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.

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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**
			SVOCMS Group3	8270E		05/20/25	05/22/25	
Q2075-02	**SS-910**	**SOIL**			**05/15/25**			**05/16/25**
			SVOCMS Group3	8270E		05/20/25	05/22/25	
Q2075-03	**SS-11**	**SOIL**			**05/15/25**			**05/16/25**
			SVOCMS Group3	8270E		05/20/25	05/21/25	
Q2075-06	**SS-MW1-11.5**	**SOIL**			**05/16/25**			**05/16/25**
			SVOCMS Group3	8270E		05/20/25	05/21/25	
Q2075-07	**FB-05152025**	**Water**			**05/15/25**			**05/16/25**
			SVOCMS Group3	8270E		05/21/25	05/22/25	
Q2075-08	**FB-05162025**	**Water**			**05/16/25**			**05/16/25**
			SVOCMS Group3	8270E		05/21/25	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	Phenanthrene	830.000		26.2	210	ug/Kg
Q2075-01	SS-10	SOIL	Anthracene	110.000	J	41.7	210	ug/Kg
Q2075-01	SS-10	SOIL	Fluoranthene	1,200.000		37.6	210	ug/Kg
Q2075-01	SS-10	SOIL	Pyrene	660.000		45.1	210	ug/Kg
Q2075-01	SS-10	SOIL	Benzo(a)anthracene	420.000		28.8	210	ug/Kg
Q2075-01	SS-10	SOIL	Chrysene	490.000		24.9	210	ug/Kg
Q2075-01	SS-10	SOIL	Benzo(b)fluoranthene	640.000		23.8	210	ug/Kg
Q2075-01	SS-10	SOIL	Benzo(k)fluoranthene	220.000		28.1	210	ug/Kg
Q2075-01	SS-10	SOIL	Benzo(a)pyrene	350.000		37	210	ug/Kg
Q2075-01	SS-10	SOIL	Indeno(1,2,3-cd)pyrene	160.000	J	36.5	210	ug/Kg
Q2075-01	SS-10	SOIL	Benzo(g,h,i)perylene	170.000	J	32.2	210	ug/Kg
			Total Svoc :	**5,250.00**				
			Total Concentration:	**5,250.00**				
Client ID : SS-910								
Q2075-02	SS-910	SOIL	Phenanthrene	440.000		25.7	210	ug/Kg
Q2075-02	SS-910	SOIL	Fluoranthene	940.000		36.8	210	ug/Kg
Q2075-02	SS-910	SOIL	Pyrene	490.000		44.2	210	ug/Kg
Q2075-02	SS-910	SOIL	Benzo(a)anthracene	290.000		28.2	210	ug/Kg
Q2075-02	SS-910	SOIL	Chrysene	320.000		24.4	210	ug/Kg
Q2075-02	SS-910	SOIL	Benzo(b)fluoranthene	520.000		23.3	210	ug/Kg
Q2075-02	SS-910	SOIL	Benzo(k)fluoranthene	180.000	J	27.5	210	ug/Kg
Q2075-02	SS-910	SOIL	Benzo(a)pyrene	310.000		36.2	210	ug/Kg
Q2075-02	SS-910	SOIL	Indeno(1,2,3-cd)pyrene	150.000	J	35.7	210	ug/Kg
Q2075-02	SS-910	SOIL	Benzo(g,h,i)perylene	170.000	J	31.5	210	ug/Kg
			Total Svoc :	**3,810.00**				
			Total Concentration:	**3,810.00**				
Client ID : SS-11								
Q2075-03	SS-11	SOIL	Fluoranthene	120.000	J	34.3	190	ug/Kg
			Total Svoc :	**120.00**				
			Total Concentration:	**120.00**				

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:	8270E	% Solid:	79.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142510.D	1	05/20/25 09:45	05/22/25 15:07	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	210	U	28.4	210	ug/Kg
208-96-8	Acenaphthylene	210	U	36.2	210	ug/Kg
83-32-9	Acenaphthene	210	U	26.7	210	ug/Kg
86-73-7	Fluorene	210	U	31.7	210	ug/Kg
85-01-8	Phenanthrene	830		26.2	210	ug/Kg
120-12-7	Anthracene	110	J	41.7	210	ug/Kg
206-44-0	Fluoranthene	1200		37.6	210	ug/Kg
129-00-0	Pyrene	660		45.1	210	ug/Kg
56-55-3	Benzo(a)anthracene	420		28.8	210	ug/Kg
218-01-9	Chrysene	490		24.9	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	640		23.8	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	220		28.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	350		37.0	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	36.5	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	34.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	J	32.2	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	43.6		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.5		20 - 109	38%	SPK: 100
1718-51-0	Terphenyl-d14	29.7		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	453000	8.18			
15067-26-2	Acenaphthene-d10	223000	9.933			
1517-22-2	Phenanthrene-d10	308000	11.421			
1719-03-5	Chrysene-d12	229000	14.062			
1520-96-3	Perylene-d12	198000	15.556			

