

LAB CHRONICLE

OrderID:	Q3202	OrderDate:	9/25/2025 11:08:00 AM
Client:	Lockwood, Kessler & Bartlett, Inc.	Project:	Syosset Landfill 2025
Contact:	John Gerlach	Location:	I63,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3202-01	SY-6	Water	VOCMS Group1	8260-Low	09/23/25		10/03/25	09/24/25
Q3202-03	SY-2R	Water	VOCMS Group1	8260-Low	09/23/25		10/06/25	09/24/25
Q3202-05	SY-2D	Water	VOCMS Group1	8260-Low	09/23/25		10/06/25	09/24/25
Q3202-07	SY-5	Water	VOCMS Group1	8260-Low	09/23/25		10/06/25	09/24/25
Q3202-09	SY-3DD	Water	VOCMS Group1	8260-Low	09/23/25		10/06/25	09/24/25
Q3202-11	SY-3D	Water	VOCMS Group1	8260-Low	09/23/25		10/06/25	09/24/25
Q3202-17	SY-3	Water	VOCMS Group1	8260-Low	09/23/25		10/06/25	09/24/25
Q3202-19	TB	Water	VOCMS Group1	8260-Low	09/24/25		10/06/25	09/24/25

Hit Summary Sheet
SW-846

SDG No.: Q3202

Client: Lockwood, Kessler & Bartlett, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3202-07	SY-5 SY-5	Water	Acetone	1.50	J	1.50	5.00	ug/L
			Total Voc :	1.50				
			Total Concentration:	1.50				
Client ID: Q3202-11	SY-3D SY-3D	Water	Acetone	2.00	J	1.50	5.00	ug/L
			Total Voc :	2.00				
			Total Concentration:	2.00				
Client ID: Q3202-17	SY-3 SY-3	Water	Acetone	7.20		1.50	5.00	ug/L
Q3202-17	SY-3	Water	Carbon Disulfide	1.30		0.21	1.00	ug/L
			Total Voc :	8.50				
			Total Concentration:	8.50				



SAMPLE DATA

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-6	SDG No.:	Q3202
Lab Sample ID:	Q3202-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047991.D	1	10/03/25 14:11	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-6	SDG No.:	Q3202
Lab Sample ID:	Q3202-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047991.D	1	10/03/25 14:11	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.3		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	130000	5.543			
540-36-3	1,4-Difluorobenzene	265000	6.75			
3114-55-4	Chlorobenzene-d5	278000	10.036			
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.006			

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.		Date Collected:	09/23/25	
Project:	Syosset Landfill 2025		Date Received:	09/24/25	
Client Sample ID:	SY-2R		SDG No.:	Q3202	
Lab Sample ID:	Q3202-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048025.D	1	10/06/25 15:31	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.		Date Collected:	09/23/25	
Project:	Syosset Landfill 2025		Date Received:	09/24/25	
Client Sample ID:	SY-2R		SDG No.:	Q3202	
Lab Sample ID:	Q3202-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048025.D	1	10/06/25 15:31	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.1		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	5.544			
540-36-3	1,4-Difluorobenzene	252000	6.751			
3114-55-4	Chlorobenzene-d5	265000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	135000	12.006			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-2D	SDG No.:	Q3202
Lab Sample ID:	Q3202-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048026.D	1	10/06/25 15:51	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-2D	SDG No.:	Q3202
Lab Sample ID:	Q3202-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048026.D	1	10/06/25 15:51	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	5.544			
540-36-3	1,4-Difluorobenzene	275000	6.751			
3114-55-4	Chlorobenzene-d5	286000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	145000	12.006			

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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-5	SDG No.:	Q3202
Lab Sample ID:	Q3202-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048027.D	1	10/06/25 16:12	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-5	SDG No.:	Q3202
Lab Sample ID:	Q3202-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048027.D	1	10/06/25 16:12	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	120000	5.538			
540-36-3	1,4-Difluorobenzene	246000	6.751			
3114-55-4	Chlorobenzene-d5	257000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	132000	12.006			

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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3DD	SDG No.:	Q3202
Lab Sample ID:	Q3202-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048028.D	1	10/06/25 16:33	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3DD	SDG No.:	Q3202
Lab Sample ID:	Q3202-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048028.D	1	10/06/25 16:33	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	5.544			
540-36-3	1,4-Difluorobenzene	266000	6.751			
3114-55-4	Chlorobenzene-d5	280000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.006			

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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3D	SDG No.:	Q3202
Lab Sample ID:	Q3202-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048031.D	1	10/06/25 17:35	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	2.00	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.		Date Collected:	09/23/25	
Project:	Syosset Landfill 2025		Date Received:	09/24/25	
Client Sample ID:	SY-3D		SDG No.:	Q3202	
Lab Sample ID:	Q3202-11		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048031.D	1	10/06/25 17:35	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	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						
363-72-4	Pentafluorobenzene	124000	5.544			
540-36-3	1,4-Difluorobenzene	256000	6.751			
3114-55-4	Chlorobenzene-d5	274000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006			

