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

LAB CHRONICLE

OrderID:	Q2075	**OrderDate:**	5/16/2025 4:10:00 PM
Client:	CDM Smith	**Project:**	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2075-01	**SS-10**	**SOIL**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260D			05/20/25	
Q2075-02	**SS-910**	**SOIL**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260D			05/20/25	
Q2075-03	**SS-11**	**SOIL**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260D			05/20/25	
Q2075-06	**SS-MW1-11.5**	**SOIL**			**05/16/25**			**05/16/25**
			VOCMS Group3	8260D			05/22/25	
Q2075-06ME	**SS-MW1-11.5ME**	**SOIL**			**05/16/25**			**05/16/25**
			VOCMS Group3	8260D			05/23/25	
Q2075-07	**FB-05152025**	**Water**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260-Low			05/21/25	
Q2075-08	**FB-05162025**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group3	8260-Low			05/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2075

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SS-10**							
Q2075-01	SS-10	SOIL	Ethyl Benzene	21.1		0.54	4.00	ug/Kg
Q2075-01	SS-10	SOIL	Total Xylenes	93.8		1.66	12.1	ug/Kg
Q2075-01	SS-10	SOIL	Isopropylbenzene	5.70		0.63	4.00	ug/Kg
Q2075-01	SS-10	SOIL	n-propylbenzene	13.1		0.59	4.00	ug/Kg
Q2075-01	SS-10	SOIL	1,3,5-Trimethylbenzene	23.4		0.66	4.00	ug/Kg
Q2075-01	SS-10	SOIL	1,2,4-Trimethylbenzene	90.2		0.52	4.00	ug/Kg
Q2075-01	SS-10	SOIL	sec-Butylbenzene	3.50	J	0.53	4.00	ug/Kg
Q2075-01	SS-10	SOIL	p-Isopropyltoluene	2.10	J	0.50	4.00	ug/Kg
Q2075-01	SS-10	SOIL	n-Butylbenzene	3.70	J	1.20	4.00	ug/Kg
			Total Voc :	257				
			Total Concentration:	257				
Client ID:	**SS-910**							
Q2075-02	SS-910	SOIL	Ethyl Benzene	5.40		0.51	3.80	ug/Kg
Q2075-02	SS-910	SOIL	Total Xylenes	26.5		1.58	11.5	ug/Kg
Q2075-02	SS-910	SOIL	Isopropylbenzene	2.10	J	0.60	3.80	ug/Kg
Q2075-02	SS-910	SOIL	n-propylbenzene	5.00		0.56	3.80	ug/Kg
Q2075-02	SS-910	SOIL	1,3,5-Trimethylbenzene	9.10		0.63	3.80	ug/Kg
Q2075-02	SS-910	SOIL	1,2,4-Trimethylbenzene	32.9		0.49	3.80	ug/Kg
Q2075-02	SS-910	SOIL	sec-Butylbenzene	1.50	J	0.51	3.80	ug/Kg
Q2075-02	SS-910	SOIL	p-Isopropyltoluene	0.99	J	0.48	3.80	ug/Kg
Q2075-02	SS-910	SOIL	n-Butylbenzene	1.70	J	1.10	3.80	ug/Kg
			Total Voc :	85.2				
			Total Concentration:	85.2				
Client ID:	**SS-11**							
Q2075-03	SS-11	SOIL	Toluene	5.20		0.78	5.00	ug/Kg
Q2075-03	SS-11	SOIL	Ethyl Benzene	7.80		0.67	5.00	ug/Kg
Q2075-03	SS-11	SOIL	Total Xylenes	46.3		2.02	14.9	ug/Kg
Q2075-03	SS-11	SOIL	Isopropylbenzene	2.10	J	0.78	5.00	ug/Kg
Q2075-03	SS-11	SOIL	n-propylbenzene	5.40		0.73	5.00	ug/Kg
Q2075-03	SS-11	SOIL	1,3,5-Trimethylbenzene	9.80		0.82	5.00	ug/Kg
Q2075-03	SS-11	SOIL	1,2,4-Trimethylbenzene	40.2		0.64	5.00	ug/Kg
Q2075-03	SS-11	SOIL	sec-Butylbenzene	1.40	J	0.66	5.00	ug/Kg
Q2075-03	SS-11	SOIL	n-Butylbenzene	1.40	J	1.40	5.00	ug/Kg
			Total Voc :	120				
			Total Concentration:	120				
Client ID:	**SS-MW1-11.5**							
Q2075-06	SS-MW1-11.5	SOIL	Benzene	9.40		0.62	3.90	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2075