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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:	8270E	% Solid:	79.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142510.D	1	05/20/25 09:45	05/22/25 15:07	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	SS-910	SDG No.:	Q2075
Lab Sample ID:	Q2075-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142511.D	1	05/20/25 09:45	05/22/25 15:36	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	210	U	27.9	210	ug/Kg
208-96-8	Acenaphthylene	210	U	35.5	210	ug/Kg
83-32-9	Acenaphthene	210	U	26.1	210	ug/Kg
86-73-7	Fluorene	210	U	31.1	210	ug/Kg
85-01-8	Phenanthrene	440		25.7	210	ug/Kg
120-12-7	Anthracene	210	U	40.9	210	ug/Kg
206-44-0	Fluoranthene	940		36.8	210	ug/Kg
129-00-0	Pyrene	490		44.2	210	ug/Kg
56-55-3	Benzo(a)anthracene	290		28.2	210	ug/Kg
218-01-9	Chrysene	320		24.4	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	520		23.3	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	27.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	310		36.2	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	J	35.7	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	33.6	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	J	31.5	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	49.5		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1		20 - 109	43%	SPK: 100
1718-51-0	Terphenyl-d14	35.4		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	117000	6.898			
1146-65-2	Naphthalene-d8	418000	8.181			
15067-26-2	Acenaphthene-d10	191000	9.934			
1517-22-2	Phenanthrene-d10	271000	11.422			
1719-03-5	Chrysene-d12	225000	14.063			
1520-96-3	Perylene-d12	177000	15.557			

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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:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142511.D	1	05/20/25 09:45	05/22/25 15:36	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	SS-11	SDG No.:	Q2075
Lab Sample ID:	Q2075-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142486.D	1	05/20/25 09:45	05/21/25 14:37	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	190	U	25.9	190	ug/Kg
208-96-8	Acenaphthylene	190	U	33.0	190	ug/Kg
83-32-9	Acenaphthene	190	U	24.3	190	ug/Kg
86-73-7	Fluorene	190	U	28.9	190	ug/Kg
85-01-8	Phenanthrene	190	U	23.9	190	ug/Kg
120-12-7	Anthracene	190	U	38.1	190	ug/Kg
206-44-0	Fluoranthene	120	J	34.3	190	ug/Kg
129-00-0	Pyrene	190	U	41.1	190	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	26.3	190	ug/Kg
218-01-9	Chrysene	190	U	22.7	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	21.7	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	33.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	29.4	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	64.7		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.2		20 - 109	56%	SPK: 100
1718-51-0	Terphenyl-d14	42.2		10 - 105	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63600	6.898			
1146-65-2	Naphthalene-d8	239000	8.181			
15067-26-2	Acenaphthene-d10	132000	9.939			
1517-22-2	Phenanthrene-d10	251000	11.427			
1719-03-5	Chrysene-d12	246000	14.068			
1520-96-3	Perylene-d12	209000	15.557			

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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:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142486.D	1	05/20/25 09:45	05/21/25 14:37	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	SS-MW1-11.5	SDG No.:	Q2075
Lab Sample ID:	Q2075-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142489.D	1	05/20/25 09:45	05/21/25 16:03	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	190	U	24.9	190	ug/Kg
208-96-8	Acenaphthylene	190	U	31.7	190	ug/Kg
83-32-9	Acenaphthene	190	U	23.4	190	ug/Kg
86-73-7	Fluorene	190	U	27.7	190	ug/Kg
85-01-8	Phenanthrene	190	U	22.9	190	ug/Kg
120-12-7	Anthracene	190	U	36.5	190	ug/Kg
206-44-0	Fluoranthene	190	U	32.9	190	ug/Kg
129-00-0	Pyrene	190	U	39.5	190	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	25.2	190	ug/Kg
218-01-9	Chrysene	190	U	21.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	20.8	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	24.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	32.4	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	31.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	30.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	28.2	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	53.3		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		20 - 109	49%	SPK: 100
1718-51-0	Terphenyl-d14	38.9		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59300	6.898			
1146-65-2	Naphthalene-d8	207000	8.181			
15067-26-2	Acenaphthene-d10	104000	9.939			
1517-22-2	Phenanthrene-d10	179000	11.422			
1719-03-5	Chrysene-d12	153000	14.063			
1520-96-3	Perylene-d12	126000	15.557			

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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:	8270E	% Solid:	91
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142489.D	1	05/20/25 09:45	05/21/25 16:03	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	8270E	% Solid:	0
Sample Wt/Vol:	810 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024758.D	1	05/21/25 08:40	05/22/25 14:19	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	6.20	U	0.62	6.20	ug/L
208-96-8	Acenaphthylene	6.20	U	0.93	6.20	ug/L
83-32-9	Acenaphthene	6.20	U	0.68	6.20	ug/L
86-73-7	Fluorene	6.20	U	0.78	6.20	ug/L
85-01-8	Phenanthrene	6.20	U	0.62	6.20	ug/L
120-12-7	Anthracene	6.20	U	0.75	6.20	ug/L
206-44-0	Fluoranthene	6.20	U	1.00	6.20	ug/L
129-00-0	Pyrene	6.20	U	0.62	6.20	ug/L
56-55-3	Benzo(a)anthracene	6.20	U	0.56	6.20	ug/L
218-01-9	Chrysene	6.20	U	0.54	6.20	ug/L
205-99-2	Benzo(b)fluoranthene	6.20	U	0.60	6.20	ug/L
207-08-9	Benzo(k)fluoranthene	6.20	U	0.59	6.20	ug/L
50-32-8	Benzo(a)pyrene	6.20	U	0.68	6.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	6.20	U	0.73	6.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	6.20	U	0.83	6.20	ug/L
191-24-2	Benzo(g,h,i)perylene	6.20	U	0.85	6.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	66.0		49 - 133	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.0		52 - 132	63%	SPK: 100
1718-51-0	Terphenyl-d14	83.4		48 - 125	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	104000	7.652			
1146-65-2	Naphthalene-d8	395000	10.422			
15067-26-2	Acenaphthene-d10	245000	14.287			
1517-22-2	Phenanthrene-d10	487000	17.086			
1719-03-5	Chrysene-d12	600000	21.522			
1520-96-3	Perylene-d12	736000	24.815			

