BFB Injection Date: 10/23/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:09

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	21.7
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	64.7
175	5.0 - 9.0% of mass 174	5.8 (8.9) 1
176	95.0 - 101.0% of mass 174	62.6 (96.8) 1
177	5.0 - 9.0% of mass 176	4.5 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN088078.D	10/23/2025	09:42
VSTDIC005	VSTDIC005	VN088079.D	10/23/2025	10:38
VSTDIC020	VSTDIC020	VN088080.D	10/23/2025	10:59
VSTDIC050	VSTDIC050	VN088081.D	10/23/2025	11:20
VSTDIC100	VSTDIC100	VN088082.D	10/23/2025	11:41
VSTDIC150	VSTDIC150	VN088083.D	10/23/2025	12:02

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3560

Lab File ID: VN088196.D

BFB Injection Date: 11/06/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:20

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	23.8
75	30.0 - 60.0% of mass 95	58.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	67.9
175	5.0 - 9.0% of mass 174	5.3 (7.8) 1
176	95.0 - 101.0% of mass 174	64.9 (95.6) 1
177	5.0 - 9.0% of mass 176	3.9 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088197.D	11/06/2025	11:00
VN1106WBL01	VN1106WBL01	VN088199.D	11/06/2025	12:09
VN1106WBS01	VN1106WBS01	VN088201.D	11/06/2025	12:53
SY-10D	Q3560-01	VN088212.D	11/06/2025	17:14
SY-10S	Q3560-03	VN088213.D	11/06/2025	17:35
SY-10I	Q3560-05	VN088214.D	11/06/2025	17:56
SY-12I	Q3560-07	VN088215.D	11/06/2025	18:16
VN1106WBSD01	VN1106WBSD01	VN088218.D	11/06/2025	19:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3560

Lab File ID: VN088221.D

BFB Injection Date: 11/07/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:12

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	22.7
75	30.0 - 60.0% of mass 95	57.9
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	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	66.3 (95.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088222.D	11/07/2025	09:49
VN1107WBL01	VN1107WBL01	VN088224.D	11/07/2025	11:00
VN1107WBS01	VN1107WBS01	VN088225.D	11/07/2025	11:47
SY-12D	Q3560-09	VN088231.D	11/07/2025	14:12

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: LOCK01
Lab Code: ACE SDG NO.: Q3560
Lab File ID: VN088197.D Date Analyzed: 11/06/2025
Instrument ID: MSVOA_N Time Analyzed: 11:00
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	361073	8.21	666324	9.08	581281	11.85
UPPER LIMIT	722146	8.706	1332650	9.582	1162560	12.347
LOWER LIMIT	180537	7.706	333162	8.582	290641	11.347
EPA SAMPLE NO.						
SY-10D	253683	8.21	587927	9.08	574358	11.84
SY-10S	223922	8.21	508531	9.08	488671	11.84
SY-10I	219388	8.21	502558	9.08	478183	11.84
SY-12I	275832	8.21	628960	9.08	619366	11.84
VN1106WBL01	338872	8.21	766389	9.08	734647	11.84
VN1106WBS01	371844	8.21	669973	9.08	573811	11.84
VN1106WBSD01	315748	8.21	600237	9.08	522703	11.84

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3560</u>
Lab File ID:	<u>VN088197.D</u>	Date Analyzed:	<u>11/06/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>11:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	283428	13.77				
UPPER LIMIT	566856	14.27				
LOWER LIMIT	141714	13.27				
EPA SAMPLE NO.						
SY-10D	297689	13.77				
SY-10S	234197	13.77				
SY-10I	233723	13.77				
SY-12I	309131	13.77				
VN1106WBL01	362059	13.77				
VN1106WBS01	278028	13.77				
VN1106WBSD01	246663	13.77				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3560</u>
Lab File ID:	<u>VN088222.D</u>	Date Analyzed:	<u>11/07/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>09:49</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	312291	8.21	595955	9.08	524310	11.84
UPPER LIMIT	624582	8.706	1191910	9.582	1048620	12.341
LOWER LIMIT	156146	7.706	297978	8.582	262155	11.341
EPA SAMPLE NO.						
SY-12D	211115	8.21	474557	9.08	456150	11.84
VN1107WBL01	218414	8.21	497944	9.08	470093	11.85
VN1107WBS01	316837	8.21	610543	9.08	528698	11.85

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3560</u>
Lab File ID:	<u>VN088222.D</u>	Date Analyzed:	<u>11/07/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>09:49</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	253740	13.77				
UPPER LIMIT	507480	14.27				
LOWER LIMIT	126870	13.27				
EPA SAMPLE NO.						
SY-12D	218223	13.77				
VN1107WBL01	225246	13.77				
VN1107WBS01	262907	13.77				