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2075-06	SS-MW1-11.5	SOIL	Toluene	44.7		0.61	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	Ethyl Benzene	18.9		0.52	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	Total Xylenes	1510	E	1.61	11.7	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	Isopropylbenzene	40.5		0.61	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	n-propylbenzene	56.3		0.57	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	1,3,5-Trimethylbenzene	770	E	0.64	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	1,2,4-Trimethylbenzene	740	E	0.50	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	sec-Butylbenzene	66.3		0.52	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	p-Isopropyltoluene	52.3		0.48	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	n-Butylbenzene	71.9		1.10	3.90	ug/Kg
			Total Voc :	3380				
			Total Concentration:	3380				
Client ID:	**SS-MW1-11.5ME**							
Q2075-06ME	SS-MW1-11.5ME	SOIL	Toluene	83.3	JD	25.6	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	Ethyl Benzene	110	JD	22.0	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	Total Xylenes	630	D	67.6	490	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	Isopropylbenzene	42.8	JD	25.6	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	n-propylbenzene	130	JD	24.0	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	1,3,5-Trimethylbenzene	220	D	26.9	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	1,2,4-Trimethylbenzene	810	D	21.0	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	sec-Butylbenzene	63.9	JD	21.7	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	p-Isopropyltoluene	43.7	JD	20.4	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	n-Butylbenzene	180	D	47.6	160	ug/Kg
			Total Voc :	2310				
			Total Concentration:	2310				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-10	SDG No.:	Q2075
Lab Sample ID:	Q2075-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	79.8
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022343.D	1		05/20/25 15:22	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	4.00	U	0.64	4.00	ug/Kg
108-88-3	Toluene	4.00	U	0.63	4.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.54	4.00	ug/Kg
1330-20-7	Total Xylenes	93.8		1.66	12.1	ug/Kg
98-82-8	Isopropylbenzene	5.70		0.63	4.00	ug/Kg
103-65-1	n-propylbenzene	13.1		0.59	4.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	23.4		0.66	4.00	ug/Kg
98-06-6	tert-Butylbenzene	4.00	U	0.54	4.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	90.2		0.52	4.00	ug/Kg
135-98-8	sec-Butylbenzene	3.50	J	0.53	4.00	ug/Kg
99-87-6	p-Isopropyltoluene	2.10	J	0.50	4.00	ug/Kg
104-51-8	n-Butylbenzene	3.70	J	1.20	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		38 - 136	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	237000	7.707			
540-36-3	1,4-Difluorobenzene	426000	8.616			
3114-55-4	Chlorobenzene-d5	353000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-910	SDG No.:	Q2075
Lab Sample ID:	Q2075-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022344.D	1		05/20/25 15:45	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.80	U	0.61	3.80	ug/Kg
108-88-3	Toluene	3.80	U	0.60	3.80	ug/Kg
100-41-4	Ethyl Benzene	5.40		0.51	3.80	ug/Kg
1330-20-7	Total Xylenes	26.5		1.58	11.5	ug/Kg
98-82-8	Isopropylbenzene	2.10	J	0.60	3.80	ug/Kg
103-65-1	n-propylbenzene	5.00		0.56	3.80	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.10		0.63	3.80	ug/Kg
98-06-6	tert-Butylbenzene	3.80	U	0.51	3.80	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	32.9		0.49	3.80	ug/Kg
135-98-8	sec-Butylbenzene	1.50	J	0.51	3.80	ug/Kg
99-87-6	p-Isopropyltoluene	0.99	J	0.48	3.80	ug/Kg
104-51-8	n-Butylbenzene	1.70	J	1.10	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		38 - 136	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242000	7.707			
540-36-3	1,4-Difluorobenzene	431000	8.616			
3114-55-4	Chlorobenzene-d5	344000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-11	SDG No.:	Q2075
Lab Sample ID:	Q2075-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	5.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022345.D	1		05/20/25 16:09	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.20		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	7.80		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	46.3		2.02	14.9	ug/Kg
98-82-8	Isopropylbenzene	2.10	J	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.40		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.80		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	40.2		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	1.40	J	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	1.40	J	1.40	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240000	7.707			
540-36-3	1,4-Difluorobenzene	433000	8.615			
3114-55-4	Chlorobenzene-d5	346000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-MW1-11.5	SDG No.:	Q2075
Lab Sample ID:	Q2075-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91
Sample Wt/Vol:	7.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022403.D	1		05/22/25 18:03	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	9.40		0.62	3.90	ug/Kg
108-88-3	Toluene	44.7		0.61	3.90	ug/Kg
100-41-4	Ethyl Benzene	18.9		0.52	3.90	ug/Kg
1330-20-7	Total Xylenes	1510	E	1.61	11.7	ug/Kg
98-82-8	Isopropylbenzene	40.5		0.61	3.90	ug/Kg
103-65-1	n-propylbenzene	56.3		0.57	3.90	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	770	E	0.64	3.90	ug/Kg
98-06-6	tert-Butylbenzene	3.90	U	0.52	3.90	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	740	E	0.50	3.90	ug/Kg
135-98-8	sec-Butylbenzene	66.3		0.52	3.90	ug/Kg
99-87-6	p-Isopropyltoluene	52.3		0.48	3.90	ug/Kg
104-51-8	n-Butylbenzene	71.9		1.10	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	55.4		74 - 123	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	235000	7.719			
540-36-3	1,4-Difluorobenzene	408000	8.622			
3114-55-4	Chlorobenzene-d5	331000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.353			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-MW1-11.5ME	SDG No.:	Q2075
Lab Sample ID:	Q2075-06ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91
Sample Wt/Vol:	8.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046336.D	1		05/23/25 11:46	VX052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	160	UD	26.0	160	ug/Kg
108-88-3	Toluene	83.3	JD	25.6	160	ug/Kg
100-41-4	Ethyl Benzene	110	JD	22.0	160	ug/Kg
1330-20-7	Total Xylenes	630	D	67.6	490	ug/Kg
98-82-8	Isopropylbenzene	42.8	JD	25.6	160	ug/Kg
103-65-1	n-propylbenzene	130	JD	24.0	160	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	220	D	26.9	160	ug/Kg
98-06-6	tert-Butylbenzene	160	UD	22.0	160	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	810	D	21.0	160	ug/Kg
135-98-8	sec-Butylbenzene	63.9	JD	21.7	160	ug/Kg
99-87-6	p-Isopropyltoluene	43.7	JD	20.4	160	ug/Kg
104-51-8	n-Butylbenzene	180	D	47.6	160	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61400	5.544			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	110000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48700	12.024			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	FB-05152025	SDG No.:	Q2075
Lab Sample ID:	Q2075-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046292.D	1		05/21/25 13:09	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63600	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52600	12.018			

