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

LAB CHRONICLE

OrderID:	Q2230	**OrderDate:**	6/4/2025 4:40:00 PM
Client:	CDM Smith	**Project:**	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2230-01	**FB-060425**	**Water**			**06/04/25**			**06/04/25**
			VOCMS Group3	8260-Low			06/10/25	
Q2230-02	**GW-MW01-060425**	**Water**			**06/04/25**			**06/04/25**
			VOCMS Group3	8260-Low			06/10/25	
Q2230-05	**GW-MW901-060425**	**Water**			**06/04/25**			**06/04/25**
			VOCMS Group3	8260-Low			06/10/25	
Q2230-06	**TB060425**	**Water**			**06/04/25**			**06/04/25**
			VOCMS Group3	8260-Low			06/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2230

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**GW-MW01-060425**							
Q2230-02	GW-MW01-060425	Water	Benzene	0.36	J	0.15	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	Toluene	1.60		0.14	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	Ethyl Benzene	3.80		0.13	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	Total Xylenes	36.1		0.36	3.00	ug/L
Q2230-02	GW-MW01-060425	Water	Isopropylbenzene	1.30		0.12	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	n-propylbenzene	2.50		0.13	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	1,3,5-Trimethylbenzene	7.40		0.15	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	1,2,4-Trimethylbenzene	26.0		0.14	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	sec-Butylbenzene	1.00		0.13	1.00	ug/L
Q2230-02	GW-MW01-060425	Water	n-Butylbenzene	1.40		0.15	1.00	ug/L
			Total Voc :	81.5				
			Total Concentration:	81.5				
Client ID:	**GW-MW901-060425**							
Q2230-05	GW-MW901-06042	Water	Benzene	0.32	J	0.15	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	Toluene	1.60		0.14	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	Ethyl Benzene	3.70		0.13	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	Total Xylenes	34.6		0.36	3.00	ug/L
Q2230-05	GW-MW901-06042	Water	Isopropylbenzene	1.20		0.12	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	n-propylbenzene	2.30		0.13	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	1,3,5-Trimethylbenzene	6.80		0.15	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	1,2,4-Trimethylbenzene	24.8		0.14	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	sec-Butylbenzene	0.90	J	0.13	1.00	ug/L
Q2230-05	GW-MW901-06042	Water	n-Butylbenzene	1.20		0.15	1.00	ug/L
			Total Voc :	77.4				
			Total Concentration:	77.4				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	FB-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-01	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
VX046594.D	1		06/10/25 12:09	VX061025

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	49.6		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.7		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110000	5.562			
540-36-3	1,4-Difluorobenzene	215000	6.769			
3114-55-4	Chlorobenzene-d5	221000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	108000	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:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-02	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
VX046602.D	1		06/10/25 14:59	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.36	J	0.15	1.00	ug/L
108-88-3	Toluene	1.60		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	3.80		0.13	1.00	ug/L
1330-20-7	Total Xylenes	36.1		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.30		0.12	1.00	ug/L
103-65-1	n-propylbenzene	2.50		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	7.40		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	26.0		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00		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	1.40		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	54.2		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	5.562			
540-36-3	1,4-Difluorobenzene	225000	6.769			
3114-55-4	Chlorobenzene-d5	232000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW901-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-05	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
VX046601.D	1		06/10/25 14:38	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.32	J	0.15	1.00	ug/L
108-88-3	Toluene	1.60		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	3.70		0.13	1.00	ug/L
1330-20-7	Total Xylenes	34.6		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.20		0.12	1.00	ug/L
103-65-1	n-propylbenzene	2.30		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	6.80		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	24.8		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	0.90	J	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	1.20		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	54.3		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.562			
540-36-3	1,4-Difluorobenzene	225000	6.769			
3114-55-4	Chlorobenzene-d5	232000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	TB060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-06	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
VX046595.D	1		06/10/25 12:30	VX061025

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	50.3		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.5		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	5.568			
540-36-3	1,4-Difluorobenzene	224000	6.769			
3114-55-4	Chlorobenzene-d5	234000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.018			

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MDL = Method Detection Limit
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A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2230