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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3	SDG No.:	Q3202
Lab Sample ID:	Q3202-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048029.D	1	10/06/25 16:54	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	7.20		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.30		0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3	SDG No.:	Q3202
Lab Sample ID:	Q3202-17	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048029.D	1	10/06/25 16:54	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	109000	5.544			
540-36-3	1,4-Difluorobenzene	222000	6.751			
3114-55-4	Chlorobenzene-d5	231000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.006			

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.	Date Collected:	09/24/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	TB	SDG No.:	Q3202
Lab Sample ID:	Q3202-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048013.D	1	10/06/25 11:13	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/24/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	TB	SDG No.:	Q3202
Lab Sample ID:	Q3202-19	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048013.D	1	10/06/25 11:13	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	UQ	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	UQ	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	47.3		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	5.538			
540-36-3	1,4-Difluorobenzene	323000	6.745			
3114-55-4	Chlorobenzene-d5	328000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	161000	12.006			

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.: **Q3202**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3202-01	SY-6	1,2-Dichloroethane-d4	50	55.0	110		74	125
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	58.3	117		77	121
Q3202-03	SY-2R	1,2-Dichloroethane-d4	50	53.4	107		74	125
		Dibromofluoromethane	50	49.9	100		75	124
		Toluene-d8	50	48.8	98		86	113
		4-Bromofluorobenzene	50	57.1	114		77	121
Q3202-05	SY-2D	1,2-Dichloroethane-d4	50	54.5	109		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	56.7	113		77	121
Q3202-07	SY-5	1,2-Dichloroethane-d4	50	52.8	106		74	125
		Dibromofluoromethane	50	49.7	99		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	56.0	112		77	121
Q3202-09	SY-3DD	1,2-Dichloroethane-d4	50	54.0	108		74	125
		Dibromofluoromethane	50	51.1	102		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	56.9	114		77	121
Q3202-11	SY-3D	1,2-Dichloroethane-d4	50	56.9	114		74	125
		Dibromofluoromethane	50	52.7	105		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	57.3	115		77	121
Q3202-13MS	SY-3DMS	1,2-Dichloroethane-d4	50	62.4	125		74	125
		Dibromofluoromethane	50	58.8	118		75	124
		Toluene-d8	50	54.1	108		86	113
		4-Bromofluorobenzene	50	58.0	116		77	121
Q3202-15MSD	SY-3DMSD	1,2-Dichloroethane-d4	50	57.0	114		74	125
		Dibromofluoromethane	50	55.2	110		75	124
		Toluene-d8	50	53.9	108		86	113
		4-Bromofluorobenzene	50	54.6	109		77	121
Q3202-17	SY-3	1,2-Dichloroethane-d4	50	52.4	105		74	125
		Dibromofluoromethane	50	49.8	100		75	124
		Toluene-d8	50	49.0	98		86	113
		4-Bromofluorobenzene	50	55.9	112		77	121
Q3202-19	TB	1,2-Dichloroethane-d4	50	50.8	102		74	125
		Dibromofluoromethane	50	48.7	97		75	124
		Toluene-d8	50	47.3	95		86	113
		4-Bromofluorobenzene	50	53.6	107		77	121
VX1003WBL01	VX1003WBL01	1,2-Dichloroethane-d4	50	56.6	113		74	125
		Dibromofluoromethane	50	51.0	102		75	124
		Toluene-d8	50	49.4	99		86	113
		4-Bromofluorobenzene	50	57.0	114		77	121
VX1003WBS02	VX1003WBS02	1,2-Dichloroethane-d4	50	53.6	107		74	125
		Dibromofluoromethane	50	55.1	110		75	124
		Toluene-d8	50	53.6	107		86	113
		4-Bromofluorobenzene	50	54.0	108		77	121
VX1006WBL01	VX1006WBL01	1,2-Dichloroethane-d4	50	51.8	104		74	125
		Dibromofluoromethane	50	49.4	99		75	124

Surrogate Summary

SDG No.: Q3202

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX1006WBL01	VX1006WBL01	Toluene-d8	50	48.9	98		86	113
		4-Bromofluorobenzene	50	54.9	110		77	121
VX1006WBS02	VX1006WBS02	1,2-Dichloroethane-d4	50	43.1	86		74	125
		Dibromofluoromethane	50	47.4	95		75	124
		Toluene-d8	50	47.3	95		86	113
		4-Bromofluorobenzene	50	46.8	94		77	121

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3202

Analytical Method:

SW8260-Low

Client: Lockwood, Kessler & Bartlett

Datafile :