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	FB-05162025	SDG No.:	Q2075
Lab Sample ID:	Q2075-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046293.D	1		05/21/25 13:32	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68000	5.55			
540-36-3	1,4-Difluorobenzene	135000	6.757			
3114-55-4	Chlorobenzene-d5	128000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	56000	12.018			

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
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2075-01	SS-10	1,2-Dichloroethane-d4	50	53.3	107	63	155
		Dibromofluoromethane	50	51.9	104	70	134
		Toluene-d8	50	50.7	101	74	123
		4-Bromofluorobenzene	50	42.9	86	38	136
Q2075-02	SS-910	1,2-Dichloroethane-d4	50	48.7	97	63	155
		Dibromofluoromethane	50	49.5	99	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.8	80	38	136
Q2075-03	SS-11	1,2-Dichloroethane-d4	50	46.7	93	63	155
		Dibromofluoromethane	50	48.8	98	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
Q2075-04MS	SS-11MS	1,2-Dichloroethane-d4	50	49.2	98	63	155
		Dibromofluoromethane	50	42.1	84	70	134
		Toluene-d8	50	39.0	78	74	123
		4-Bromofluorobenzene	50	36.5	73	38	136
Q2075-05MSD	SS-11MSD	1,2-Dichloroethane-d4	50	62.7	125	63	155
		Dibromofluoromethane	50	51.3	103	70	134
		Toluene-d8	50	45.1	90	74	123
		4-Bromofluorobenzene	50	45.4	91	38	136
Q2075-06	SS-MW1-11.5	1,2-Dichloroethane-d4	50	44.5	89	63	155
		Dibromofluoromethane	50	50.4	101	70	134
		Toluene-d8	50	55.4	111	74	123
		4-Bromofluorobenzene	50	49.9	100	38	136
Q2075-06ME	SS-MW1-11.5ME	1,2-Dichloroethane-d4	50	51.0	102	63	155
		Dibromofluoromethane	50	48.4	97	70	134
		Toluene-d8	50	50.7	101	74	123
		4-Bromofluorobenzene	50	51.5	103	38	136
VX0523MBL01	VX0523MBL01	1,2-Dichloroethane-d4	50	53.1	106	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	50.0	100	74	123
		4-Bromofluorobenzene	50	51.6	103	38	136
VX0523MBS01	VX0523MBS01	1,2-Dichloroethane-d4	50	52.0	104	63	155
		Dibromofluoromethane	50	52.4	105	70	134
		Toluene-d8	50	50.3	101	74	123
		4-Bromofluorobenzene	50	51.8	104	38	136
VY0520SBL01	VY0520SBL01	1,2-Dichloroethane-d4	50	45.7	91	63	155
		Dibromofluoromethane	50	48.4	97	70	134
		Toluene-d8	50	48.6	97	74	123
		4-Bromofluorobenzene	50	52.5	105	38	136
VY0520SBS01	VY0520SBS01	1,2-Dichloroethane-d4	50	52.8	106	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136
VY0522SBL01	VY0522SBL01	1,2-Dichloroethane-d4	50	48.9	98	63	155
		Dibromofluoromethane	50	49.8	100	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
VY0522SBS01	VY0522SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	50.3	101	70	134

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Surrogate Summary

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0522SBS01	VY0522SBS01	Toluene-d8	50	50.3	101	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136