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

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: VN1106WBL01
Lab Sample ID: VN1106WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/06/25 12:09	VN110625
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/06/25 12:09	VN110625
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/06/25 12:09	VN110625
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 12:09	VN110625
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/06/25 12:09	VN110625
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/06/25 12:09	VN110625
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/06/25 12:09	VN110625
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/06/25 12:09	VN110625
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/06/25 12:09	VN110625
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/06/25 12:09	VN110625
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/06/25 12:09	VN110625
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/06/25 12:09	VN110625
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 12:09	VN110625
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/06/25 12:09	VN110625
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/06/25 12:09	VN110625
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/06/25 12:09	VN110625
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/06/25 12:09	VN110625
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/06/25 12:09	VN110625
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/06/25 12:09	VN110625
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/06/25 12:09	VN110625
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/06/25 12:09	VN110625
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/06/25 12:09	VN110625
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/06/25 12:09	VN110625
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/06/25 12:09	VN110625
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/06/25 12:09	VN110625
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/06/25 12:09	VN110625
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/06/25 12:09	VN110625
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/06/25 12:09	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/06/25 12:09	VN110625
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/06/25 12:09	VN110625
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/06/25 12:09	VN110625
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/06/25 12:09	VN110625
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/06/25 12:09	VN110625
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/06/25 12:09	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/06/25 12:09	VN110625
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/06/25 12:09	VN110625
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/06/25 12:09	VN110625
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/06/25 12:09	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/06/25 12:09	VN110625
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/06/25 12:09	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/06/25 12:09	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.8			74 - 125	118%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Syosset Landfill 2025	Date Received:	
Client Sample ID:	VN1106WBL01	SDG No.:	Q3560
Lab Sample ID:	VN1106WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	50.2			75 - 124	100%	SPK: 50		
2037-26-5	Toluene-d8	49.7			86 - 113	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			77 - 121	112%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	339000							
540-36-3	1,4-Difluorobenzene	766000							
3114-55-4	Chlorobenzene-d5	735000							
3855-82-1	1,4-Dichlorobenzene-d4	362000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: VN1107WBL01
Lab Sample ID: VN1107WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/07/25 11:00	VN110725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/07/25 11:00	VN110725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/07/25 11:00	VN110725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/07/25 11:00	VN110725
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/07/25 11:00	VN110725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/07/25 11:00	VN110725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/07/25 11:00	VN110725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/07/25 11:00	VN110725
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/07/25 11:00	VN110725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/07/25 11:00	VN110725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/07/25 11:00	VN110725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/07/25 11:00	VN110725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/07/25 11:00	VN110725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/07/25 11:00	VN110725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/07/25 11:00	VN110725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/07/25 11:00	VN110725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/07/25 11:00	VN110725