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2230-01	FB-060425	1,2-Dichloroethane-d4	50	49.6	99	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	54.7	109	86	113
		4-Bromofluorobenzene	50	54.0	108	77	121
Q2230-02	GW-MW01-060425	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	54.2	108	86	113
		4-Bromofluorobenzene	50	56.1	112	77	121
Q2230-03MS	GW-MW01-060425MS	1,2-Dichloroethane-d4	50	47.5	95	74	125
		Dibromofluoromethane	50	52.2	104	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	50.9	102	77	121
Q2230-04MSD	GW-MW01-060425MSD	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	51.1	102	77	121
Q2230-05	GW-MW901-060425	1,2-Dichloroethane-d4	50	50.2	100	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	54.3	109	86	113
		4-Bromofluorobenzene	50	55.6	111	77	121
Q2230-06	TB060425	1,2-Dichloroethane-d4	50	50.3	101	74	125
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	54.5	109	86	113
		4-Bromofluorobenzene	50	55.3	111	77	121
VX0610WBL01	VX0610WBL01	1,2-Dichloroethane-d4	50	50.1	100	74	125
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	54.3	109	86	113
		4-Bromofluorobenzene	50	54.8	110	77	121
VX0610WBS01	VX0610WBS01	1,2-Dichloroethane-d4	50	47.4	95	74	125
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	53.1	106	77	121
VX0611WBL02	VX0611WBL02	1,2-Dichloroethane-d4	50	49.7	99	74	125
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	54.3	109	86	113
		4-Bromofluorobenzene	50	55.3	111	77	121
VX0611WBS02	VX0611WBS02	1,2-Dichloroethane-d4	50	44.0	88	74	125
		Dibromofluoromethane	50	47.8	96	75	124
		Toluene-d8	50	47.2	94	86	113
		4-Bromofluorobenzene	50	48.5	97	77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2230

Client: CDM Smith

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**Q2230-03MS**	**Client Sample ID :**	**GW-MW01-060425MS**					**Datafile :**	VX046641.D		
Benzene	50	0.36	58.1	ug/L	115				81	128	
Toluene	50	1.60	62.2	ug/L	121	*			85	115	
Ethyl Benzene	50	3.80	65.8	ug/L	124				81	128	
m/p-Xylenes	100	16.1	150	ug/L	134	*			69	129	
o-Xylene	50	20.0	94.6	ug/L	149	*			75	127	
Isopropylbenzene	50	1.30	62.9	ug/L	123	*			76	121	
N-propylbenzene	50	2.50	63.6	ug/L	122	*			79	116	
1,3,5-Trimethylbenzene	50	7.40	72.5	ug/L	130				40	169	
tert-Butylbenzene	50	0	61.8	ug/L	124	*			80	116	
1,2,4-Trimethylbenzene	50	26.0	100	ug/L	148	*			81	116	
Sec-butylbenzene	50	1.00	60.8	ug/L	120				70	122	
p-Isopropyltoluene	50	0	60.8	ug/L	122				64	124	
n-Butylbenzene	50	1.40	60.9	ug/L	119				53	140	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2230

Client: CDM Smith

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**Q2230-04MSD**	**Client Sample ID :**	**GW-MW01-060425MSD**					**Datafile :**	VX046642.D		
Benzene	50	0.36	50.7	ug/L	101		13		81	128	20
Toluene	50	1.60	54.6	ug/L	106		13		85	115	20
Ethyl Benzene	50	3.80	58.5	ug/L	109		13		81	128	20
m/p-Xylenes	100	16.1	140	ug/L	124		8		69	129	20
o-Xylene	50	20.0	95.5	ug/L	151	*	1		75	127	20
Isopropylbenzene	50	1.30	53.5	ug/L	104		17		76	121	20
N-propylbenzene	50	2.50	55.2	ug/L	105		15		79	116	20
1,3,5-Trimethylbenzene	50	7.40	66.8	ug/L	119		9		40	169	20
tert-Butylbenzene	50	0	52.1	ug/L	104		17		80	116	20
1,2,4-Trimethylbenzene	50	26.0	110	ug/L	168	*	13		81	116	20
Sec-butylbenzene	50	1.00	52.0	ug/L	102		16		70	122	20
p-Isopropyltoluene	50	0	51.8	ug/L	104		16		64	124	20
n-Butylbenzene	50	1.40	53.5	ug/L	104		13		53	140	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2230