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Surrogate Summary

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2075-07	FB-05152025	1,2-Dichloroethane-d4	50	53.2	106	74	125
		Dibromofluoromethane	50	49.3	99	75	124
		Toluene-d8	50	50.7	101	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121
Q2075-08	FB-05162025	1,2-Dichloroethane-d4	50	52.2	104	74	125
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	51.7	103	77	121
VX0521WBL01	VX0521WBL01	1,2-Dichloroethane-d4	50	53.5	107	74	125
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	50.8	102	86	113
		4-Bromofluorobenzene	50	50.7	101	77	121
VX0521WBS01	VX0521WBS01	1,2-Dichloroethane-d4	50	53.6	107	74	125
		Dibromofluoromethane	50	54.3	109	75	124
		Toluene-d8	50	52.4	105	86	113
		4-Bromofluorobenzene	50	55.0	110	77	121
VX0521WBSD0	VX0521WBSD01	1,2-Dichloroethane-d4	50	54.2	108	74	125
		Dibromofluoromethane	50	55.1	110	75	124
		Toluene-d8	50	54.1	108	86	113
		4-Bromofluorobenzene	50	55.8	112	77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2075-04MS		**Client Sample ID :** SS-11MS						**Datafile :** VY022350.D			
Benzene	34	0	31.6	ug/Kg	93				59	140	
Toluene	34	5.20	40.1	ug/Kg	103				61	134	
Ethyl Benzene	34	7.80	46.5	ug/Kg	114				54	134	
m/p-Xylenes	67.9	29.5	130	ug/Kg	148	*			51	137	
o-Xylene	34	16.8	71.9	ug/Kg	162	*			57	139	
Isopropylbenzene	34	2.10	34.0	ug/Kg	94				44	160	
N-propylbenzene	34	5.40	39.5	ug/Kg	100				10	173	
1,3,5-Trimethylbenzene	34	9.80	47.6	ug/Kg	111				10	175	
tert-Butylbenzene	34	0	28.7	ug/Kg	84				10	173	
1,2,4-Trimethylbenzene	34	40.2	120	ug/Kg	235	*			10	175	
Sec-butylbenzene	34	1.40	30.9	ug/Kg	87				10	172	
p-Isopropyltoluene	34	0	29.0	ug/Kg	85				26	153	
n-Butylbenzene	34	1.40	30.5	ug/Kg	86				10	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**Q2075-05MSD**	**Client Sample ID :**	**SS-11MSD**					**Datafile :**	VY022351.D		
Benzene	34.3	0	43.1	ug/Kg	126		30	*	59	140	20
Toluene	34.3	5.20	52.7	ug/Kg	138	*	29	*	61	134	20
Ethyl Benzene	34.3	7.80	54.6	ug/Kg	136	*	18		54	134	20
m/p-Xylenes	68.7	29.5	140	ug/Kg	161	*	8		51	137	20
o-Xylene	34.3	16.8	78.5	ug/Kg	180	*	11		57	139	20
Isopropylbenzene	34.3	2.10	40.5	ug/Kg	112		17		44	160	20
N-propylbenzene	34.3	5.40	43.6	ug/Kg	111		10		10	173	20
1,3,5-Trimethylbenzene	34.3	9.80	49.0	ug/Kg	114		3		10	175	20
tert-Butylbenzene	34.3	0	37.7	ug/Kg	110		26	*	10	173	20
1,2,4-Trimethylbenzene	34.3	40.2	96.4	ug/Kg	164		36	*	10	175	20
Sec-butylbenzene	34.3	1.40	37.6	ug/Kg	106		20		10	172	20
p-Isopropyltoluene	34.3	0	36.2	ug/Kg	106		21	*	26	153	20
n-Butylbenzene	34.3	1.40	36.4	ug/Kg	102		17		10	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046287.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0521WBS01	Benzene	20	20.3	ug/L	102			82	109	
	Toluene	20	20.5	ug/L	103			82	110	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.3	ug/L	101			82	110	
	o-Xylene	20	20.9	ug/L	104			83	109	
	Isopropylbenzene	20	20.4	ug/L	102			83	112	
	N-propylbenzene	20	20.4	ug/L	102			83	112	
	1,3,5-Trimethylbenzene	20	21.1	ug/L	106			85	112	
	tert-Butylbenzene	20	20.2	ug/L	101			83	112	
	1,2,4-Trimethylbenzene	20	20.7	ug/L	104			85	111	
	Sec-butylbenzene	20	20.3	ug/L	102			81	114	
	p-Isopropyltoluene	20	20.5	ug/L	103			78	116	
	n-Butylbenzene	20	19.7	ug/L	99			75	115	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0521WBSD01	Benzene	20	20.4	ug/L	102	0		82	109	20
	Toluene	20	21.1	ug/L	106	3		82	110	20
	Ethyl Benzene	20	20.4	ug/L	102	1		83	109	20
	m/p-Xylenes	40	41.1	ug/L	103	2		82	110	20
	o-Xylene	20	21.0	ug/L	105	1		83	109	20
	Isopropylbenzene	20	20.8	ug/L	104	2		83	112	20
	N-propylbenzene	20	20.7	ug/L	104	2		83	112	20
	1,3,5-Trimethylbenzene	20	21.0	ug/L	105	1		85	112	20
	tert-Butylbenzene	20	20.5	ug/L	103	2		83	112	20
	1,2,4-Trimethylbenzene	20	20.9	ug/L	104	0		85	111	20
	Sec-butylbenzene	20	21.1	ug/L	106	4		81	114	20
	p-Isopropyltoluene	20	20.7	ug/L	104	1		78	116	20
	n-Butylbenzene	20	20.2	ug/L	101	2		75	115	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VX046335.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0523MBS01	Benzene	2000	2000	ug/Kg	100			84	121	
	Toluene	2000	2000	ug/Kg	100			83	122	
	Ethyl Benzene	2000	2000	ug/Kg	100			82	124	
	m/p-Xylenes	4000	4000	ug/Kg	100			83	124	
	o-Xylene	2000	2100	ug/Kg	105			83	123	
	Isopropylbenzene	2000	2000	ug/Kg	100			82	124	
	N-propylbenzene	2000	1900	ug/Kg	95			81	123	
	1,3,5-Trimethylbenzene	2000	2100	ug/Kg	105			82	124	
	tert-Butylbenzene	2000	2000	ug/Kg	100			81	125	
	1,2,4-Trimethylbenzene	2000	2000	ug/Kg	100			81	125	
	Sec-butylbenzene	2000	2000	ug/Kg	100			80	124	
	p-Isopropyltoluene	2000	2000	ug/Kg	100			81	125	
	n-Butylbenzene	2000	1900	ug/Kg	95			78	126	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0520SBS01	Benzene	20	20.8	ug/Kg	104			84	121	
	Toluene	20	20.0	ug/Kg	100			83	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	20.2	ug/Kg	101			83	123	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	N-propylbenzene	20	20.3	ug/Kg	102			81	123	
	1,3,5-Trimethylbenzene	20	19.5	ug/Kg	98			82	124	
	tert-Butylbenzene	20	19.8	ug/Kg	99			81	125	
	1,2,4-Trimethylbenzene	20	19.3	ug/Kg	97			81	125	
	Sec-butylbenzene	20	20.0	ug/Kg	100			80	124	
	p-Isopropyltoluene	20	19.3	ug/Kg	97			81	125	
	n-Butylbenzene	20	19.7	ug/Kg	99			78	126	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022382.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0522SBS01	Benzene	20	19.5	ug/Kg	98			84	121	
	Toluene	20	19.4	ug/Kg	97			83	122	
	Ethyl Benzene	20	18.7	ug/Kg	94			82	124	
	m/p-Xylenes	40	38.0	ug/Kg	95			83	124	
	o-Xylene	20	18.8	ug/Kg	94			83	123	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	N-propylbenzene	20	19.4	ug/Kg	97			81	123	
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95			82	124	
	tert-Butylbenzene	20	19.2	ug/Kg	96			81	125	
	1,2,4-Trimethylbenzene	20	18.8	ug/Kg	94			81	125	
	Sec-butylbenzene	20	19.4	ug/Kg	97			80	124	
	p-Isopropyltoluene	20	19.0	ug/Kg	95			81	125	
	n-Butylbenzene	20	19.3	ug/Kg	97			78	126	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0521WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046286.D Lab Sample ID: VX0521WBL01