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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:	8270E			% Solid:	0
Sample Wt/Vol:	810	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024758.D	1	05/21/25 08:40	05/22/25 14:19	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	05/16/25
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:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024748.D	1	05/21/25 08:40	05/21/25 22:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.30	U	0.53	5.30	ug/L
208-96-8	Acenaphthylene	5.30	U	0.80	5.30	ug/L
83-32-9	Acenaphthene	5.30	U	0.59	5.30	ug/L
86-73-7	Fluorene	5.30	U	0.67	5.30	ug/L
85-01-8	Phenanthrene	5.30	U	0.53	5.30	ug/L
120-12-7	Anthracene	5.30	U	0.65	5.30	ug/L
206-44-0	Fluoranthene	5.30	U	0.87	5.30	ug/L
129-00-0	Pyrene	5.30	U	0.53	5.30	ug/L
56-55-3	Benzo(a)anthracene	5.30	U	0.48	5.30	ug/L
218-01-9	Chrysene	5.30	U	0.47	5.30	ug/L
205-99-2	Benzo(b)fluoranthene	5.30	U	0.52	5.30	ug/L
207-08-9	Benzo(k)fluoranthene	5.30	U	0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	5.30	U	0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.30	U	0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.30	U	0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	5.30	U	0.73	5.30	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.7		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		52 - 132	74%	SPK: 100
1718-51-0	Terphenyl-d14	89.5		48 - 125	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87700	7.652			
1146-65-2	Naphthalene-d8	326000	10.422			
15067-26-2	Acenaphthene-d10	217000	14.286			
1517-22-2	Phenanthrene-d10	458000	17.092			
1719-03-5	Chrysene-d12	547000	21.51			
1520-96-3	Perylene-d12	672000	24.798			

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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:	8270E			% Solid:	0
Sample Wt/Vol:	940	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024748.D	1	05/21/25 08:40	05/21/25 22:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168083BL	PB168083BL	Nitrobenzene-d5	100	67.4	67		18	107
		2-Fluorobiphenyl	100	69.4	69		20	109
		Terphenyl-d14	100	62.4	62		10	105
PB168083BS	PB168083BS	Nitrobenzene-d5	100	69.4	69		18	107
		2-Fluorobiphenyl	100	66.0	66		20	109
		Terphenyl-d14	100	81.6	82		10	105
Q2075-01	SS-10	Nitrobenzene-d5	100	43.6	44		18	107
		2-Fluorobiphenyl	100	37.5	38		20	109
		Terphenyl-d14	100	29.7	30		10	105
Q2075-02	SS-910	Nitrobenzene-d5	100	49.5	49		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		Terphenyl-d14	100	35.4	35		10	105
Q2075-03	SS-11	Nitrobenzene-d5	100	64.7	65		18	107
		2-Fluorobiphenyl	100	56.2	56		20	109
		Terphenyl-d14	100	42.2	42		10	105
Q2075-04MS	SS-11MS	Nitrobenzene-d5	100	60.4	60		18	107
		2-Fluorobiphenyl	100	51.6	52		20	109
		Terphenyl-d14	100	41.5	41		10	105
Q2075-05MSD	SS-11MSD	Nitrobenzene-d5	100	59.6	60		18	107
		2-Fluorobiphenyl	100	54.4	54		20	109
		Terphenyl-d14	100	40.2	40		10	105
Q2075-06	SS-MW1-11.5	Nitrobenzene-d5	100	53.3	53		18	107
		2-Fluorobiphenyl	100	48.6	49		20	109
		Terphenyl-d14	100	38.9	39		10	105

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Surrogate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168098BL	PB168098BL	Nitrobenzene-d5	100	75.0	75		49	133
		2-Fluorobiphenyl	100	77.3	77		52	132
		Terphenyl-d14	100	83.0	83		48	125
PB168098BS	PB168098BS	Nitrobenzene-d5	100	72.8	73		49	133
		2-Fluorobiphenyl	100	76.3	76		52	132
		Terphenyl-d14	100	77.9	78		48	125
PB168098BSD	PB168098BSD	Nitrobenzene-d5	100	73.9	74		49	133
		2-Fluorobiphenyl	100	76.8	77		52	132
		Terphenyl-d14	100	81.5	81		48	125
Q2075-07	FB-05152025	Nitrobenzene-d5	100	66.0	66		49	133
		2-Fluorobiphenyl	100	63.0	63		52	132
		Terphenyl-d14	100	83.4	83		48	125
Q2075-08	FB-05162025	Nitrobenzene-d5	100	73.7	74		49	133
		2-Fluorobiphenyl	100	74.4	74		52	132
		Terphenyl-d14	100	89.5	90		48	125