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/07/25 11:00	VN110725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/07/25 11:00	VN110725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/07/25 11:00	VN110725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/07/25 11:00	VN110725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/07/25 11:00	VN110725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/07/25 11:00	VN110725
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/07/25 11:00	VN110725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/07/25 11:00	VN110725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/07/25 11:00	VN110725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/07/25 11:00	VN110725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/07/25 11:00	VN110725
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/07/25 11:00	VN110725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/07/25 11:00	VN110725
1330-20-7	Total Xylenes	0.36	U	1	0.36	3.00	ug/L	11/07/25 11:00	VN110725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/07/25 11:00	VN110725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/07/25 11:00	VN110725
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/07/25 11:00	VN110725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/07/25 11:00	VN110725
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/07/25 11:00	VN110725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/07/25 11:00	VN110725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/07/25 11:00	VN110725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/07/25 11:00	VN110725
74-88-4	Methyl Iodide	0.83	U	1	0.83	5.00	ug/L	11/07/25 11:00	VN110725
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	1	0.84	5.00	ug/L	11/07/25 11:00	VN110725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.6			74 - 125	121%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Syosset Landfill 2025	Date Received:	
Client Sample ID:	VN1107WBL01	SDG No.:	Q3560
Lab Sample ID:	VN1107WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	52.2			75 - 124	104%	SPK: 50		
2037-26-5	Toluene-d8	49.6			86 - 113	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.7			77 - 121	107%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	218000							
540-36-3	1,4-Difluorobenzene	498000							
3114-55-4	Chlorobenzene-d5	470000							
3855-82-1	1,4-Dichlorobenzene-d4	225000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: VN1106WBS01
Lab Sample ID: VN1106WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	17.7		1	0.26	1.00	ug/L	11/06/25 12:53	VN110625
75-00-3	Chloroethane	15.9		1	0.47	1.00	ug/L	11/06/25 12:53	VN110625
75-69-4	Trichlorofluoromethane	17.2		1	0.33	1.00	ug/L	11/06/25 12:53	VN110625
75-35-4	1,1-Dichloroethene	16.9		1	0.23	1.00	ug/L	11/06/25 12:53	VN110625
107-13-1	Acrylonitrile	96.1		1	0.83	5.00	ug/L	11/06/25 12:53	VN110625
67-64-1	Acetone	85.8		1	1.50	5.00	ug/L	11/06/25 12:53	VN110625
75-15-0	Carbon Disulfide	16.3		1	0.21	1.00	ug/L	11/06/25 12:53	VN110625
75-09-2	Methylene Chloride	16.9		1	0.28	1.00	ug/L	11/06/25 12:53	VN110625
108-05-4	Vinyl Acetate	97.2		1	0.66	5.00	ug/L	11/06/25 12:53	VN110625
78-93-3	2-Butanone	94.8		1	0.98	5.00	ug/L	11/06/25 12:53	VN110625
56-23-5	Carbon Tetrachloride	19.8		1	0.25	1.00	ug/L	11/06/25 12:53	VN110625
156-59-2	cis-1,2-Dichloroethene	18.0		1	0.19	1.00	ug/L	11/06/25 12:53	VN110625
74-97-5	Bromochloromethane	21.5		1	0.22	1.00	ug/L	11/06/25 12:53	VN110625
67-66-3	Chloroform	18.9		1	0.25	1.00	ug/L	11/06/25 12:53	VN110625
71-55-6	1,1,1-Trichloroethane	18.9		1	0.20	1.00	ug/L	11/06/25 12:53	VN110625
71-43-2	Benzene	18.9		1	0.15	1.00	ug/L	11/06/25 12:53	VN110625
78-87-5	1,2-Dichloropropane	19.2		1	0.20	1.00	ug/L	11/06/25 12:53	VN110625
74-95-3	Dibromomethane	19.9		1	0.25	1.00	ug/L	11/06/25 12:53	VN110625
75-27-4	Bromodichloromethane	20.1		1	0.22	1.00	ug/L	11/06/25 12:53	VN110625
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/06/25 12:53	VN110625
108-88-3	Toluene	18.9		1	0.14	1.00	ug/L	11/06/25 12:53	VN110625
10061-02-6	t-1,3-Dichloropropene	20.3		1	0.17	1.00	ug/L	11/06/25 12:53	VN110625
10061-01-5	cis-1,3-Dichloropropene	19.9		1	0.16	1.00	ug/L	11/06/25 12:53	VN110625
591-78-6	2-Hexanone	100		1	0.89	5.00	ug/L	11/06/25 12:53	VN110625
124-48-1	Dibromochloromethane	19.7		1	0.18	1.00	ug/L	11/06/25 12:53	VN110625
106-93-4	1,2-Dibromoethane	19.4		1	0.15	1.00	ug/L	11/06/25 12:53	VN110625
127-18-4	Tetrachloroethene	18.7		1	0.23	1.00	ug/L	11/06/25 12:53	VN110625