Date Analyzed: 05/21/2025 Time Analyzed: 10:46

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
VX0521WBS01	VX0521WBS01	VX046287.D	05/21/2025
VX0521WBSD01	VX0521WBSD01	VX046288.D	05/21/2025
FB-05152025	Q2075-07	VX046292.D	05/21/2025
FB-05162025	Q2075-08	VX046293.D	05/21/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0523MBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046332.D Lab Sample ID: VX0523MBL01

Date Analyzed: 05/23/2025 Time Analyzed: 09:53

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
VX0523MBS01	VX0523MBS01	VX046335.D	05/23/2025
SS-MW1-11.5ME	Q2075-06ME	VX046336.D	05/23/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0520SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022330.D Lab Sample ID: VY0520SBL01

Date Analyzed: 05/20/2025 Time Analyzed: 09:48

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0520SBS01	VY0520SBS01	VY022331.D	05/20/2025
SS-10	Q2075-01	VY022343.D	05/20/2025
SS-910	Q2075-02	VY022344.D	05/20/2025
SS-11	Q2075-03	VY022345.D	05/20/2025
SS-11MS	Q2075-04MS	VY022350.D	05/20/2025
SS-11MSD	Q2075-05MSD	VY022351.D	05/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0522SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022381.D Lab Sample ID: VY0522SBL01

Date Analyzed: 05/22/2025 Time Analyzed: 09:07

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0522SBS01	VY0522SBS01	VY022382.D	05/22/2025
SS-MW1-11.5	Q2075-06	VY022403.D	05/22/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046283.D BFB Injection Date: 05/21/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:13

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	21.4
75	30.0 - 60.0% of mass 95	56.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	67.1 (95.7) 1
177	5.0 - 9.0% of mass 176	4.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046284.D	05/21/2025	09:55
VX0521WBL01	VX0521WBL01	VX046286.D	05/21/2025	10:46
VX0521WBS01	VX0521WBS01	VX046287.D	05/21/2025	11:09
VX0521WBSD01	VX0521WBSD01	VX046288.D	05/21/2025	11:36
FB-05152025	Q2075-07	VX046292.D	05/21/2025	13:09
FB-05162025	Q2075-08	VX046293.D	05/21/2025	13:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046330.D BFB Injection Date: 05/23/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:25

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	22
75	30.0 - 60.0% of mass 95	56.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.6 (6.9) 1
176	95.0 - 101.0% of mass 174	64 (95.9) 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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046331.D	05/23/2025	09:24
VX0523MBL01	VX0523MBL01	VX046332.D	05/23/2025	09:53
VX0523MBS01	VX0523MBS01	VX046335.D	05/23/2025	11:23
SS-MW1-11.5ME	Q2075-06ME	VX046336.D	05/23/2025	11:46

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022252.D BFB Injection Date: 05/15/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022328.D BFB Injection Date: 05/20/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
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	6.7
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	80.3 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022329.D	05/20/2025	08:40
VY0520SBL01	VY0520SBL01	VY022330.D	05/20/2025	09:48
VY0520SBS01	VY0520SBS01	VY022331.D	05/20/2025	10:21
SS-10	Q2075-01	VY022343.D	05/20/2025	15:22
SS-910	Q2075-02	VY022344.D	05/20/2025	15:45
SS-11	Q2075-03	VY022345.D	05/20/2025	16:09
SS-11MS	Q2075-04MS	VY022350.D	05/20/2025	18:04
SS-11MSD	Q2075-05MSD	VY022351.D	05/20/2025	18:26

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022379.D BFB Injection Date: 05/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:05

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.1
75	30.0 - 60.0% of mass 95	57.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.8 (97.4) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022380.D	05/22/2025	08:35
VY0522SBL01	VY0522SBL01	VY022381.D	05/22/2025	09:07
VY0522SBS01	VY0522SBS01	VY022382.D	05/22/2025	09:36
SS-MW1-11.5	Q2075-06	VY022403.D	05/22/2025	18:03