VX048032.D

Limits											
		Sample				Rec	RPD				
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3202-13MS	Client Sample ID :	SY-3DMS								
Vinyl chloride	50	0	47.9	ug/L	96				69	125	
Chloroethane	50	0	51.0	ug/L	102				70	141	
Trichlorofluoromethane	50	0	48.4	ug/L	97				72	124	
1,1-Dichloroethene	50	0	49.5	ug/L	99				53	162	
Acrylonitrile	250	0	310	ug/L	124				60	146	
Acetone	250	2.00	230	ug/L	91				44	150	
Carbon disulfide	50	0	43.6	ug/L	87				44	135	
Methylene Chloride	50	0	54.9	ug/L	110				79	115	
Vinyl Acetate	250	0	270	ug/L	108				50	175	
2-Butanone	250	0	290	ug/L	116				67	137	
Carbon Tetrachloride	50	0	46.8	ug/L	94				66	133	
cis-1,2-Dichloroethene	50	0	53.8	ug/L	108				82	124	
Bromochloromethane	50	0	59.9	ug/L	120				72	130	
Chloroform	50	0	57.7	ug/L	115				83	119	
1,1,1-Trichloroethane	50	0	52.8	ug/L	106				83	117	
Benzene	50	0	51.0	ug/L	102				81	128	
1,2-Dichloropropane	50	0	53.5	ug/L	107				85	116	
Dibromomethane	50	0	54.6	ug/L	109				71	132	
Bromodichloromethane	50	0	55.7	ug/L	111				54	157	
4-Methyl-2-Pentanone	250	0	300	ug/L	120				72	137	
Toluene	50	0	50.7	ug/L	101				85	115	
t-1,3-Dichloropropene	50	0	51.7	ug/L	103				60	141	
cis-1,3-Dichloropropene	50	0	51.1	ug/L	102				36	161	
2-Hexanone	250	0	280	ug/L	112				75	131	
Dibromochloromethane	50	0	58.4	ug/L	117				59	164	
1,2-Dibromoethane	50	0	56.7	ug/L	113				85	119	
Tetrachloroethene	50	0	42.5	ug/L	85				48	153	
Chlorobenzene	50	0	48.6	ug/L	97				85	114	
1,1,1,2-Tetrachloroethane	50	0	51.5	ug/L	103				69	129	
Ethyl Benzene	50	0	46.2	ug/L	92				81	128	
m/p-Xylenes	100	0	94.1	ug/L	94				69	129	
o-Xylene	50	0	47.9	ug/L	96				75	127	
Styrene	50	0	49.0	ug/L	98				84	128	
Bromoform	50	0	54.3	ug/L	109				73	147	
1,1,2,2-Tetrachloroethane	50	0	49.7	ug/L	99				81	131	
1,2,3-Trichloropropane	50	0	50.1	ug/L	100				68	128	
1,4-Dichlorobenzene	50	0	43.9	ug/L	88				81	111	
1,2-Dichlorobenzene	50	0	44.9	ug/L	90				82	113	
1,2-Dibromo-3-Chloropropane	50	0	46.6	ug/L	93				79	137	
Methyl iodide	50	0	37.8	ug/L	76	*			77	120	
trans-1,4-Dichloro-2-butene	50	0	41.3	ug/L	83				24	124	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3202