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2075-04MS		**Client Sample ID:** SS-11MS						**DataFile:**	BF142487.D		
Naphthalene	1900	0	1600	ug/Kg	84				72	110	
Acenaphthylene	1900	0	1600	ug/Kg	84				79	118	
Acenaphthene	1900	0	1800	ug/Kg	95				70	121	
Fluorene	1900	0	1700	ug/Kg	89				68	116	
Phenanthrene	1900	0	1600	ug/Kg	84				52	128	
Anthracene	1900	0	1700	ug/Kg	89				62	124	
Fluoranthene	1900	120	2200	ug/Kg	109				44	125	
Pyrene	1900	0	1300	ug/Kg	68				26	142	
Benzo(a)anthracene	1900	0	1700	ug/Kg	89				71	114	
Chrysene	1900	0	1600	ug/Kg	84				57	121	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1900	0	1600	ug/Kg	84				57	134	
Benzo(a)pyrene	1900	0	1700	ug/Kg	89				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	1400	ug/Kg	74				40	129	
Dibenz(a,h)anthracene	1900	0	1400	ug/Kg	74				43	123	
Benzo(g,h,i)perylene	1900	0	1300	ug/Kg	68				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2075-05MSD		**Client Sample ID:** SS-11MSD						**DataFile:** BF142488.D			
Naphthalene	1900	0	1600	ug/Kg	84		0		72	110	20
Acenaphthylene	1900	0	1600	ug/Kg	84		0		79	118	20
Acenaphthene	1900	0	1800	ug/Kg	95		0		70	121	20
Fluorene	1900	0	1600	ug/Kg	84		6		68	116	20
Phenanthrene	1900	0	1700	ug/Kg	89		6		52	128	20
Anthracene	1900	0	1700	ug/Kg	89		0		62	124	20
Fluoranthene	1900	120	2300	ug/Kg	115		5		44	125	20
Pyrene	1900	0	1300	ug/Kg	68		0		26	142	20
Benzo(a)anthracene	1900	0	1600	ug/Kg	84		6		71	114	20
Chrysene	1900	0	1600	ug/Kg	84		0		57	121	20
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89		12		67	121	20
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		6		57	134	20
Benzo(a)pyrene	1900	0	1700	ug/Kg	89		0		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1400	ug/Kg	74		0		40	129	20
Dibenz(a,h)anthracene	1900	0	1300	ug/Kg	68		8		43	123	20
Benzo(g,h,i)perylene	1900	0	1300	ug/Kg	68		0		24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142480.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168083BS	Naphthalene	1700	1400	ug/Kg	82				62	100	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1300	ug/Kg	76				61	105	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BP024755.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168098BS	Naphthalene	50	43.0	ug/L	86				64	107	
	Acenaphthylene	50	42.4	ug/L	85				79	103	
	Acenaphthene	50	42.1	ug/L	84				59	113	
	Fluorene	50	44.1	ug/L	88				64	107	
	Phenanthrene	50	43.2	ug/L	86				62	109	
	Anthracene	50	44.5	ug/L	89				65	110	
	Fluoranthene	50	46.0	ug/L	92				64	110	
	Pyrene	50	44.5	ug/L	89				71	103	
	Benzo(a)anthracene	50	43.9	ug/L	88				62	107	
	Chrysene	50	44.1	ug/L	88				61	108	
	Benzo(b)fluoranthene	50	44.2	ug/L	88				77	113	
	Benzo(k)fluoranthene	50	44.0	ug/L	88				77	105	
	Benzo(a)pyrene	50	44.8	ug/L	90				72	131	
	Indeno(1,2,3-cd)pyrene	50	45.7	ug/L	91				72	105	
	Dibenz(a,h)anthracene	50	46.0	ug/L	92				78	115	
	Benzo(g,h,i)perylene	50	44.9	ug/L	90				75	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BP024756.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168098BSD	Naphthalene	50	43.4	ug/L	87	1			64	107	20
	Acenaphthylene	50	43.6	ug/L	87	3			79	103	20
	Acenaphthene	50	43.5	ug/L	87	3			59	113	20
	Fluorene	50	44.9	ug/L	90	2			64	107	20
	Phenanthrene	50	44.0	ug/L	88	2			62	109	20
	Anthracene	50	45.1	ug/L	90	1			65	110	20
	Fluoranthene	50	45.8	ug/L	92	0			64	110	20
	Pyrene	50	45.6	ug/L	91	2			71	103	20
	Benzo(a)anthracene	50	45.5	ug/L	91	4			62	107	20
	Chrysene	50	44.4	ug/L	89	1			61	108	20
	Benzo(b)fluoranthene	50	46.7	ug/L	93	6			77	113	20
	Benzo(k)fluoranthene	50	45.6	ug/L	91	4			77	105	20
	Benzo(a)pyrene	50	46.1	ug/L	92	3			72	131	20
	Indeno(1,2,3-cd)pyrene	50	44.8	ug/L	90	2			72	105	20
	Dibenz(a,h)anthracene	50	45.2	ug/L	90	2			78	115	20
	Benzo(g,h,i)perylene	50	43.9	ug/L	88	2			75	118	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168083BL

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BF142479.D Lab Sample ID: PB168083BL

Instrument ID: BNA_F Date Extracted: 05/20/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/21/2025

Level: (low/med) LOW Time Analyzed: 11:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168083BS	PB168083BS	BF142480.D	05/21/2025
SS-11	Q2075-03	BF142486.D	05/21/2025
SS-11MS	Q2075-04MS	BF142487.D	05/21/2025
SS-11MSD	Q2075-05MSD	BF142488.D	05/21/2025
SS-MW1-11.5	Q2075-06	BF142489.D	05/21/2025
SS-10	Q2075-01	BF142510.D	05/22/2025
SS-910	Q2075-02	BF142511.D	05/22/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168098BL

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BP024754.D Lab Sample ID: PB168098BL