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046284.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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	95080	5.54	161730	6.75	140445	10.05
UPPER LIMIT	190160	6.037	323460	7.251	280890	10.549
LOWER LIMIT	47540	5.037	80865	6.251	70222.5	9.549
EPA SAMPLE NO.						
FB-05152025	63566	5.55	126684	6.76	120601	10.05
FB-05162025	67975	5.55	135035	6.76	128288	10.05
VX0521WBL01	66690	5.54	132814	6.76	124685	10.05
VX0521WBS01	83102	5.54	146697	6.76	130479	10.05
VX0521WBSD01	82656	5.54	142441	6.76	127622	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046284.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	67683	12.018				
UPPER LIMIT	135366	12.518				
LOWER LIMIT	33841.5	11.518				
EPA SAMPLE NO.						
FB-05152025	52644	12.02				
FB-05162025	55957	12.02				
VX0521WBL01	53099	12.02				
VX0521WBS01	62651	12.02				
VX0521WBSD01	60955	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046331.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:24

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	89943	5.54	154938	6.76	137123	10.05
UPPER LIMIT	179886	6.044	309876	7.257	274246	10.549
LOWER LIMIT	44971.5	5.044	77469	6.257	68561.5	9.549
EPA SAMPLE NO.						
SS-MW1-11.5ME	61392	5.54	119098	6.76	110366	10.05
VX0523MBL01	59074	5.54	117281	6.76	111918	10.05
VX0523MBS01	83340	5.54	146324	6.76	129426	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046331.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:24

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	66629	12.018				
UPPER LIMIT	133258	12.518				
LOWER LIMIT	33314.5	11.518				
EPA SAMPLE NO.						
SS-MW1-11.5ME	48680	12.02				
VX0523MBL01	48375	12.02				
VX0523MBS01	63342	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022329.D Date Analyzed: 05/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	180374	7.71	298369	8.62	252391	11.41
UPPER LIMIT	360748	8.207	596738	9.116	504782	11.914
LOWER LIMIT	90187	7.207	149185	8.116	126196	10.914
EPA SAMPLE NO.						
SS-10	237248	7.71	425729	8.62	352723	11.41
SS-910	241551	7.71	430984	8.62	344445	11.41
SS-11	239791	7.71	432569	8.62	345893	11.41
SS-11MS	134739	7.71	248613	8.62	210937	11.41
SS-11MSD	117744	7.71	220285	8.62	197296	11.41
VY0520SBL01	253729	7.71	453295	8.62	355808	11.42
VY0520SBS01	162404	7.71	280923	8.62	236555	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022329.D Date Analyzed: 05/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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

	IS4 AREA #	RT #				
12 HOUR STD	120747	13.346				
UPPER LIMIT	241494	13.846				
LOWER LIMIT	60373.5	12.846				
EPA SAMPLE NO.						
SS-10	138928	13.35				
SS-910	126954	13.35				
SS-11	130644	13.35				
SS-11MS	91777	13.35				
SS-11MSD	91227	13.35				
VY0520SBL01	124571	13.35				
VY0520SBS01	111469	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022380.D Date Analyzed: 05/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	161495	7.72	274168	8.62	235238	11.42
UPPER LIMIT	322990	8.22	548336	9.122	470476	11.92
LOWER LIMIT	80747.5	7.22	137084	8.122	117619	10.92
EPA SAMPLE NO.						
SS-MW1-11.5	234597	7.72	407953	8.62	330547	11.42
VY0522SBL01	263712	7.72	465826	8.62	376365	11.42
VY0522SBS01	174604	7.72	293942	8.62	250842	11.42

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

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

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

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022380.D Date Analyzed: 05/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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

	IS4 AREA #	RT #				
12 HOUR STD	110586	13.353				
UPPER LIMIT	221172	13.853				
LOWER LIMIT	55293	12.853				
EPA SAMPLE NO.						
SS-MW1-11.5	155760	13.35				
VY0522SBL01	137350	13.35				
VY0522SBS01	118480	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0521WBL01	SDG No.:	Q2075
Lab Sample ID:	VX0521WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046286.D	1		05/21/25 10:46	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66700	5.544			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53100	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0523MBL01	SDG No.:	Q2075
Lab Sample ID:	VX0523MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046332.D	1		05/23/25 09:53	VX052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	500	U	79.0	500	ug/Kg
108-88-3	Toluene	500	U	78.0	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	67.0	500	ug/Kg
1330-20-7	Total Xylenes	1500	U	202	1500	ug/Kg
98-82-8	Isopropylbenzene	500	U	78.0	500	ug/Kg
103-65-1	n-propylbenzene	500	U	73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	500	U	82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	500	U	67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	U	64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	500	U	66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	500	U	62.0	500	ug/Kg
104-51-8	n-Butylbenzene	500	U	150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59100	5.544			
540-36-3	1,4-Difluorobenzene	117000	6.757			
3114-55-4	Chlorobenzene-d5	112000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018			

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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0520SBL01	SDG No.:	Q2075
Lab Sample ID:	VY0520SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022330.D	1		05/20/25 09:48	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.707			
540-36-3	1,4-Difluorobenzene	453000	8.615			
3114-55-4	Chlorobenzene-d5	356000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0522SBL01	SDG No.:	Q2075
Lab Sample ID:	VY0522SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022381.D	1		05/22/25 09:07	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.719			
540-36-3	1,4-Difluorobenzene	466000	8.622			
3114-55-4	Chlorobenzene-d5	376000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.353			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0521WBS01	SDG No.:	Q2075
Lab Sample ID:	VX0521WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046287.D	1		05/21/25 11:09	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.3		0.15	1.00	ug/L
108-88-3	Toluene	20.5		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.13	1.00	ug/L
1330-20-7	Total Xylenes	61.2		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	1.00	ug/L
103-65-1	n-propylbenzene	20.4		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.1		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	20.2		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.7		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	20.3		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.5		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	19.7		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	52.4		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83100	5.544			
540-36-3	1,4-Difluorobenzene	147000	6.757			
3114-55-4	Chlorobenzene-d5	130000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	62700	12.018			