108-90-7	Chlorobenzene	19.4		1	0.12	1.00	ug/L	11/06/25 12:53	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	20.1		1	0.19	1.00	ug/L	11/06/25 12:53	VN110625
100-41-4	Ethyl Benzene	19.5		1	0.13	1.00	ug/L	11/06/25 12:53	VN110625
1330-20-7	Total Xylenes	59.0		1	0.36	3.00	ug/L	11/06/25 12:53	VN110625
95-47-6	o-Xylene	20.0		1	0.12	1.00	ug/L	11/06/25 12:53	VN110625
100-42-5	Styrene	20.4		1	0.15	1.00	ug/L	11/06/25 12:53	VN110625
75-25-2	Bromoform	20.6		1	0.19	1.00	ug/L	11/06/25 12:53	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1	0.26	1.00	ug/L	11/06/25 12:53	VN110625
96-18-4	1,2,3-Trichloropropane	21.6		1	0.35	1.00	ug/L	11/06/25 12:53	VN110625
106-46-7	1,4-Dichlorobenzene	18.7		1	0.19	1.00	ug/L	11/06/25 12:53	VN110625
95-50-1	1,2-Dichlorobenzene	19.6		1	0.16	1.00	ug/L	11/06/25 12:53	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1	0.53	1.00	ug/L	11/06/25 12:53	VN110625
74-88-4	Methyl Iodide	18.1		1	0.83	5.00	ug/L	11/06/25 12:53	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	18.4		1	0.84	5.00	ug/L	11/06/25 12:53	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.8			74 - 125	102%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Syosset Landfill 2025	Date Received:	
Client Sample ID:	VN1106WBS01	SDG No.:	Q3560
Lab Sample ID:	VN1106WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	50.5			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	48.9			86 - 113	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.5			77 - 121	101%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	372000							
540-36-3	1,4-Difluorobenzene	670000							
3114-55-4	Chlorobenzene-d5	574000							
3855-82-1	1,4-Dichlorobenzene-d4	278000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: VN1107WBS01
Lab Sample ID: VN1107WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	18.8		1	0.26	1.00	ug/L	11/07/25 11:47	VN110725
75-00-3	Chloroethane	17.2		1	0.47	1.00	ug/L	11/07/25 11:47	VN110725
75-69-4	Trichlorofluoromethane	16.9		1	0.33	1.00	ug/L	11/07/25 11:47	VN110725
75-35-4	1,1-Dichloroethene	16.7		1	0.23	1.00	ug/L	11/07/25 11:47	VN110725
107-13-1	Acrylonitrile	110		1	0.83	5.00	ug/L	11/07/25 11:47	VN110725
67-64-1	Acetone	110		1	1.50	5.00	ug/L	11/07/25 11:47	VN110725
75-15-0	Carbon Disulfide	17.6		1	0.21	1.00	ug/L	11/07/25 11:47	VN110725
75-09-2	Methylene Chloride	20.6		1	0.28	1.00	ug/L	11/07/25 11:47	VN110725
108-05-4	Vinyl Acetate	110		1	0.66	5.00	ug/L	11/07/25 11:47	VN110725
78-93-3	2-Butanone	120		1	0.98	5.00	ug/L	11/07/25 11:47	VN110725
56-23-5	Carbon Tetrachloride	19.1		1	0.25	1.00	ug/L	11/07/25 11:47	VN110725
156-59-2	cis-1,2-Dichloroethene	20.8		1	0.19	1.00	ug/L	11/07/25 11:47	VN110725
74-97-5	Bromochloromethane	21.5		1	0.22	1.00	ug/L	11/07/25 11:47	VN110725
67-66-3	Chloroform	21.4		1	0.25	1.00	ug/L	11/07/25 11:47	VN110725
71-55-6	1,1,1-Trichloroethane	19.9		1	0.20	1.00	ug/L	11/07/25 11:47	VN110725
71-43-2	Benzene	20.3		1	0.15	1.00	ug/L	11/07/25 11:47	VN110725
78-87-5	1,2-Dichloropropane	20.9		1	0.20	1.00	ug/L	11/07/25 11:47	VN110725
74-95-3	Dibromomethane	20.6		1	0.25	1.00	ug/L	11/07/25 11:47	VN110725
75-27-4	Bromodichloromethane	21.6		1	0.22	1.00	ug/L	11/07/25 11:47	VN110725
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	11/07/25 11:47	VN110725
108-88-3	Toluene	19.5		1	0.14	1.00	ug/L	11/07/25 11:47	VN110725
10061-02-6	t-1,3-Dichloropropene	20.6		1	0.17	1.00	ug/L	11/07/25 11:47	VN110725
10061-01-5	cis-1,3-Dichloropropene	21.3		1	0.16	1.00	ug/L	11/07/25 11:47	VN110725
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/07/25 11:47	VN110725
124-48-1	Dibromochloromethane	20.1		1	0.18	1.00	ug/L	11/07/25 11:47	VN110725
106-93-4	1,2-Dibromoethane	20.3		1	0.15	1.00	ug/L	11/07/25 11:47	VN110725
127-18-4	Tetrachloroethene	17.9		1	0.23	1.00	ug/L	11/07/25 11:47	VN110725
108-90-7	Chlorobenzene	19.8		1	0.12	1.00	ug/L	11/07/25 11:47	VN110725
630-20-6	1,1,1,2-Tetrachloroethane	20.4		1	0.19	1.00	ug/L	11/07/25 11:47	VN110725
100-41-4	Ethyl Benzene	19.5		1	0.13	1.00	ug/L	11/07/25 11:47	VN110725
1330-20-7	Total Xylenes	58.3		1	0.36	3.00	ug/L	11/07/25 11:47	VN110725
95-47-6	o-Xylene	20.2		1	0.12	1.00	ug/L	11/07/25 11:47	VN110725
100-42-5	Styrene	20.4		1	0.15	1.00	ug/L	11/07/25 11:47	VN110725
75-25-2	Bromoform	20.3		1	0.19	1.00	ug/L	11/07/25 11:47	VN110725
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1	0.26	1.00	ug/L	11/07/25 11:47	VN110725
96-18-4	1,2,3-Trichloropropane	19.0		1	0.35	1.00	ug/L	11/07/25 11:47	VN110725
106-46-7	1,4-Dichlorobenzene	19.3		1	0.19	1.00	ug/L	11/07/25 11:47	VN110725
95-50-1	1,2-Dichlorobenzene	19.7		1	0.16	1.00	ug/L	11/07/25 11:47	VN110725
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1	0.53	1.00	ug/L	11/07/25 11:47	VN110725
74-88-4	Methyl Iodide	21.0		1	0.83	5.00	ug/L	11/07/25 11:47	VN110725
110-57-6	trans-1,4-Dichloro-2-butene	17.3		1	0.84	5.00	ug/L	11/07/25 11:47	VN110725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.4			74 - 125	111%	SPK: 50		