Instrument ID: BNA_P Date Extracted: 05/21/2025

Matrix: (soil/water) Water Date Analyzed: 05/22/2025

Level: (low/med) LOW Time Analyzed: 11:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168098BS	PB168098BS	BP024755.D	05/22/2025
PB168098BSD	PB168098BSD	BP024756.D	05/22/2025
FB-05152025	Q2075-07	BP024758.D	05/22/2025
FB-05162025	Q2075-08	BP024748.D	05/21/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	44.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69 2-Value is % mass 442

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
SSTDICC2.5	SSTDICC2.5	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BF142477.D DFTPP Injection Date: 05/21/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.0
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	18.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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
SSTDCCC040	SSTDCCC040	BF142478.D	05/21/2025	10:40
PB168083BL	PB168083BL	BF142479.D	05/21/2025	11:09
PB168083BS	PB168083BS	BF142480.D	05/21/2025	11:37
SS-11	Q2075-03	BF142486.D	05/21/2025	14:37
SS-11MS	Q2075-04MS	BF142487.D	05/21/2025	15:06
SS-11MSD	Q2075-05MSD	BF142488.D	05/21/2025	15:34
SS-MW1-11.5	Q2075-06	BF142489.D	05/21/2025	16:03

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BF142501.D DFTPP Injection Date: 05/22/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	33.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	30.3
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	20.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 2

1-Value is % mass 69 2-Value is % mass 442

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
SSTDCCC040	SSTDCCC040	BF142502.D	05/22/2025	11:11
SS-10	Q2075-01	BF142510.D	05/22/2025	15:07
SS-910	Q2075-02	BF142511.D	05/22/2025	15:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	33.1
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	19.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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
SSTDICC2.5	SSTDICC2.5	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BP024736.D DFTPP Injection Date: 05/21/2025

Instrument ID: BNA_P DFTPP Injection Time: 12:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.7
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	47.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	33.3
365	Greater than 1% of mass 198	5.6
441	Present, but less than mass 443	22.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442

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
SSTDCCC040	SSTDCCC040	BP024737.D	05/21/2025	14:48
FB-05162025	Q2075-08	BP024748.D	05/21/2025	22:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

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

Lab File ID: BP024752.D DFTPP Injection Date: 05/22/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	46.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 60.0% of mass 198	33.7
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	22.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69 2-Value is % mass 442

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
SSTDCCC040	SSTDCCC040	BP024753.D	05/22/2025	10:56
PB168098BL	PB168098BL	BP024754.D	05/22/2025	11:37
PB168098BS	PB168098BS	BP024755.D	05/22/2025	12:18
PB168098BSD	PB168098BSD	BP024756.D	05/22/2025	12:58
FB-05152025	Q2075-07	BP024758.D	05/22/2025	14:19

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/21/2025

Lab File ID: BF142478.D Time Analyzed: 10:40

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	124102	6.898	475212	8.19	258765	9.94
	UPPER LIMIT	248204	7.398	950424	8.686	517530	10.439
	LOWER LIMIT	62051	6.398	237606	7.686	129383	9.439
	EPA SAMPLE NO.						
01	PB168083BL	127003	6.90	492428	8.18	264579	9.94
02	PB168083BS	124824	6.90	495438	8.19	277044	9.94
03	SS-11	63588	6.90	238505	8.18	131818	9.94
04	SS-11MS	54835 *	6.90	200654 *	8.18	113830 *	9.94
05	SS-11MSD	53473 *	6.90	192497 *	8.18	95696 *	9.94
06	SS-MW1-11.5	59263 *	6.90	206974 *	8.18	103588 *	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER 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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/21/2025

Lab File ID: BF142478.D Time Analyzed: 10:40

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	454448	11.427	231233	14.068	233183	15.562
	UPPER LIMIT	908896	11.927	462466	14.568	466366	16.062
	LOWER LIMIT	227224	10.927	115617	13.568	116592	15.062
	EPA SAMPLE NO.						
01	PB168083BL	511963	11.43	324877	14.07	234653	15.56
02	PB168083BS	468851	11.43	214548	14.07	229705	15.56
03	SS-11	250730	11.43	246437	14.07	209013	15.56
04	SS-11MS	229012	11.43	210926	14.07	176162	15.56
05	SS-11MSD	179294 *	11.43	174160	14.07	147670	15.56
06	SS-MW1-11.5	179364 *	11.42	153166	14.06	125915	15.56

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BF142502.D Time Analyzed: 11:11

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	96659	6.898	372701	8.19	197309	9.94
	UPPER LIMIT	193318	7.398	745402	8.687	394618	10.439
	LOWER LIMIT	48329.5	6.398	186351	7.687	98654.5	9.439
	EPA SAMPLE NO.						
01	SS-10	120361	6.90	452635	8.18	223139	9.93
02	SS-910	116551	6.90	418491	8.18	190753	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER 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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BF142502.D Time Analyzed: 11:11

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	315055	11.428	157895	14.069	195527	15.557
	UPPER LIMIT	630110	11.928	315790	14.569	391054	16.057
	LOWER LIMIT	157528	10.928	78947.5	13.569	97763.5	15.057
	EPA SAMPLE NO.						
01	SS-10	308296	11.42	228905	14.06	198076	15.56
02	SS-910	271357	11.42	225312	14.06	176642	15.56