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0610WBS01	Benzene	20	21.0	ug/L	105			82	109	
	Toluene	20	21.2	ug/L	106			82	110	
	Ethyl Benzene	20	20.3	ug/L	102			83	109	
	m/p-Xylenes	40	41.6	ug/L	104			82	110	
	o-Xylene	20	21.1	ug/L	106			83	109	
	Isopropylbenzene	20	20.2	ug/L	101			83	112	
	N-propylbenzene	20	20.0	ug/L	100			83	112	
	1,3,5-Trimethylbenzene	20	20.5	ug/L	103			85	112	
	tert-Butylbenzene	20	20.4	ug/L	102			83	112	
	1,2,4-Trimethylbenzene	20	20.8	ug/L	104			85	111	
	Sec-butylbenzene	20	20.5	ug/L	103			81	114	
	p-Isopropyltoluene	20	20.2	ug/L	101			78	116	
	n-Butylbenzene	20	19.9	ug/L	100			75	115	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2230

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046639.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0611WBS02	Benzene	20	19.6	ug/L	98			82	109	
	Toluene	20	20.2	ug/L	101			82	110	
	Ethyl Benzene	20	19.2	ug/L	96			83	109	
	m/p-Xylenes	40	40.1	ug/L	100			82	110	
	o-Xylene	20	20.1	ug/L	101			83	109	
	Isopropylbenzene	20	19.1	ug/L	96			83	112	
	N-propylbenzene	20	18.8	ug/L	94			83	112	
	1,3,5-Trimethylbenzene	20	18.9	ug/L	95			85	112	
	tert-Butylbenzene	20	19.2	ug/L	96			83	112	
	1,2,4-Trimethylbenzene	20	19.2	ug/L	96			85	111	
	Sec-butylbenzene	20	19.3	ug/L	97			81	114	
	p-Isopropyltoluene	20	18.9	ug/L	95			78	116	
	n-Butylbenzene	20	18.3	ug/L	92			75	115	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0610WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046588.D Lab Sample ID: VX0610WBL01

Date Analyzed: 06/10/2025 Time Analyzed: 09:57

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
VX0610WBS01	VX0610WBS01	VX046589.D	06/10/2025
FB-060425	Q2230-01	VX046594.D	06/10/2025
TB060425	Q2230-06	VX046595.D	06/10/2025
GW-MW901-060425	Q2230-05	VX046601.D	06/10/2025
GW-MW01-060425	Q2230-02	VX046602.D	06/10/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0611WBL02

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046637.D Lab Sample ID: VX0611WBL02

Date Analyzed: 06/11/2025 Time Analyzed: 15:14

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
VX0611WBS02	VX0611WBS02	VX046639.D	06/11/2025
GW-MW01-060425MS	Q2230-03MS	VX046641.D	06/11/2025
GW-MW01-060425MSD	Q2230-04MSD	VX046642.D	06/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046516.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

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
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	5 (7.7) 1
176	95.0 - 101.0% of mass 174	62.7 (96.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 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	VX046518.D	06/06/2025	09:42
VSTDICC020	VSTDICC020	VX046519.D	06/06/2025	10:18
VSTDICCC050	VSTDICCC050	VX046520.D	06/06/2025	10:40
VSTDICC100	VSTDICC100	VX046521.D	06/06/2025	11:02
VSTDICC150	VSTDICC150	VX046522.D	06/06/2025	11:25
VSTDICC001	VSTDICC001	VX046524.D	06/06/2025	12:57

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046585.D BFB Injection Date: 06/10/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:36

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	55
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	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	68.4 (97.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046586.D	06/10/2025	09:07
VX0610WBL01	VX0610WBL01	VX046588.D	06/10/2025	09:57
VX0610WBS01	VX0610WBS01	VX046589.D	06/10/2025	10:18
FB-060425	Q2230-01	VX046594.D	06/10/2025	12:09
TB060425	Q2230-06	VX046595.D	06/10/2025	12:30
GW-MW901-060425	Q2230-05	VX046601.D	06/10/2025	14:38
GW-MW01-060425	Q2230-02	VX046602.D	06/10/2025	14:59

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046635.D BFB Injection Date: 06/11/2025