Analytical Method: SW8260-Low

Client: Lockwood, Kessler & Bartlett

Datafile : VX048033.D

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
Lab Sample ID :	Q3202-15MSD	Client Sample ID :	SY-3DMSD								
Vinyl chloride	50	0	48.9	ug/L	98		2		69	125	20
Chloroethane	50	0	50.3	ug/L	101		1		70	141	20
Trichlorofluoromethane	50	0	48.8	ug/L	98		1		72	124	20
1,1-Dichloroethene	50	0	49.9	ug/L	100		1		53	162	20
Acrylonitrile	250	0	310	ug/L	124		0		60	146	20
Acetone	250	2.00	230	ug/L	91		0		44	150	20
Carbon disulfide	50	0	44.0	ug/L	88		1		44	135	20
Methylene Chloride	50	0	55.1	ug/L	110		0		79	115	20
Vinyl Acetate	250	0	280	ug/L	112		4		50	175	20
2-Butanone	250	0	280	ug/L	112		4		67	137	20
Carbon Tetrachloride	50	0	48.7	ug/L	97		4		66	133	20
cis-1,2-Dichloroethene	50	0	56.6	ug/L	113		5		82	124	20
Bromochloromethane	50	0	60.2	ug/L	120		0		72	130	20
Chloroform	50	0	59.2	ug/L	118		3		83	119	20
1,1,1-Trichloroethane	50	0	54.3	ug/L	109		3		83	117	20
Benzene	50	0	52.6	ug/L	105		3		81	128	20
1,2-Dichloropropane	50	0	56.3	ug/L	113		5		85	116	20
Dibromomethane	50	0	56.5	ug/L	113		3		71	132	20
Bromodichloromethane	50	0	58.8	ug/L	118		5		54	157	20
4-Methyl-2-Pentanone	250	0	300	ug/L	120		0		72	137	20
Toluene	50	0	53.6	ug/L	107		6		85	115	20
t-1,3-Dichloropropene	50	0	55.1	ug/L	110		6		60	141	20
cis-1,3-Dichloropropene	50	0	53.9	ug/L	108		5		36	161	20
2-Hexanone	250	0	290	ug/L	116		4		75	131	20
Dibromochloromethane	50	0	61.5	ug/L	123		5		59	164	20
1,2-Dibromoethane	50	0	60.0	ug/L	120	*	6		85	119	20
Tetrachloroethene	50	0	45.8	ug/L	92		7		48	153	20
Chlorobenzene	50	0	52.6	ug/L	105		8		85	114	20
1,1,1,2-Tetrachloroethane	50	0	55.2	ug/L	110		7		69	129	20
Ethyl Benzene	50	0	50.3	ug/L	101		8		81	128	20
m/p-Xylenes	100	0	100	ug/L	100		6		69	129	20
o-Xylene	50	0	52.3	ug/L	105		9		75	127	20
Styrene	50	0	53.2	ug/L	106		8		84	128	20
Bromoform	50	0	58.4	ug/L	117		7		73	147	20
1,1,2,2-Tetrachloroethane	50	0	57.3	ug/L	115		14		81	131	20
1,2,3-Trichloropropane	50	0	49.7	ug/L	99		1		68	128	20
1,4-Dichlorobenzene	50	0	51.0	ug/L	102		15		81	111	20
1,2-Dichlorobenzene	50	0	52.5	ug/L	105		16		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	53.1	ug/L	106		13		79	137	20
Methyl iodide	50	0	46.1	ug/L	92		20		77	120	20
trans-1,4-Dichloro-2-butene	50	0	48.2	ug/L	96		15		24	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3202</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Lockwood, Kessler & Bartlett, Inc.</u>	Datafile :	<u>VX047986.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1003WBS02	Vinyl chloride	20	18.1	ug/L	91			65	117	
	Chloroethane	20	18.2	ug/L	91			56	128	
	Trichlorofluoromethane	20	18.9	ug/L	95			73	115	
	1,1-Dichloroethene	20	18.2	ug/L	91			74	110	
	Acrylonitrile	100	96.8	ug/L	97			73	113	
	Acetone	100	75.3	ug/L	75			60	125	
	Carbon disulfide	20	16.4	ug/L	82			64	112	
	Methylene Chloride	20	19.6	ug/L	98			72	114	
	Vinyl Acetate	100	94.6	ug/L	95			76	115	
	2-Butanone	100	85.5	ug/L	86			65	122	
	Carbon Tetrachloride	20	19.0	ug/L	95			77	113	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			77	110	
	Bromochloromethane	20	20.3	ug/L	102			70	124	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			80	108	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloropropane	20	20.4	ug/L	102			83	111	
	Dibromomethane	20	20.4	ug/L	102			82	110	
	Bromodichloromethane	20	20.9	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	96.3	ug/L	96			74	118	
	Toluene	20	19.4	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			82	110	
	2-Hexanone	100	88.5	ug/L	89			73	117	
	Dibromochloromethane	20	21.2	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.7	ug/L	104			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	20.4	ug/L	102			84	111	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	37.8	ug/L	95			82	110	
	o-Xylene	20	19.1	ug/L	96			83	109	
	Styrene	20	19.0	ug/L	95			80	111	
	Bromoform	20	19.9	ug/L	100			79	109	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			76	118	
	1,2,3-Trichloropropane	20	19.2	ug/L	96			75	112	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			68	112	
	Methyl iodide	20	16.0	ug/L	80			70	130	
	trans-1,4-Dichloro-2-butene	20	15.9	ug/L	79			79	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3202</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Lockwood, Kessler & Bartlett, Inc.</u>	Datafile :	<u>VX048014.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1006WBS02	Vinyl chloride	20	17.2	ug/L	86			65	117	
	Chloroethane	20	17.1	ug/L	86			56	128	
	Trichlorofluoromethane	20	18.7	ug/L	94			73	115	
	1,1-Dichloroethene	20	17.7	ug/L	89			74	110	
	Acrylonitrile	100	91.1	ug/L	91			73	113	
	Acetone	100	78.1	ug/L	78			60	125	
	Carbon disulfide	20	15.9	ug/L	79			64	112	
	Methylene Chloride	20	16.7	ug/L	84			72	114	
	Vinyl Acetate	100	85.0	ug/L	85			76	115	
	2-Butanone	100	85.2	ug/L	85			65	122	
	Carbon Tetrachloride	20	19.6	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			77	110	
	Bromochloromethane	20	19.0	ug/L	95			70	124	
	Chloroform	20	18.6	ug/L	93			79	113	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			80	108	
	Benzene	20	18.2	ug/L	91			82	109	
	1,2-Dichloropropane	20	19.2	ug/L	96			83	111	
	Dibromomethane	20	18.7	ug/L	94			82	110	
	Bromodichloromethane	20	19.0	ug/L	95			83	110	
	4-Methyl-2-Pentanone	100	95.7	ug/L	96			74	118	
	Toluene	20	18.9	ug/L	95			82	110	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			79	110	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			82	110	
	2-Hexanone	100	92.1	ug/L	92			73	117	
	Dibromochloromethane	20	20.0	ug/L	100			82	110	
	1,2-Dibromoethane	20	19.2	ug/L	96			81	110	
	Tetrachloroethene	20	18.7	ug/L	94			67	123	
	Chlorobenzene	20	18.7	ug/L	94			82	109	
	1,1,1,2-Tetrachloroethane	20	19.4	ug/L	97			84	111	
	Ethyl Benzene	20	18.4	ug/L	92			83	109	
	m/p-Xylenes	40	37.6	ug/L	94			82	110	
	o-Xylene	20	18.4	ug/L	92			83	109	
	Styrene	20	18.2	ug/L	91			80	111	
	Bromoform	20	19.1	ug/L	96			79	109	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			76	118	
	1,2,3-Trichloropropane	20	18.5	ug/L	93			75	112	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			82	107	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85			68	112	
	Methyl iodide	20	13.3	ug/L	67		*	70	130	
	trans-1,4-Dichloro-2-butene	20	15.6	ug/L	78		*	79	102	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1003WBL01