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/21/2025

Lab File ID: BP024737.D Time Analyzed: 14:48

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	128557	7.646	504282	10.42	338214	14.29
	UPPER LIMIT	257114	8.146	1008560	10.916	676428	14.787
	LOWER LIMIT	64278.5	7.146	252141	9.916	169107	13.787
	EPA SAMPLE NO.						
01	FB-05162025	87679	7.65	325514	10.42	217493	14.29

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER 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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/21/2025

Lab File ID: BP024737.D Time Analyzed: 14:48

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	643332	17.081	728456	21.51	831576	24.786
	UPPER LIMIT	1286660	17.581	1456910	22.01	1663150	25.286
	LOWER LIMIT	321666	16.581	364228	21.01	415788	24.286
	EPA SAMPLE NO.						
01	FB-05162025	457611	17.09	547413	21.51	671507	24.80

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BP024753.D Time Analyzed: 10:56

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	103714	7.652	424752	10.42	258861	14.28
	UPPER LIMIT	207428	8.152	849504	10.922	517722	14.781
	LOWER LIMIT	51857	7.152	212376	9.922	129431	13.781
	EPA SAMPLE NO.						
01	PB168098BL	115351	7.65	453620	10.42	285428	14.29
02	PB168098BS	114889	7.65	451979	10.42	283120	14.29
03	PB168098BSD	126327	7.65	523024	10.42	338733	14.29
04	FB-05152025	103638	7.65	395386	10.42	244728	14.29

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER 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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BP024753.D Time Analyzed: 10:56

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	515151	17.075	613668	21.516	759397	24.792
	UPPER LIMIT	1030300	17.575	1227340	22.016	1518790	25.292
	LOWER LIMIT	257576	16.575	306834	21.016	379699	24.292
	EPA SAMPLE NO.						
01	PB168098BL	613349	17.09	715536	21.52	855120	24.82
02	PB168098BS	568580	17.09	655197	21.52	754804	24.82
03	PB168098BSD	686645	17.09	768545	21.51	835982	24.79
04	FB-05152025	486633	17.09	599957	21.52	736321	24.82

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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