Instrument ID: MSVOA_X BFB Injection Time: 14:01

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
75	30.0 - 60.0% of mass 95	52.7
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	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	66.1
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	63.6 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (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	VX046636.D	06/11/2025	14:46
VX0611WBL02	VX0611WBL02	VX046637.D	06/11/2025	15:14
VX0611WBS02	VX0611WBS02	VX046639.D	06/11/2025	15:58
GW-MW01-060425MS	Q2230-03MS	VX046641.D	06/11/2025	16:47
GW-MW01-060425MSD	Q2230-04MSD	VX046642.D	06/11/2025	17:09

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046586.D Date Analyzed: 06/10/2025

Instrument ID: MSVOA_X Time Analyzed: 09:07

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	90758	5.56	150623	6.76	134767	10.06
UPPER LIMIT	181516	6.056	301246	7.263	269534	10.555
LOWER LIMIT	45379	5.056	75311.5	6.263	67383.5	9.555
EPA SAMPLE NO.						
FB-060425	109731	5.56	215111	6.77	220551	10.06
GW-MW01-060425	112673	5.56	225413	6.77	232357	10.06
GW-MW901-060425	112231	5.56	225068	6.77	232456	10.06
TB060425	114604	5.57	224360	6.77	234275	10.06
VX0610WBL01	106110	5.56	211553	6.77	217338	10.06
VX0610WBS01	84052	5.56	143506	6.77	131426	10.06

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.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046586.D Date Analyzed: 06/10/2025

Instrument ID: MSVOA_X Time Analyzed: 09:07

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

	IS4 AREA #	RT #				
12 HOUR STD	66941	12.018				
UPPER LIMIT	133882	12.518				
LOWER LIMIT	33470.5	11.518				
EPA SAMPLE NO.						
FB-060425	108439	12.02				
GW-MW01-060425	117788	12.02				
GW-MW901-060425	116598	12.02				
TB060425	115739	12.02				
VX0610WBL01	104374	12.02				
VX0610WBS01	68222	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.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046636.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_X Time Analyzed: 14:46

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	77468	5.56	133266	6.76	119186	10.06
UPPER LIMIT	154936	6.062	266532	7.263	238372	10.555
LOWER LIMIT	38734	5.062	66633	6.263	59593	9.555
EPA SAMPLE NO.						
GW-MW01-060425MS	80829	5.57	141022	6.77	125449	10.06
GW-MW01-060425MSD	63422	5.57	110741	6.78	101042	10.06
VX0611WBL02	73470	5.56	147517	6.77	153084	10.06
VX0611WBS02	79398	5.57	136732	6.78	125565	10.06

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.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: VX046636.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_X Time Analyzed: 14:46

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

	IS4 AREA #	RT #				
12 HOUR STD	60295	12.018				
UPPER LIMIT	120590	12.518				
LOWER LIMIT	30147.5	11.518				
EPA SAMPLE NO.						
GW-MW01-060425MS	63001	12.02				
GW-MW01-060425MSD	50864	12.02				
VX0611WBL02	77047	12.02				
VX0611WBS02	66542	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.

QC SAMPLE DATA

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:	VX0610WBL01	SDG No.:	Q2230
Lab Sample ID:	VX0610WBL01	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
VX046588.D	1		06/10/25 09:57	VX061025

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	50.1		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	54.3		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.562			
540-36-3	1,4-Difluorobenzene	212000	6.769			
3114-55-4	Chlorobenzene-d5	217000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	104000	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:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0611WBL02	SDG No.:	Q2230
Lab Sample ID:	VX0611WBL02	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
VX046637.D	1		06/11/25 15:14	VX061125

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	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.3		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	73500	5.556			
540-36-3	1,4-Difluorobenzene	148000	6.769			
3114-55-4	Chlorobenzene-d5	153000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	77000	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:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0610WBS01	SDG No.:	Q2230
Lab Sample ID:	VX0610WBS01	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
VX046589.D	1		06/10/25 10:18	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.0		0.15	1.00	ug/L
108-88-3	Toluene	21.2		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.13	1.00	ug/L
1330-20-7	Total Xylenes	62.7		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	1.00	ug/L
103-65-1	n-propylbenzene	20.0		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.5		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	20.4		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.8		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	20.5		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.2		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	19.9		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.4		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84100	5.562			
540-36-3	1,4-Difluorobenzene	144000	6.769			
3114-55-4	Chlorobenzene-d5	131000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68200	12.018			