U = Not Detected
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0523MBS01	SDG No.:	Q2075
Lab Sample ID:	VX0523MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046335.D	1		05/23/25 11:23	VX052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	2000		79.0	500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg
100-41-4	Ethyl Benzene	2000		67.0	500	ug/Kg
1330-20-7	Total Xylenes	6100		202	1500	ug/Kg
98-82-8	Isopropylbenzene	2000		78.0	500	ug/Kg
103-65-1	n-propylbenzene	1900		73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2100		82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	2000		67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2000		64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	2000		66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	2000		62.0	500	ug/Kg
104-51-8	n-Butylbenzene	1900		150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		38 - 136	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83300	5.544			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0520SBS01	SDG No.:	Q2075
Lab Sample ID:	VY0520SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022331.D	1		05/20/25 10:21	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	59.8		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	20.3		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.5		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.8		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	19.3		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	20.0		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.3		0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.7		1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	7.707			
540-36-3	1,4-Difluorobenzene	281000	8.616			
3114-55-4	Chlorobenzene-d5	237000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.347			

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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0522SBS01	SDG No.:	Q2075
Lab Sample ID:	VY0522SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022382.D	1		05/22/25 09:36	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	19.5		0.79	5.00	ug/Kg
108-88-3	Toluene	19.4		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	56.8		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	19.4		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	18.9		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.2		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	18.8		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.4		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.0		0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.3		1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.719			
540-36-3	1,4-Difluorobenzene	294000	8.622			
3114-55-4	Chlorobenzene-d5	251000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.353			

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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J = Estimated Value
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N = Presumptive Evidence of a Compound
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0521WBSD01	SDG No.:	Q2075
Lab Sample ID:	VX0521WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046288.D	1		05/21/25 11:36	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.4		0.15	1.00	ug/L
108-88-3	Toluene	21.1		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	1.00	ug/L
1330-20-7	Total Xylenes	62.1		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	1.00	ug/L
103-65-1	n-propylbenzene	20.7		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.0		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	20.5		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.9		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	21.1		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.7		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	20.2		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	54.1		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82700	5.544			
540-36-3	1,4-Difluorobenzene	142000	6.757			
3114-55-4	Chlorobenzene-d5	128000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	61000	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-11MS	SDG No.:	Q2075
Lab Sample ID:	Q2075-04MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	8.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022350.D	1		05/20/25 18:04	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	31.6		0.54	3.40	ug/Kg
108-88-3	Toluene	40.1		0.53	3.40	ug/Kg
100-41-4	Ethyl Benzene	46.5		0.46	3.40	ug/Kg
1330-20-7	Total Xylenes	202		1.40	10.2	ug/Kg
98-82-8	Isopropylbenzene	34.0		0.53	3.40	ug/Kg
103-65-1	n-propylbenzene	39.5		0.50	3.40	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	47.6		0.56	3.40	ug/Kg
98-06-6	tert-Butylbenzene	28.7		0.46	3.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	120	E	0.43	3.40	ug/Kg
135-98-8	sec-Butylbenzene	30.9		0.45	3.40	ug/Kg
99-87-6	p-Isopropyltoluene	29.0		0.42	3.40	ug/Kg
104-51-8	n-Butylbenzene	30.5		0.99	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		70 - 134	84%	SPK: 50
2037-26-5	Toluene-d8	39.0		74 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.5		38 - 136	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	7.707			
540-36-3	1,4-Difluorobenzene	249000	8.616			
3114-55-4	Chlorobenzene-d5	211000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	91800	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-11MSD	SDG No.:	Q2075
Lab Sample ID:	Q2075-05MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	8.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022351.D	1		05/20/25 18:26	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	43.1		0.54	3.40	ug/Kg
108-88-3	Toluene	52.7		0.54	3.40	ug/Kg
100-41-4	Ethyl Benzene	54.6		0.46	3.40	ug/Kg
1330-20-7	Total Xylenes	219		1.41	10.3	ug/Kg
98-82-8	Isopropylbenzene	40.5		0.54	3.40	ug/Kg
103-65-1	n-propylbenzene	43.6		0.50	3.40	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	49.0		0.56	3.40	ug/Kg
98-06-6	tert-Butylbenzene	37.7		0.46	3.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	96.4		0.44	3.40	ug/Kg
135-98-8	sec-Butylbenzene	37.6		0.45	3.40	ug/Kg
99-87-6	p-Isopropyltoluene	36.2		0.43	3.40	ug/Kg
104-51-8	n-Butylbenzene	36.4		1.00	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.7		63 - 155	125%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	45.1		74 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		38 - 136	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	118000	7.707			
540-36-3	1,4-Difluorobenzene	220000	8.616			
3114-55-4	Chlorobenzene-d5	197000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	91200	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
n-propylbenzene	4.394	4.854	4.583	4.868	4.186	4.272	4.526	6.4
1,3,5-Trimethylbenzene	3.275	3.488	3.255	3.405	3.053	3.036	3.252	5.6
tert-Butylbenzene	3.115	3.435	3.255	3.411	3.098	3.341	3.276	4.4
1,2,4-Trimethylbenzene	3.274	3.522	3.335	3.444	3.034	3.150	3.293	5.5
sec-Butylbenzene	3.937	4.282	4.095	4.343	3.767	3.708	4.022	6.6
p-Isopropyltoluene	3.206	3.555	3.450	3.599	3.084	3.025	3.320	7.4
n-Butylbenzene	2.748	3.147	3.139	3.346	2.650	2.443	2.912	12
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.9
1,3,5-Trimethylbenzene	3.393	3.386	3.275	3.410	3.251	3.349	3.344	2
tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.3
1,2,4-Trimethylbenzene	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.1
sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.2
p-Isopropyltoluene	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.7
n-Butylbenzene	3.419	3.500	3.491	3.668	3.452	3.533	3.510	2.5
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