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:	PB168083BL			SDG No.:	Q2075
Lab Sample ID:	PB168083BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142479.D	1	05/20/25 09:45	05/21/25 11:09	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	170	U	22.7	170	ug/Kg
208-96-8	Acenaphthylene	170	U	28.9	170	ug/Kg
83-32-9	Acenaphthene	170	U	21.3	170	ug/Kg
86-73-7	Fluorene	170	U	25.3	170	ug/Kg
85-01-8	Phenanthrene	170	U	20.9	170	ug/Kg
120-12-7	Anthracene	170	U	33.3	170	ug/Kg
206-44-0	Fluoranthene	170	U	30.0	170	ug/Kg
129-00-0	Pyrene	170	U	36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	23.0	170	ug/Kg
218-01-9	Chrysene	170	U	19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	19.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	67.4		18 - 107	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.4		20 - 109	69%	SPK: 100
1718-51-0	Terphenyl-d14	62.4		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.898			
1146-65-2	Naphthalene-d8	492000	8.181			
15067-26-2	Acenaphthene-d10	265000	9.939			
1517-22-2	Phenanthrene-d10	512000	11.428			
1719-03-5	Chrysene-d12	325000	14.069			
1520-96-3	Perylene-d12	235000	15.563			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168083BL			SDG No.:	Q2075
Lab Sample ID:	PB168083BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142479.D	1	05/20/25 09:45	05/21/25 11:09	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	PB168098BL	SDG No.:	Q2075
Lab Sample ID:	PB168098BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.00	U	0.50	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	0.75	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	0.55	5.00	ug/L
86-73-7	Fluorene	5.00	U	0.63	5.00	ug/L
85-01-8	Phenanthrene	5.00	U	0.50	5.00	ug/L
120-12-7	Anthracene	5.00	U	0.61	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	0.82	5.00	ug/L
129-00-0	Pyrene	5.00	U	0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	0.45	5.00	ug/L
218-01-9	Chrysene	5.00	U	0.44	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	5.00	U	0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	75.0		49 - 133	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		52 - 132	77%	SPK: 100
1718-51-0	Terphenyl-d14	83.0		48 - 125	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	7.652			
1146-65-2	Naphthalene-d8	454000	10.422			
15067-26-2	Acenaphthene-d10	285000	14.287			
1517-22-2	Phenanthrene-d10	613000	17.092			
1719-03-5	Chrysene-d12	716000	21.522			
1520-96-3	Perylene-d12	855000	24.821			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168098BL			SDG No.:	Q2075
Lab Sample ID:	PB168098BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	PB168083BS	SDG No.:	Q2075
Lab Sample ID:	PB168083BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142480.D	1	05/20/25 09:45	05/21/25 11:37	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
208-96-8	Acenaphthylene	1300		28.9	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
86-73-7	Fluorene	1300		25.3	170	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1300		33.3	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	1400		23.0	170	ug/Kg
218-01-9	Chrysene	1400		19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	69.4		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.0		20 - 109	66%	SPK: 100
1718-51-0	Terphenyl-d14	81.6		10 - 105	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.898			
1146-65-2	Naphthalene-d8	495000	8.186			
15067-26-2	Acenaphthene-d10	277000	9.939			
1517-22-2	Phenanthrene-d10	469000	11.427			
1719-03-5	Chrysene-d12	215000	14.068			
1520-96-3	Perylene-d12	230000	15.562			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168083BS			SDG No.:	Q2075
Lab Sample ID:	PB168083BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142480.D	1	05/20/25 09:45	05/21/25 11:37	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	PB168098BS	SDG No.:	Q2075
Lab Sample ID:	PB168098BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	43.0		0.50	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
83-32-9	Acenaphthene	42.1		0.55	5.00	ug/L
86-73-7	Fluorene	44.1		0.63	5.00	ug/L
85-01-8	Phenanthrene	43.2		0.50	5.00	ug/L
120-12-7	Anthracene	44.5		0.61	5.00	ug/L
206-44-0	Fluoranthene	46.0		0.82	5.00	ug/L
129-00-0	Pyrene	44.5		0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	43.9		0.45	5.00	ug/L
218-01-9	Chrysene	44.1		0.44	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	44.2		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	44.0		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	44.8		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.8		49 - 133	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		52 - 132	76%	SPK: 100
1718-51-0	Terphenyl-d14	77.9		48 - 125	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	7.652			
1146-65-2	Naphthalene-d8	452000	10.422			
15067-26-2	Acenaphthene-d10	283000	14.287			
1517-22-2	Phenanthrene-d10	569000	17.087			
1719-03-5	Chrysene-d12	655000	21.522			
1520-96-3	Perylene-d12	755000	24.821			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168098BS			SDG No.:	Q2075
Lab Sample ID:	PB168098BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	PB168098BSD	SDG No.:	Q2075
Lab Sample ID:	PB168098BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	43.4		0.50	5.00	ug/L
208-96-8	Acenaphthylene	43.6		0.75	5.00	ug/L
83-32-9	Acenaphthene	43.5		0.55	5.00	ug/L
86-73-7	Fluorene	44.9		0.63	5.00	ug/L
85-01-8	Phenanthrene	44.0		0.50	5.00	ug/L
120-12-7	Anthracene	45.1		0.61	5.00	ug/L
206-44-0	Fluoranthene	45.8		0.82	5.00	ug/L
129-00-0	Pyrene	45.6		0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	45.5		0.45	5.00	ug/L
218-01-9	Chrysene	44.4		0.44	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	46.7		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	45.6		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.9		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		52 - 132	77%	SPK: 100
1718-51-0	Terphenyl-d14	81.5		48 - 125	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	7.652			
1146-65-2	Naphthalene-d8	523000	10.416			
15067-26-2	Acenaphthene-d10	339000	14.287			
1517-22-2	Phenanthrene-d10	687000	17.092			
1719-03-5	Chrysene-d12	769000	21.51			
1520-96-3	Perylene-d12	836000	24.786			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168098BSD			SDG No.:	Q2075
Lab Sample ID:	PB168098BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	SS-11MS	SDG No.:	Q2075
Lab Sample ID:	Q2075-04MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142487.D	1	05/20/25 09:45	05/21/25 15:06	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		25.9	190	ug/Kg
208-96-8	Acenaphthylene	1600		33.0	190	ug/Kg
83-32-9	Acenaphthene	1800		24.3	190	ug/Kg
86-73-7	Fluorene	1700		28.9	190	ug/Kg
85-01-8	Phenanthrene	1600		23.9	190	ug/Kg
120-12-7	Anthracene	1700		38.0	190	ug/Kg
206-44-0	Fluoranthene	2200		34.2	190	ug/Kg
129-00-0	Pyrene	1300		41.1	190	ug/Kg
56-55-3	Benzo(a)anthracene	1700		26.3	190	ug/Kg
218-01-9	Chrysene	1600		22.7	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.7	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		33.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		29.3	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	60.4		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		20 - 109	52%	SPK: 100
1718-51-0	Terphenyl-d14	41.5		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54800	6.898			
1146-65-2	Naphthalene-d8	201000	8.181			
15067-26-2	Acenaphthene-d10	114000	9.939			
1517-22-2	Phenanthrene-d10	229000	11.427			
1719-03-5	Chrysene-d12	211000	14.068			
1520-96-3	Perylene-d12	176000	15.563			

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

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:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142487.D	1	05/20/25 09:45	05/21/25 15:06	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142488.D	1	05/20/25 09:45	05/21/25 15:34	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		25.9	190	ug/Kg
208-96-8	Acenaphthylene	1600		33.0	190	ug/Kg
83-32-9	Acenaphthene	1800		24.3	190	ug/Kg
86-73-7	Fluorene	1600		28.9	190	ug/Kg
85-01-8	Phenanthrene	1700		23.9	190	ug/Kg
120-12-7	Anthracene	1700		38.1	190	ug/Kg
206-44-0	Fluoranthene	2300		34.3	190	ug/Kg
129-00-0	Pyrene	1300		41.1	190	ug/Kg
56-55-3	Benzo(a)anthracene	1600		26.3	190	ug/Kg
218-01-9	Chrysene	1600		22.7	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		21.7	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		33.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		29.4	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	59.6		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.4		20 - 109	54%	SPK: 100
1718-51-0	Terphenyl-d14	40.2		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53500	6.898			
1146-65-2	Naphthalene-d8	192000	8.181			
15067-26-2	Acenaphthene-d10	95700	9.939			
1517-22-2	Phenanthrene-d10	179000	11.427			
1719-03-5	Chrysene-d12	174000	14.068			
1520-96-3	Perylene-d12	148000	15.557			

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Fax : 908 789 8922

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:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142488.D	1	05/20/25 09:45	05/21/25 15:34	PB168083