U = Not Detected
LOQ = Limit of Quantitation
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N = Presumptive Evidence of a Compound
* = 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:	VX0611WBS02	SDG No.:	Q2230
Lab Sample ID:	VX0611WBS02	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
VX046639.D	1		06/11/25 15:58	VX061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.6		0.15	1.00	ug/L
108-88-3	Toluene	20.2		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	1.00	ug/L
1330-20-7	Total Xylenes	60.2		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.12	1.00	ug/L
103-65-1	n-propylbenzene	18.8		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.9		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	19.2		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.2		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	19.3		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	18.9		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	18.3		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.0		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	47.2		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79400	5.568			
540-36-3	1,4-Difluorobenzene	137000	6.775			
3114-55-4	Chlorobenzene-d5	126000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	66500	12.018			

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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2230
Lab Sample ID:	Q2230-03MS	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
VX046641.D	1		06/11/25 16:47	VX061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	58.1		0.15	1.00	ug/L
108-88-3	Toluene	62.2		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	65.8		0.13	1.00	ug/L
1330-20-7	Total Xylenes	245		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	62.9		0.12	1.00	ug/L
103-65-1	n-propylbenzene	63.6		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	72.5		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	61.8		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	100		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	60.8		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	60.8		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	60.9		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	80800	5.568			
540-36-3	1,4-Difluorobenzene	141000	6.769			
3114-55-4	Chlorobenzene-d5	125000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	63000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2230
Lab Sample ID:	Q2230-04MSD	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
VX046642.D	1		06/11/25 17:09	VX061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	50.7		0.15	1.00	ug/L
108-88-3	Toluene	54.6		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	58.5		0.13	1.00	ug/L
1330-20-7	Total Xylenes	236		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	53.5		0.12	1.00	ug/L
103-65-1	n-propylbenzene	55.2		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	66.8		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	52.1		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	110		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	52.0		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	51.8		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	53.5		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63400	5.568			
540-36-3	1,4-Difluorobenzene	111000	6.775			
3114-55-4	Chlorobenzene-d5	101000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.018			

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

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

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG No.: Q2230

Instrument ID: MSVOA_X Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:57

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

LAB FILE ID: RRF005 = VX046518.D RRF020 = VX046519.D RRF050 = VX046520.D
RRF100 = VX046521.D RRF150 = VX046522.D RRF001 = VX046524.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Benzene	1.597	1.503	1.427	1.380	1.442	1.522	1.479	5.3
Toluene	0.980	0.911	0.884	0.849	0.888	0.938	0.908	5
Ethyl Benzene	2.093	2.029	2.018	1.971	2.041	2.166	2.053	3.3
m/p-Xylenes	0.756	0.750	0.737	0.714	0.738	0.773	0.745	2.7
o-Xylene	0.728	0.731	0.716	0.703	0.724	0.719	0.720	1.4
Isopropylbenzene	3.936	3.949	3.909	3.828	4.064	3.896	3.930	2
n-propylbenzene	4.659	4.775	4.693	4.553	4.813	5.051	4.757	3.6
1,3,5-Trimethylbenzene	3.329	3.297	3.243	3.147	3.314	3.322	3.275	2.1
tert-Butylbenzene	3.341	3.364	3.287	3.248	3.482	3.284	3.334	2.5
1,2,4-Trimethylbenzene	3.309	3.360	3.256	3.194	3.356	3.406	3.313	2.3
sec-Butylbenzene	4.350	4.296	4.172	4.096	4.334	4.458	4.284	3
p-Isopropyltoluene	3.509	3.554	3.484	3.397	3.575	3.910	3.572	5
n-Butylbenzene	3.319	3.378	3.354	3.310	3.487	4.197	3.507	9.8
1,2-Dichloroethane-d4	0.997	0.848	0.873	0.828	0.900		0.890	7.4
Dibromofluoromethane	0.392	0.353	0.368	0.347	0.379		0.368	5
Toluene-d8	1.362	1.159	1.188	1.132	1.220		1.212	7.4
4-Bromofluorobenzene	0.564	0.482	0.493	0.468	0.501		0.502	7.4