* 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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_X Calibration Date/Time: 05/21/2025 09:55

Lab File ID: VX046284.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.417	1.412		-0.35	20
Toluene	0.869	0.857		-1.38	20
Ethyl Benzene	1.929	1.968		2.02	20
m/p-Xylenes	0.706	0.721		2.13	20
o-Xylene	0.688	0.712		3.49	20
Isopropylbenzene	3.893	4.007		2.93	20
n-propylbenzene	4.526	4.671		3.2	20
1,3,5-Trimethylbenzene	3.252	3.344		2.83	20
tert-Butylbenzene	3.276	3.302		0.79	20
1,2,4-Trimethylbenzene	3.293	3.417		3.77	20
sec-Butylbenzene	4.022	4.193		4.25	20
p-Isopropyltoluene	3.320	3.467		4.43	20
n-Butylbenzene	2.912	3.134		7.62	20
1,2-Dichloroethane-d4	0.932	0.913		-2.04	20
Dibromofluoromethane	0.360	0.371		3.06	20
Toluene-d8	1.246	1.223		-1.85	20
4-Bromofluorobenzene	0.478	0.481		0.63	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_X Calibration Date/Time: 05/23/2025 09:24

Lab File ID: VX046331.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.417	1.421		0.28	20
Toluene	0.869	0.878		1.04	20
Ethyl Benzene	1.929	1.985		2.9	20
m/p-Xylenes	0.706	0.719		1.84	20
o-Xylene	0.688	0.714		3.78	20
Isopropylbenzene	3.893	3.986		2.39	20
n-propylbenzene	4.526	4.678		3.36	20
1,3,5-Trimethylbenzene	3.252	3.374		3.75	20
tert-Butylbenzene	3.276	3.334		1.77	20
1,2,4-Trimethylbenzene	3.293	3.388		2.88	20
sec-Butylbenzene	4.022	4.204		4.53	20
p-Isopropyltoluene	3.320	3.484		4.94	20
n-Butylbenzene	2.912	3.156		8.38	20
1,2-Dichloroethane-d4	0.932	0.966		3.65	20
Dibromofluoromethane	0.360	0.384		6.67	20
Toluene-d8	1.246	1.307		4.9	20
4-Bromofluorobenzene	0.478	0.514		7.53	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_Y Calibration Date/Time: 05/20/2025 08:40

Lab File ID: VY022329.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.457	1.473		1.1	20
Toluene	0.923	0.912		-1.19	20
Ethyl Benzene	2.113	2.120		0.33	20
m/p-Xylenes	0.796	0.803		0.88	20
o-Xylene	0.753	0.738		-1.99	20
Isopropylbenzene	4.142	4.147		0.12	20
n-propylbenzene	4.996	5.062		1.32	20
1,3,5-Trimethylbenzene	3.344	3.297		-1.41	20
tert-Butylbenzene	2.972	2.924		-1.62	20
1,2,4-Trimethylbenzene	3.319	3.232		-2.62	20
sec-Butylbenzene	4.412	4.438		0.59	20
p-Isopropyltoluene	3.710	3.717		0.19	20
n-Butylbenzene	3.510	3.562		1.48	20
1,2-Dichloroethane-d4	0.546	0.533		-2.38	20
Dibromofluoromethane	0.298	0.305		2.35	20
Toluene-d8	1.222	1.259		3.03	20
4-Bromofluorobenzene	0.387	0.375		-3.1	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_Y Calibration Date/Time: 05/22/2025 08:35

Lab File ID: VY022380.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.457	1.548		6.25	20
Toluene	0.923	0.978		5.96	20
Ethyl Benzene	2.113	2.234		5.73	20
m/p-Xylenes	0.796	0.849		6.66	20
o-Xylene	0.753	0.791		5.05	20
Isopropylbenzene	4.142	4.432		7	20
n-propylbenzene	4.996	5.385		7.79	20
1,3,5-Trimethylbenzene	3.344	3.533		5.65	20
tert-Butylbenzene	2.972	3.200		7.67	20
1,2,4-Trimethylbenzene	3.319	3.526		6.24	20
sec-Butylbenzene	4.412	4.835		9.59	20
p-Isopropyltoluene	3.710	4.077		9.89	20
n-Butylbenzene	3.510	3.887		10.74	20
1,2-Dichloroethane-d4	0.546	0.561		2.75	20
Dibromofluoromethane	0.298	0.318		6.71	20
Toluene-d8	1.222	1.298		6.22	20
4-Bromofluorobenzene	0.387	0.387		0	20

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