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

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

Instrument ID: BNA_F Calibration Date/Time: 05/21/2025 10:40

Lab File ID: BF142478.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.087		-8.4	
Phenol-d6	1.429	1.358		-5.0	
Nitrobenzene-d5	0.367	0.343		-6.5	
Naphthalene	0.985	0.928		-5.8	
2-Fluorobiphenyl	1.490	1.373		-7.9	
Acenaphthylene	1.936	1.795		-7.3	
Acenaphthene	1.182	1.125		-4.8	20.0
Fluorene	1.314	1.229		-6.5	
2,4,6-Tribromophenol	0.222	0.225		1.4	
Phenanthrene	1.069	0.989		-7.5	
Anthracene	1.091	1.022		-6.3	
Fluoranthene	0.999	0.984		-1.5	20.0
Pyrene	1.866	1.932		3.5	
Terphenyl-d14	1.464	1.466		0.1	
Benzo(a)anthracene	1.336	1.289		-3.5	
Chrysene	1.200	1.116		-7.0	
Benzo(b)fluoranthene	1.184	1.216		2.7	
Benzo(k)fluoranthene	1.109	0.996		-10.2	
Benzo(a)pyrene	1.116	1.061		-4.9	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.409		-6.1	
Dibenzo(a,h)anthracene	1.218	1.156		-5.1	
Benzo(g,h,i)perylene	1.218	1.202		-1.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

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

Instrument ID: BNA_F Calibration Date/Time: 05/22/2025 11:11

Lab File ID: BF142502.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.158		-2.4	
Phenol-d6	1.429	1.379		-3.5	
Nitrobenzene-d5	0.367	0.356		-3.0	
Naphthalene	0.985	0.939		-4.7	
2-Fluorobiphenyl	1.490	1.389		-6.8	
Acenaphthylene	1.936	1.864		-3.7	
Acenaphthene	1.182	1.118		-5.4	20.0
Fluorene	1.314	1.233		-6.2	
2,4,6-Tribromophenol	0.222	0.208		-6.3	
Phenanthrene	1.069	1.009		-5.6	
Anthracene	1.091	1.031		-5.5	
Fluoranthene	0.999	0.878		-12.1	20.0
Pyrene	1.866	1.705		-8.6	
Terphenyl-d14	1.464	1.259		-14.0	
Benzo(a)anthracene	1.336	1.258		-5.8	
Chrysene	1.200	1.136		-5.3	
Benzo(b)fluoranthene	1.184	1.087		-8.2	
Benzo(k)fluoranthene	1.109	1.044		-5.9	
Benzo(a)pyrene	1.116	1.078		-3.4	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.416		-5.7	
Dibenzo(a,h)anthracene	1.218	1.143		-6.2	
Benzo(g,h,i)perylene	1.218	1.144		-6.1	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

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

Instrument ID: BNA_P Calibration Date/Time: 05/21/2025 14:48

Lab File ID: BP024737.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.095		-6.3	
Phenol-d6	1.492	1.334		-10.6	
Nitrobenzene-d5	0.396	0.360		-9.1	
Naphthalene	1.036	1.000		-3.5	
2-Fluorobiphenyl	1.527	1.480		-3.1	
Acenaphthylene	1.886	1.807		-4.2	
Acenaphthene	1.084	1.033		-4.7	20.0
Fluorene	1.410	1.271		-9.9	
2,4,6-Tribromophenol	0.339	0.356		5.0	
Phenanthrene	1.112	1.063		-4.4	
Anthracene	1.119	1.090		-2.6	
Fluoranthene	1.300	1.252		-3.7	20.0
Pyrene	1.198	1.164		-2.8	
Terphenyl-d14	1.166	1.170		0.3	
Benzo(a)anthracene	1.256	1.204		-4.1	
Chrysene	1.190	1.132		-4.9	
Benzo(b)fluoranthene	1.145	1.108		-3.2	
Benzo(k)fluoranthene	1.180	1.122		-4.9	
Benzo(a)pyrene	1.099	1.059		-3.6	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.437		-1.6	
Dibenzo(a,h)anthracene	1.188	1.179		-0.8	
Benzo(g,h,i)perylene	1.181	1.143		-3.2	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

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

Instrument ID: BNA_P Calibration Date/Time: 05/22/2025 10:56

Lab File ID: BP024753.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.135		-2.9	
Phenol-d6	1.492	1.407		-5.7	
Nitrobenzene-d5	0.396	0.368		-7.1	
Naphthalene	1.036	0.988		-4.6	
2-Fluorobiphenyl	1.527	1.502		-1.6	
Acenaphthylene	1.886	1.818		-3.6	
Acenaphthene	1.084	1.055		-2.7	20.0
Fluorene	1.410	1.365		-3.2	
2,4,6-Tribromophenol	0.339	0.364		7.4	
Phenanthrene	1.112	1.056		-5.0	
Anthracene	1.119	1.093		-2.3	
Fluoranthene	1.300	1.270		-2.3	20.0
Pyrene	1.198	1.114		-7.0	
Terphenyl-d14	1.166	1.110		-4.8	
Benzo(a)anthracene	1.256	1.196		-4.8	
Chrysene	1.190	1.132		-4.9	
Benzo(b)fluoranthene	1.145	1.090		-4.8	
Benzo(k)fluoranthene	1.180	1.078		-8.6	
Benzo(a)pyrene	1.099	1.059		-3.6	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.467		0.5	
Dibenzo(a,h)anthracene	1.188	1.197		0.8	
Benzo(g,h,i)perylene	1.181	1.175		-0.5	

All other compounds must meet a minimum RRF of 0.010.