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Syosset Landfill 2025	Date Received:	
Client Sample ID:	VN1107WBS01	SDG No.:	Q3560
Lab Sample ID:	VN1107WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	51.3			75 - 124	103%	SPK: 50		
2037-26-5	Toluene-d8	47.8			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.3			77 - 121	99%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	317000							
540-36-3	1,4-Difluorobenzene	611000							
3114-55-4	Chlorobenzene-d5	529000							
3855-82-1	1,4-Dichlorobenzene-d4	263000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.
Project: Syosset Landfill 2025
Client Sample ID: VN1106WBSD01
Lab Sample ID: VN1106WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3560
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	17.9		1	0.26	1.00	ug/L	11/06/25 19:18	VN110625
75-00-3	Chloroethane	16.7		1	0.47	1.00	ug/L	11/06/25 19:18	VN110625
75-69-4	Trichlorofluoromethane	17.4		1	0.33	1.00	ug/L	11/06/25 19:18	VN110625
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/06/25 19:18	VN110625
107-13-1	Acrylonitrile	110		1	0.83	5.00	ug/L	11/06/25 19:18	VN110625
67-64-1	Acetone	95.9		1	1.50	5.00	ug/L	11/06/25 19:18	VN110625
75-15-0	Carbon Disulfide	17.0		1	0.21	1.00	ug/L	11/06/25 19:18	VN110625
75-09-2	Methylene Chloride	19.2		1	0.28	1.00	ug/L	11/06/25 19:18	VN110625
108-05-4	Vinyl Acetate	100		1	0.66	5.00	ug/L	11/06/25 19:18	VN110625
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	11/06/25 19:18	VN110625
56-23-5	Carbon Tetrachloride	19.2		1	0.25	1.00	ug/L	11/06/25 19:18	VN110625
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	1.00	ug/L	11/06/25 19:18	VN110625
74-97-5	Bromochloromethane	21.1		1	0.22	1.00	ug/L	11/06/25 19:18	VN110625
67-66-3	Chloroform	20.0		1	0.25	1.00	ug/L	11/06/25 19:18	VN110625
71-55-6	1,1,1-Trichloroethane	19.4		1	0.20	1.00	ug/L	11/06/25 19:18	VN110625
71-43-2	Benzene	19.1		1	0.15	1.00	ug/L	11/06/25 19:18	VN110625
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/06/25 19:18	VN110625
74-95-3	Dibromomethane	20.1		1	0.25	1.00	ug/L	11/06/25 19:18	VN110625
75-27-4	Bromodichloromethane	20.1		1	0.22	1.00	ug/L	11/06/25 19:18	VN110625
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	11/06/25 19:18	VN110625
108-88-3	Toluene	18.9		1	0.14	1.00	ug/L	11/06/25 19:18	VN110625
10061-02-6	t-1,3-Dichloropropene	19.6		1	0.17	1.00	ug/L	11/06/25 19:18	VN110625
10061-01-5	cis-1,3-Dichloropropene	19.7		1	0.16	1.00	ug/L	11/06/25 19:18	VN110625
591-78-6	2-Hexanone	100		1	0.89	5.00	ug/L	11/06/25 19:18	VN110625
124-48-1	Dibromochloromethane	19.2		1	0.18	1.00	ug/L	11/06/25 19:18	VN110625
106-93-4	1,2-Dibromoethane	19.4		1	0.15	1.00	ug/L	11/06/25 19:18	VN110625
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	11/06/25 19:18	VN110625
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	11/06/25 19:18	VN110625
630-20-6	1,1,1,2-Tetrachloroethane	20.0		1	0.19	1.00	ug/L	11/06/25 19:18	VN110625
100-41-4	Ethyl Benzene	19.0		1	0.13	1.00	ug/L	11/06/25 19:18	VN110625
1330-20-7	Total Xylenes	57.4		1	0.36	3.00	ug/L	11/06/25 19:18	VN110625
95-47-6	o-Xylene	19.5		1	0.12	1.00	ug/L	11/06/25 19:18	VN110625
100-42-5	Styrene	19.8		1	0.15	1.00	ug/L	11/06/25 19:18	VN110625
75-25-2	Bromoform	19.9		1	0.19	1.00	ug/L	11/06/25 19:18	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1	0.26	1.00	ug/L	11/06/25 19:18	VN110625
96-18-4	1,2,3-Trichloropropane	18.5		1	0.35	1.00	ug/L	11/06/25 19:18	VN110625
106-46-7	1,4-Dichlorobenzene	18.7		1	0.19	1.00	ug/L	11/06/25 19:18	VN110625
95-50-1	1,2-Dichlorobenzene	19.6		1	0.16	1.00	ug/L	11/06/25 19:18	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1	0.53	1.00	ug/L	11/06/25 19:18	VN110625
74-88-4	Methyl Iodide	18.7		1	0.83	5.00	ug/L	11/06/25 19:18	VN110625
110-57-6	trans-1,4-Dichloro-2-butene	18.8		1	0.84	5.00	ug/L	11/06/25 19:18	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.4			74 - 125	113%	SPK: 50		