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3202

Lab File ID: VX047983.D

Lab Sample ID: VX1003WBL01

Date Analyzed: 10/03/2025

Time Analyzed: 10:16

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025
SY-6	Q3202-01	VX047991.D	10/03/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1006WBL01

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3202

Lab File ID: VX048011.D

Lab Sample ID: VX1006WBL01

Date Analyzed: 10/06/2025

Time Analyzed: 09:44

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TB	Q3202-19	VX048013.D	10/06/2025
VX1006WBS02	VX1006WBS02	VX048014.D	10/06/2025
SY-2R	Q3202-03	VX048025.D	10/06/2025
SY-2D	Q3202-05	VX048026.D	10/06/2025
SY-5	Q3202-07	VX048027.D	10/06/2025
SY-3DD	Q3202-09	VX048028.D	10/06/2025
SY-3	Q3202-17	VX048029.D	10/06/2025
SY-3D	Q3202-11	VX048031.D	10/06/2025
SY-3DMS	Q3202-13MS	VX048032.D	10/06/2025
SY-3DMSD	Q3202-15MSD	VX048033.D	10/06/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX047584.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: LOCK01
SDG NO.: Q3202
BFB Injection Date: 09/16/2025
BFB Injection Time: 08:56
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDIC001	VSTDIC001	VX047585.D	09/16/2025	09:23
VSTDIC005	VSTDIC005	VX047586.D	09/16/2025	10:16
VSTDIC020	VSTDIC020	VX047587.D	09/16/2025	10:37
VSTDIC050	VSTDIC050	VX047588.D	09/16/2025	10:58
VSTDIC100	VSTDIC100	VX047589.D	09/16/2025	11:40
VSTDIC150	VSTDIC150	VX047590.D	09/16/2025	12:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3202

Lab File ID: VX047980.D

BFB Injection Date: 10/03/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:35

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.1
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	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	5.2 (7.7) 1
176	95.0 - 101.0% of mass 174	64.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.1 (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	VX047981.D	10/03/2025	09:35
VX1003WBL01	VX1003WBL01	VX047983.D	10/03/2025	10:16
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025	12:22
SY-6	Q3202-01	VX047991.D	10/03/2025	14:11

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: LOCK01

Lab Code: ACE

SDG NO.: Q3202

Lab File ID: VX048008.D

BFB Injection Date: 10/06/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	52.4
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	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.3
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	68.5 (97.4) 1
177	5.0 - 9.0% of mass 176	4.4 (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	VX048009.D	10/06/2025	08:54
VX1006WBL01	VX1006WBL01	VX048011.D	10/06/2025	09:44
TB	Q3202-19	VX048013.D	10/06/2025	11:13
VX1006WBS02	VX1006WBS02	VX048014.D	10/06/2025	11:34
SY-2R	Q3202-03	VX048025.D	10/06/2025	15:31
SY-2D	Q3202-05	VX048026.D	10/06/2025	15:51
SY-5	Q3202-07	VX048027.D	10/06/2025	16:12
SY-3DD	Q3202-09	VX048028.D	10/06/2025	16:33
SY-3	Q3202-17	VX048029.D	10/06/2025	16:54
SY-3D	Q3202-11	VX048031.D	10/06/2025	17:35
SY-3DMS	Q3202-13MS	VX048032.D	10/06/2025	17:56
SY-3DMSD	Q3202-15MSD	VX048033.D	10/06/2025	18:17

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: LOCK01
Lab Code: ACE SDG NO.: Q3202
Lab File ID: VX047981.D Date Analyzed: 10/03/2025
Instrument ID: MSVOA_X Time Analyzed: 09:35
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	131937	5.53	225878	6.74	209083	10.04
UPPER LIMIT	263874	6.031	451756	7.239	418166	10.537
LOWER LIMIT	65968.5	5.031	112939	6.239	104542	9.537
EPA SAMPLE NO.						
SY-6	129645	5.54	264813	6.75	277682	10.04
VX1003WBL01	132031	5.54	278145	6.75	290715	10.04
VX1003WBS02	126673	5.54	223242	6.75	203303	10.04

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>Q3202</u>
Lab File ID:	<u>VX047981.D</u>	Date Analyzed:	<u>10/03/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:35</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	105470	12.00€				
UPPER LIMIT	210940	12.50€				
LOWER LIMIT	52735	11.50€				
EPA SAMPLE NO.						
SY-6	147037	12.01				
VX1003WBL01	147497	12.01				
VX1003WBS02	101886	12.01				

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: Alliance Contract: LOCK01
 Lab Code: ACE SDG NO.: Q3202
 Lab File ID: VX048009.D Date Analyzed: 10/06/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:54
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	169040	5.53	276640	6.74	239951	10.04
UPPER LIMIT	338080	6.032	553280	7.239	479902	10.537
LOWER LIMIT	84520	5.032	138320	6.239	119976	9.537
EPA SAMPLE NO.						
SY-2R	122057	5.54	251704	6.75	264687	10.04
SY-2D	132008	5.54	274950	6.75	286333	10.04
SY-5	119710	5.54	246037	6.75	256820	10.04
SY-3DD	131013	5.54	265963	6.75	280445	10.04
SY-3D	124280	5.54	255750	6.75	273710	10.04
SY-3DMS	117529	5.54	220472	6.75	210688	10.04
SY-3DMSD	110266	5.54	205395	6.75	191957	10.04
SY-3	109093	5.54	222131	6.75	230729	10.04
TB	157457	5.54	323356	6.75	327577	10.04
VX1006WBL01	163752	5.54	333598	6.75	343343	10.04
VX1006WBS02	164419	5.54	279226	6.75	253325	10.04