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG No.: Q2230

Instrument ID: MSVOA_X Calibration Date/Time: 06/10/2025 09:07

Lab File ID: VX046586.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.479	1.615		9.19	20
Toluene	0.908	0.992		9.25	20
Ethyl Benzene	2.053	2.179		6.14	20
m/p-Xylenes	0.745	0.802		7.65	20
o-Xylene	0.720	0.775		7.64	20
Isopropylbenzene	3.930	4.253		8.22	20
n-propylbenzene	4.757	5.071		6.6	20
1,3,5-Trimethylbenzene	3.275	3.526		7.66	20
tert-Butylbenzene	3.334	3.617		8.49	20
1,2,4-Trimethylbenzene	3.313	3.499		5.61	20
sec-Butylbenzene	4.284	4.548		6.16	20
p-Isopropyltoluene	3.572	3.774		5.66	20
n-Butylbenzene	3.507	3.673		4.73	20
1,2-Dichloroethane-d4	0.890	0.757		-14.94	20
Dibromofluoromethane	0.368	0.360		-2.17	20
Toluene-d8	1.212	1.152		-4.95	20
4-Bromofluorobenzene	0.502	0.468		-6.77	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.: Q2230 SAS No.: Q2230 SDG No.: Q2230

Instrument ID: MSVOA_X Calibration Date/Time: 06/11/2025 14:46

Lab File ID: VX046636.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.479	1.534		3.72	20
Toluene	0.908	0.958		5.51	20
Ethyl Benzene	2.053	2.124		3.46	20
m/p-Xylenes	0.745	0.792		6.31	20
o-Xylene	0.720	0.786		9.17	20
Isopropylbenzene	3.930	4.163		5.93	20
n-propylbenzene	4.757	4.937		3.78	20
1,3,5-Trimethylbenzene	3.275	3.443		5.13	20
tert-Butylbenzene	3.334	3.554		6.6	20
1,2,4-Trimethylbenzene	3.313	3.476		4.92	20
sec-Butylbenzene	4.284	4.505		5.16	20
p-Isopropyltoluene	3.572	3.722		4.2	20
n-Butylbenzene	3.507	3.559		1.48	20
1,2-Dichloroethane-d4	0.890	0.830		-6.74	20
Dibromofluoromethane	0.368	0.382		3.8	20
Toluene-d8	1.212	1.219		0.58	20
4-Bromofluorobenzene	0.502	0.503		0.2	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:	Q2230	**OrderDate:**	6/4/2025 4:40:00 PM
Client:	CDM Smith	**Project:**	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2230-01	**FB-060425**	**Water**			**06/04/25**			**06/04/25**
			SVOCMS Group3	8270E		06/06/25	06/09/25	
Q2230-02	**GW-MW01-060425**	**Water**			**06/04/25**			**06/04/25**
			SVOCMS Group3	8270E		06/06/25	06/09/25	
Q2230-05	**GW-MW901-060425**	**Water**			**06/04/25**			**06/04/25**
			SVOCMS Group3	8270E		06/06/25	06/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2230

Client: CDM Smith

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**GW-MW01-060425**							
Q2230-02	GW-MW01-060425	WATER	Naphthalene	2.200	J	0.55	5.5	ug/L
			Total Svoc :	**2.20**				
			Total Concentration:	**2.20**				

SAMPLE DATA

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

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	FB-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	880 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024876.D	1	06/06/25 08:35	06/09/25 14:12	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.70	U	0.57	5.70	ug/L
208-96-8	Acenaphthylene	5.70	U	0.85	5.70	ug/L
83-32-9	Acenaphthene	5.70	U	0.63	5.70	ug/L
86-73-7	Fluorene	5.70	U	0.72	5.70	ug/L
85-01-8	Phenanthrene	5.70	U	0.57	5.70	ug/L
120-12-7	Anthracene	5.70	U	0.69	5.70	ug/L
206-44-0	Fluoranthene	5.70	U	0.93	5.70	ug/L
129-00-0	Pyrene	5.70	U	0.57	5.70	ug/L
56-55-3	Benzo(a)anthracene	5.70	U	0.51	5.70	ug/L
218-01-9	Chrysene	5.70	U	0.50	5.70	ug/L
205-99-2	Benzo(b)fluoranthene	5.70	U	0.56	5.70	ug/L
207-08-9	Benzo(k)fluoranthene	5.70	U	0.55	5.70	ug/L
50-32-8	Benzo(a)pyrene	5.70	U	0.63	5.70	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.70	U	0.67	5.70	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.70	U	0.76	5.70	ug/L
191-24-2	Benzo(g,h,i)perylene	5.70	U	0.78	5.70	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.2		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		52 - 132	85%	SPK: 100
1718-51-0	Terphenyl-d14	86.2		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	249000	7.608			
1146-65-2	Naphthalene-d8	993000	10.378			
15067-26-2	Acenaphthene-d10	628000	14.248			
1517-22-2	Phenanthrene-d10	1280000	17.06			
1719-03-5	Chrysene-d12	1630000	21.477			
1520-96-3	Perylene-d12	2010000	24.73			