Report of Analysis

Client: Lockwood, Kessler & Bartlett, Inc.

Project: Syosset Landfill 2025

Client Sample ID: VN1106WBSD01

Lab Sample ID: VN1106WBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3560

Matrix: Water

% Solid: 0

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1868-53-7	Dibromofluoromethane	52.7			75 - 124	105%	SPK: 50		
2037-26-5	Toluene-d8	49.8			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			77 - 121	103%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	316000							
540-36-3	1,4-Difluorobenzene	600000							
3114-55-4	Chlorobenzene-d5	523000							
3855-82-1	1,4-Dichlorobenzene-d4	247000							

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG No.: Q3560

Instrument ID: MSVOA_N

Calibration Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N

Calibration Time(s): 09:42 12:02

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

LAB FILE ID:	RRF001 = VN088078.D		RRF005 = VN088079.D		RRF020 = VN088080.D		RRF050 = VN088081.D		RRF100 = VN088082.D		RRF150 = VN088083.D	
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Vinyl Chloride	0.801	0.784	0.787	0.581	0.639	0.746	0.723	12.6				
Chloroethane	0.598	0.601	0.558	0.413	0.447	0.509	0.521	15.2				
Trichlorofluoromethane	1.199	1.317	1.246	0.955	1.031	1.171	1.153	11.8				
1,1-Dichloroethene	0.806	0.686	0.631	0.462	0.547	0.637	0.628	18.7				
Acrylonitrile	0.398	0.423	0.452	0.324	0.426	0.413	0.406	10.8				
Acetone	0.563	0.441	0.440	0.319	0.411	0.431	0.434	17.9				
Carbon Disulfide	2.143	2.041	1.984	1.483	1.917	1.895	1.910	11.9				
Methylene Chloride	0.894	0.774	0.775	0.540	0.708	0.684	0.729	16.2				
Vinyl Acetate	1.958	2.237	2.387	1.737	1.958	2.244	2.087	11.6				
2-Butanone	0.615	0.616	0.639	0.465	0.516	0.584	0.572	11.8				
Carbon Tetrachloride	0.544	0.525	0.538	0.417	0.470	0.546	0.507	10.3				
cis-1,2-Dichloroethene	0.884	0.892	0.868	0.626	0.694	0.800	0.794	13.9				
Bromochloromethane	0.608	0.669	0.549	0.589	0.596	0.627	0.606	6.6				
Chloroform	1.334	1.433	1.405	1.040	1.162	1.318	1.282	11.8				
1,1,1-Trichloroethane	1.293	1.230	1.241	0.912	1.014	1.160	1.142	13				
Benzene	1.621	1.577	1.609	1.216	1.372	1.566	1.494	10.9				
1,2-Dichloropropane	0.420	0.408	0.397	0.306	0.340	0.391	0.377	11.7				
Dibromomethane	0.275	0.298	0.295	0.218	0.246	0.281	0.269	11.5				
Bromodichloromethane	0.561	0.570	0.589	0.439	0.499	0.573	0.538	10.8				
4-Methyl-2-Pentanone	0.548	0.600	0.647	0.485	0.552	0.620	0.575	10.2				
Toluene	0.971	0.958	0.991	0.755	0.862	0.989	0.921	10.2				
t-1,3-Dichloropropene	0.554	0.576	0.618	0.479	0.559	0.652	0.573	10.4				
cis-1,3-Dichloropropene	0.615	0.622	0.652	0.501	0.587	0.671	0.608	9.9				
2-Hexanone	0.369	0.332	0.418	0.333	0.392	0.447	0.382	12.1				
Dibromochloromethane	0.418	0.392	0.433	0.327	0.377	0.436	0.397	10.4				
1,2-Dibromoethane	0.403	0.356	0.384	0.289	0.339	0.388	0.360	11.6				
Tetrachloroethene	0.400	0.344	0.335	0.258	0.298	0.344	0.330	14.6				
Chlorobenzene	1.197	1.208	1.205	0.941	1.053	1.208	1.135	9.9				
1,1,1,2-Tetrachloroethane	0.396	0.385	0.395	0.310	0.348	0.397	0.372	9.6				
Ethyl Benzene	2.069	2.066	2.123	1.649	1.873	2.177	1.993	9.9				