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>Q3202</u>
Lab File ID:	<u>VX048009.D</u>	Date Analyzed:	<u>10/06/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:54</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	117957	12				
UPPER LIMIT	235914	12.5				
LOWER LIMIT	58978.5	11.5				
EPA SAMPLE NO.						
SY-2R	135085	12.01				
SY-2D	145340	12.01				
SY-5	131834	12.01				
SY-3DD	140531	12.01				
SY-3D	139753	12.01				
SY-3DMS	111123	12.01				
SY-3DMSD	95020	12.01				
SY-3	114487	12.01				
TB	161049	12.01				
VX1006WBL01	171990	12.01				
VX1006WBS02	126701	12.01				

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.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1003WBL01		SDG No.:	Q3202
Lab Sample ID:	VX1003WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1003WBL01		SDG No.:	Q3202
Lab Sample ID:	VX1003WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	5.544			
540-36-3	1,4-Difluorobenzene	278000	6.751			
3114-55-4	Chlorobenzene-d5	291000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.006			

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.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1006WBL01		SDG No.:	Q3202
Lab Sample ID:	VX1006WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048011.D	1	10/06/25 09:44	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
107-13-1	Acrylonitrile	0.83	U	0.83	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
108-05-4	Vinyl Acetate	0.66	U	0.66	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1006WBL01		SDG No.:	Q3202
Lab Sample ID:	VX1006WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048011.D	1	10/06/25 09:44	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.35	U	0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
74-88-4	Methyl Iodide	0.83	U	0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.84	U	0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	5.544			
540-36-3	1,4-Difluorobenzene	334000	6.745			
3114-55-4	Chlorobenzene-d5	343000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	172000	12.006			

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.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1003WBS02		SDG No.:	Q3202
Lab Sample ID:	VX1003WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
75-00-3	Chloroethane	18.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	1.00	ug/L
107-13-1	Acrylonitrile	96.8		0.83	5.00	ug/L
67-64-1	Acetone	75.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.21	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	94.6		0.66	5.00	ug/L
78-93-3	2-Butanone	85.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	1.00	ug/L
74-95-3	Dibromomethane	20.4		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.3		0.68	5.00	ug/L
108-88-3	Toluene	19.4		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	1.00	ug/L
591-78-6	2-Hexanone	88.5		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.4		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.		Date Collected:		
Project:	Syosset Landfill 2025		Date Received:		
Client Sample ID:	VX1003WBS02		SDG No.:	Q3202	
Lab Sample ID:	VX1003WBS02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	56.9		0.36	3.00	ug/L
95-47-6	o-Xylene	19.1		0.12	1.00	ug/L
100-42-5	Styrene	19.0		0.15	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.2		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.53	1.00	ug/L
74-88-4	Methyl Iodide	16.0		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	15.9		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	53.6		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	127000	5.538			
540-36-3	1,4-Difluorobenzene	223000	6.745			
3114-55-4	Chlorobenzene-d5	203000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.006			

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.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1006WBS02		SDG No.:	Q3202
Lab Sample ID:	VX1006WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048014.D	1	10/06/25 11:34	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.2		0.26	1.00	ug/L
75-00-3	Chloroethane	17.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.23	1.00	ug/L
107-13-1	Acrylonitrile	91.1		0.83	5.00	ug/L
67-64-1	Acetone	78.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.9		0.21	1.00	ug/L
75-09-2	Methylene Chloride	16.7		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	85.0		0.66	5.00	ug/L
78-93-3	2-Butanone	85.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.0		0.22	1.00	ug/L
67-66-3	Chloroform	18.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.20	1.00	ug/L
71-43-2	Benzene	18.2		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	1.00	ug/L
74-95-3	Dibromomethane	18.7		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.7		0.68	5.00	ug/L
108-88-3	Toluene	18.9		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.16	1.00	ug/L
591-78-6	2-Hexanone	92.1		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.2		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.4		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	18.4		0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.		Date Collected:	
Project:	Syosset Landfill 2025		Date Received:	
Client Sample ID:	VX1006WBS02		SDG No.:	Q3202
Lab Sample ID:	VX1006WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048014.D	1	10/06/25 11:34	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	56.0		0.36	3.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	18.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.1		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.5		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		0.53	1.00	ug/L
74-88-4	Methyl Iodide	13.3		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	15.6		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.1		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	47.3		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	5.544			
540-36-3	1,4-Difluorobenzene	279000	6.745			
3114-55-4	Chlorobenzene-d5	253000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	127000	12.006			