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3560</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date(s):	<u>10/23/2025</u> <u>10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:42</u> <u>12:02</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF001 = VN088078.D		RRF005 = VN088079.D		RRF020 = VN088080.D		
		RRF050 = VN088081.D		RRF100 = VN088082.D		RRF150 = VN088083.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
m/p-Xylenes	0.733	0.774	0.804	0.635	0.708	0.827	0.747	9.4
o-Xylene	0.670	0.742	0.764	0.604	0.684	0.784	0.708	9.6
Styrene	0.946	1.204	1.276	1.011	1.165	1.325	1.154	12.9
Bromoform	0.268	0.274	0.294	0.233	0.276	0.320	0.278	10.4
1,1,2,2-Tetrachloroethane	1.304	1.258	1.336	0.957	1.080	1.270	1.201	12.4
1,2,3-Trichloropropane	1.334	1.351	1.062	0.930	1.014	1.169	1.143	15.1
1,4-Dichlorobenzene	2.065	1.953	1.863	1.399	1.582	1.836	1.783	13.9
1,2-Dichlorobenzene	1.768	1.652	1.678	1.291	1.469	1.744	1.600	11.5
1,2-Dibromo-3-Chloropropane	0.325	0.289	0.301	0.214	0.243	0.305	0.279	15.1
1,2-Dichloroethane-d4		0.914	0.915	0.799	0.822	0.872	0.865	6.1
Dibromofluoromethane		0.343	0.344	0.315	0.327	0.350	0.336	4.3
Toluene-d8		1.283	1.298	1.224	1.283	1.384	1.294	4.4
4-Bromofluorobenzene		0.435	0.457	0.439	0.466	0.488	0.457	4.8
Methyl Iodide		0.430	0.550	0.456	0.674	0.609	0.544	18.8
trans-1,4-Dichloro-2-butene		0.422	0.399	0.317	0.403	0.508	0.410	16.7

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3560</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/06/2025</u> <u>11:00</u>
Lab File ID:	<u>VN088197.D</u>	Init. Calib. Date(s):	<u>10/23/2025</u> <u>10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42</u> <u>12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.723	0.645		-10.79	20
Chloroethane	0.521	0.419		-19.58	20
Trichlorofluoromethane	1.153	0.986		-14.48	20
1,1-Dichloroethene	0.628	0.520		-17.2	20
Acrylonitrile	0.406	0.401		-1.23	20
Acetone	0.434	0.399		-8.06	20
Carbon Disulfide	1.910	1.582		-17.17	20
Methylene Chloride	0.729	0.671		-7.96	20
Vinyl Acetate	2.087	2.154		3.21	20
2-Butanone	0.572	0.561		-1.92	20
Carbon Tetrachloride	0.507	0.502		-0.99	20
cis-1,2-Dichloroethene	0.794	0.742		-6.55	20
Bromochloromethane	0.606	0.675		11.39	20
Chloroform	1.282	1.278		-0.31	20
1,1,1-Trichloroethane	1.142	1.106		-3.15	20
Benzene	1.494	1.426		-4.55	20
1,2-Dichloropropane	0.377	0.374		-0.8	20
Dibromomethane	0.269	0.275		2.23	20
Bromodichloromethane	0.538	0.567		5.39	20
4-Methyl-2-Pentanone	0.575	0.605		5.22	20
Toluene	0.921	0.887		-3.69	20
t-1,3-Dichloropropene	0.573	0.626		9.25	20
cis-1,3-Dichloropropene	0.608	0.630		3.62	20
2-Hexanone	0.382	0.415		8.64	20
Dibromochloromethane	0.397	0.411		3.53	20
1,2-Dibromoethane	0.360	0.361		0.28	20
Tetrachloroethene	0.330	0.308		-6.67	20
Chlorobenzene	1.135	1.107	0.3	-2.47	20
1,1,1,2-Tetrachloroethane	0.372	0.389		4.57	20
Ethyl Benzene	1.993	1.968		-1.25	20
m/p-Xylenes	0.747	0.735		-1.61	20
o-Xylene	0.708	0.713		0.71	20
Styrene	1.154	1.219		5.63	20
Bromoform	0.278	0.305	0.1	9.71	20
1,1,2,2-Tetrachloroethane	1.201	1.232	0.3	2.58	20
1,2,3-Trichloropropane	1.143	1.225		7.17	20
1,4-Dichlorobenzene	1.783	1.710		-4.09	20
1,2-Dichlorobenzene	1.600	1.563		-2.31	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3560</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/06/2025 11:00</u>
Lab File ID:	<u>VN088197.D</u>	Init. Calib. Date(s):	<u>10/23/2025 10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42 12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dibromo-3-Chloropropane	0.279	0.290		3.94	20
1,2-Dichloroethane-d4	0.865	0.909		5.09	20
Dibromofluoromethane	0.336	0.334		-0.6	20
Toluene-d8	1.294	1.260		-2.63	20
4-Bromofluorobenzene	0.457	0.471		3.06	20
Methyl Iodide	0.544	0.566		4.04	20
trans-1,4-Dichloro-2-butene	0.410	0.437		6.59	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3560</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/07/2025 09:49</u>
Lab File ID:	<u>VN088222.D</u>	Init. Calib. Date(s):	<u>10/23/2025 10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42 12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.723	0.677		-6.36	20
Chloroethane	0.521	0.461		-11.52	20
Trichlorofluoromethane	1.153	0.986		-14.48	20
1,1-Dichloroethene	0.628	0.542		-13.69	20
Acrylonitrile	0.406	0.478		17.73	20
Acetone	0.434	0.468		7.83	20
Carbon Disulfide	1.910	1.704		-10.78	20
Methylene Chloride	0.729	0.740		1.51	20
Vinyl Acetate	2.087	2.355		12.84	20
2-Butanone	0.572	0.668		16.78	20
Carbon Tetrachloride	0.507	0.488		-3.75	20
cis-1,2-Dichloroethene	0.794	0.817		2.9	20
Bromochloromethane	0.606	0.719		18.65	20
Chloroform	1.282	1.382		7.8	20
1,1,1-Trichloroethane	1.142	1.129		-1.14	20
Benzene	1.494	1.503		0.6	20
1,2-Dichloropropane	0.377	0.399		5.84	20
Dibromomethane	0.269	0.284		5.58	20
Bromodichloromethane	0.538	0.589		9.48	20
4-Methyl-2-Pentanone	0.575	0.666		15.83	20
Toluene	0.921	0.907		-1.52	20
t-1,3-Dichloropropene	0.573	0.628		9.6	20
cis-1,3-Dichloropropene	0.608	0.653		7.4	20
2-Hexanone	0.382	0.461		20.68	20
Dibromochloromethane	0.397	0.420		5.79	20
1,2-Dibromoethane	0.360	0.378		5	20
Tetrachloroethene	0.330	0.303		-8.18	20
Chlorobenzene	1.135	1.142	0.3	0.62	20
1,1,1,2-Tetrachloroethane	0.372	0.385		3.49	20
Ethyl Benzene	1.993	1.968		-1.25	20
m/p-Xylenes	0.747	0.732		-2.01	20
o-Xylene	0.708	0.712		0.56	20
Styrene	1.154	1.231		6.67	20
Bromoform	0.278	0.307	0.1	10.43	20
1,1,2,2-Tetrachloroethane	1.201	1.292	0.3	7.58	20
1,2,3-Trichloropropane	1.143	1.113		-2.63	20
1,4-Dichlorobenzene	1.783	1.684		-5.55	20
1,2-Dichlorobenzene	1.600	1.592		-0.5	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3560</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/07/2025 09:49</u>
Lab File ID:	<u>VN088222.D</u>	Init. Calib. Date(s):	<u>10/23/2025 10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42 12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dibromo-3-Chloropropane	0.279	0.308		10.39	20
1,2-Dichloroethane-d4	0.865	0.970		12.14	20
Dibromofluoromethane	0.336	0.348		3.57	20
Toluene-d8	1.294	1.257		-2.86	20
4-Bromofluorobenzene	0.457	0.470		2.85	20
Methyl Iodide	0.544	0.609		11.95	20
trans-1,4-Dichloro-2-butene	0.410	0.434		5.85	20

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