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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3DMS	SDG No.:	Q3202
Lab Sample ID:	Q3202-13MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048032.D	1	10/06/25 17:56	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	47.9		0.26	1.00	ug/L
75-00-3	Chloroethane	51.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.4		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.5		0.23	1.00	ug/L
107-13-1	Acrylonitrile	310		0.83	5.00	ug/L
67-64-1	Acetone	230		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	43.6		0.21	1.00	ug/L
75-09-2	Methylene Chloride	54.9		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	270		0.66	5.00	ug/L
78-93-3	2-Butanone	290		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	59.9		0.22	1.00	ug/L
67-66-3	Chloroform	57.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.8		0.20	1.00	ug/L
71-43-2	Benzene	51.0		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	53.5		0.20	1.00	ug/L
74-95-3	Dibromomethane	54.6		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	55.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.68	5.00	ug/L
108-88-3	Toluene	50.7		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	51.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	51.1		0.16	1.00	ug/L
591-78-6	2-Hexanone	280		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	58.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	42.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	48.6		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	51.5		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	46.2		0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3DMS	SDG No.:	Q3202
Lab Sample ID:	Q3202-13MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048032.D	1	10/06/25 17:56	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	142		0.36	3.00	ug/L
95-47-6	o-Xylene	47.9		0.12	1.00	ug/L
100-42-5	Styrene	49.0		0.15	1.00	ug/L
75-25-2	Bromoform	54.3		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	49.7		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	50.1		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	44.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.6		0.53	1.00	ug/L
74-88-4	Methyl Iodide	37.8		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	41.3		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.4		74 - 125	125%	SPK: 50
1868-53-7	Dibromofluoromethane	58.8		75 - 124	118%	SPK: 50
2037-26-5	Toluene-d8	54.1		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		77 - 121	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	118000	5.544			
540-36-3	1,4-Difluorobenzene	220000	6.745			
3114-55-4	Chlorobenzene-d5	211000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	111000	12.006			

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.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3DMSD	SDG No.:	Q3202
Lab Sample ID:	Q3202-15MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048033.D	1	10/06/25 18:17	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	48.9		0.26	1.00	ug/L
75-00-3	Chloroethane	50.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	48.8		0.33	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.9		0.23	1.00	ug/L
107-13-1	Acrylonitrile	310		0.83	5.00	ug/L
67-64-1	Acetone	230		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	44.0		0.21	1.00	ug/L
75-09-2	Methylene Chloride	55.1		0.28	1.00	ug/L
108-05-4	Vinyl Acetate	280		0.66	5.00	ug/L
78-93-3	2-Butanone	280		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	48.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	56.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	60.2		0.22	1.00	ug/L
67-66-3	Chloroform	59.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	54.3		0.20	1.00	ug/L
71-43-2	Benzene	52.6		0.15	1.00	ug/L
78-87-5	1,2-Dichloropropane	56.3		0.20	1.00	ug/L
74-95-3	Dibromomethane	56.5		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	58.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.68	5.00	ug/L
108-88-3	Toluene	53.6		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	55.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.9		0.16	1.00	ug/L
591-78-6	2-Hexanone	290		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	61.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	60.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	45.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	52.6		0.12	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	55.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	50.3		0.13	1.00	ug/L

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	09/23/25
Project:	Syosset Landfill 2025	Date Received:	09/24/25
Client Sample ID:	SY-3DMSD	SDG No.:	Q3202
Lab Sample ID:	Q3202-15MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048033.D	1	10/06/25 18:17	VX100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	152		0.36	3.00	ug/L
95-47-6	o-Xylene	52.3		0.12	1.00	ug/L
100-42-5	Styrene	53.2		0.15	1.00	ug/L
75-25-2	Bromoform	58.4		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	57.3		0.26	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	49.7		0.35	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	52.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.1		0.53	1.00	ug/L
74-88-4	Methyl Iodide	46.1		0.83	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	48.2		0.84	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	53.9		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		77 - 121	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110000	5.544			
540-36-3	1,4-Difluorobenzene	205000	6.745			
3114-55-4	Chlorobenzene-d5	192000	10.037			
3855-82-1	1,4-Dichlorobenzene-d4	95000	12.006			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	<u>Alliance</u>	Contract:	<u>LOCK01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3202</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u> ID: <u>0.18</u> (mm)		

LAB FILE ID:								
RRF001 = VX047585.D			RRF005 = VX047586.D			RRF020 = VX047587.D		
RRF050 = VX047588.D			RRF100 = VX047589.D			RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.8
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.4
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.5
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
1,1,1,2-Tetrachloroethane	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.3
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6

* 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>Q3202</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,2,3-Trichloropropane	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.1
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4
Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.8
trans-1,4-Dichloro-2-butene		0.347	0.381	0.414	0.420	0.424	0.397	8.3

* 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>Q3202</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025 09:35</u>
Lab File ID:	<u>VX047981.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.666	0.682		2.4	20
Chloroethane	0.445	0.450		1.12	20
Trichlorofluoromethane	0.989	1.066		7.79	20
1,1-Dichloroethene	0.594	0.609		2.53	20
Acrylonitrile	0.328	0.334		1.83	20
Acetone	0.346	0.321		-7.22	20
Carbon Disulfide	1.626	1.511		-7.07	20
Methylene Chloride	0.732	0.762		4.1	20
Vinyl Acetate	1.901	1.963		3.26	20
2-Butanone	0.432	0.408		-5.56	20
Carbon Tetrachloride	0.532	0.565		6.2	20
cis-1,2-Dichloroethene	0.783	0.827		5.62	20
Bromochloromethane	0.551	0.591		7.26	20
Chloroform	1.276	1.385		8.54	20
1,1,1-Trichloroethane	1.082	1.140		5.36	20
Benzene	1.488	1.585		6.52	20
1,2-Dichloropropane	0.381	0.426		11.81	20
Dibromomethane	0.277	0.304		9.75	20
Bromodichloromethane	0.572	0.655		14.51	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.989		7.85	20
t-1,3-Dichloropropene	0.584	0.657		12.5	20
cis-1,3-Dichloropropene	0.624	0.698		11.86	20
2-Hexanone	0.343	0.334		-2.62	20
Dibromochloromethane	0.407	0.478		17.44	20
1,2-Dibromoethane	0.360	0.408		13.33	20
Tetrachloroethene	0.326	0.327		0.31	20
Chlorobenzene	1.136	1.205	0.3	6.07	20
1,1,1,2-Tetrachloroethane	0.392	0.436		11.22	20
Ethyl Benzene	1.960	2.036		3.88	20
m/p-Xylenes	0.729	0.772		5.9	20
o-Xylene	0.706	0.741		4.96	20
Styrene	1.236	1.320		6.8	20
Bromoform	0.293	0.314	0.1	7.17	20
1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	-0.35	20
1,2,3-Trichloropropane	1.012	0.917		-9.39	20
1,4-Dichlorobenzene	1.785	1.818		1.85	20
1,2-Dichlorobenzene	1.657	1.703		2.78	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>Q3202</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/03/2025 09:35</u>
Lab File ID:	<u>VX047981.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dibromo-3-Chloropropane	0.233	0.211		-9.44	20
1,2-Dichloroethane-d4	0.796	0.797		0.13	20
Dibromofluoromethane	0.335	0.365		8.95	20
Toluene-d8	1.160	1.215		4.74	20
4-Bromofluorobenzene	0.440	0.468		6.36	20
Methyl Iodide	0.902	0.822		-8.87	20
trans-1,4-Dichloro-2-butene	0.397	0.363		-8.56	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>Q3202</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/06/2025 08:54</u>
Lab File ID:	<u>VX048009.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.666	0.691		3.75	20
Chloroethane	0.445	0.444		-0.22	20
Trichlorofluoromethane	0.989	1.092		10.41	20
1,1-Dichloroethene	0.594	0.601		1.18	20
Acrylonitrile	0.328	0.314		-4.27	20
Acetone	0.346	0.342		-1.16	20
Carbon Disulfide	1.626	1.517		-6.7	20
Methylene Chloride	0.732	0.697		-4.78	20
Vinyl Acetate	1.901	1.777		-6.52	20
2-Butanone	0.432	0.396		-8.33	20
Carbon Tetrachloride	0.532	0.573		7.71	20
cis-1,2-Dichloroethene	0.783	0.750		-4.22	20
Bromochloromethane	0.551	0.549		-0.36	20
Chloroform	1.276	1.253		-1.8	20
1,1,1-Trichloroethane	1.082	1.094		1.11	20
Benzene	1.488	1.493		0.34	20
1,2-Dichloropropane	0.381	0.395		3.67	20
Dibromomethane	0.277	0.275		-0.72	20
Bromodichloromethane	0.572	0.607		6.12	20
4-Methyl-2-Pentanone	0.477	0.457		-4.19	20
Toluene	0.917	0.910		-0.76	20
t-1,3-Dichloropropene	0.584	0.576		-1.37	20
cis-1,3-Dichloropropene	0.624	0.627		0.48	20
2-Hexanone	0.343	0.319		-7	20
Dibromochloromethane	0.407	0.436		7.13	20
1,2-Dibromoethane	0.360	0.364		1.11	20
Tetrachloroethene	0.326	0.330		1.23	20
Chlorobenzene	1.136	1.153	0.3	1.5	20
1,1,1,2-Tetrachloroethane	0.392	0.421		7.4	20
Ethyl Benzene	1.960	1.991		1.58	20
m/p-Xylenes	0.729	0.745		2.19	20
o-Xylene	0.706	0.712		0.85	20
Styrene	1.236	1.248		0.97	20
Bromoform	0.293	0.313	0.1	6.83	20
1,1,2,2-Tetrachloroethane	1.150	1.131	0.3	-1.65	20
1,2,3-Trichloropropane	1.012	0.916		-9.49	20
1,4-Dichlorobenzene	1.785	1.698		-4.87	20
1,2-Dichlorobenzene	1.657	1.632		-1.51	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>Q3202</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/06/2025 08:54</u>
Lab File ID:	<u>VX048009.D</u>	Init. Calib. Date(s):	<u>09/16/2025 09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23 12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dibromo-3-Chloropropane	0.233	0.217		-6.87	20
1,2-Dichloroethane-d4	0.796	0.715		-10.18	20
Dibromofluoromethane	0.335	0.352		5.07	20
Toluene-d8	1.160	1.165		0.43	20
4-Bromofluorobenzene	0.440	0.426		-3.18	20
Methyl Iodide	0.902	0.775		-14.08	20
trans-1,4-Dichloro-2-butene	0.397	0.360		-9.32	20

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