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Report of Analysis

Client:	CDM Smith			Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	06/04/25
Client Sample ID:	FB-060425			SDG No.:	Q2230
Lab Sample ID:	Q2230-01			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	880	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024876.D	1	06/06/25 08:35	06/09/25 14:12	PB168323

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	910 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024877.D	1	06/06/25 08:35	06/09/25 14:52	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	2.20	J	0.55	5.50	ug/L
208-96-8	Acenaphthylene	5.50	U	0.82	5.50	ug/L
83-32-9	Acenaphthene	5.50	U	0.60	5.50	ug/L
86-73-7	Fluorene	5.50	U	0.69	5.50	ug/L
85-01-8	Phenanthrene	5.50	U	0.55	5.50	ug/L
120-12-7	Anthracene	5.50	U	0.67	5.50	ug/L
206-44-0	Fluoranthene	5.50	U	0.90	5.50	ug/L
129-00-0	Pyrene	5.50	U	0.55	5.50	ug/L
56-55-3	Benzo(a)anthracene	5.50	U	0.49	5.50	ug/L
218-01-9	Chrysene	5.50	U	0.48	5.50	ug/L
205-99-2	Benzo(b)fluoranthene	5.50	U	0.54	5.50	ug/L
207-08-9	Benzo(k)fluoranthene	5.50	U	0.53	5.50	ug/L
50-32-8	Benzo(a)pyrene	5.50	U	0.60	5.50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.50	U	0.65	5.50	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.50	U	0.74	5.50	ug/L
191-24-2	Benzo(g,h,i)perylene	5.50	U	0.76	5.50	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	93.0		67 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		52 - 132	86%	SPK: 100
1718-51-0	Terphenyl-d14	78.5		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	193000	7.608			
1146-65-2	Naphthalene-d8	768000	10.372			
15067-26-2	Acenaphthene-d10	480000	14.243			
1517-22-2	Phenanthrene-d10	943000	17.042			
1719-03-5	Chrysene-d12	1240000	21.472			
1520-96-3	Perylene-d12	1720000	24.713			

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Report of Analysis

Client:	CDM Smith			Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425			SDG No.:	Q2230
Lab Sample ID:	Q2230-02			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	910	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024877.D	1	06/06/25 08:35	06/09/25 14:52	PB168323

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:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW901-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024881.D	1	06/06/25 08:35	06/09/25 17:35	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.10	U	0.51	5.10	ug/L
208-96-8	Acenaphthylene	5.10	U	0.77	5.10	ug/L
83-32-9	Acenaphthene	5.10	U	0.56	5.10	ug/L
86-73-7	Fluorene	5.10	U	0.64	5.10	ug/L
85-01-8	Phenanthrene	5.10	U	0.51	5.10	ug/L
120-12-7	Anthracene	5.10	U	0.62	5.10	ug/L
206-44-0	Fluoranthene	5.10	U	0.84	5.10	ug/L
129-00-0	Pyrene	5.10	U	0.51	5.10	ug/L
56-55-3	Benzo(a)anthracene	5.10	U	0.46	5.10	ug/L
218-01-9	Chrysene	5.10	U	0.45	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	5.10	U	0.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	5.10	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	5.10	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.10	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	5.10	U	0.70	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	85.9		67 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.4		52 - 132	81%	SPK: 100
1718-51-0	Terphenyl-d14	82.1		42 - 152	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.607			
1146-65-2	Naphthalene-d8	1070000	10.372			
15067-26-2	Acenaphthene-d10	664000	14.248			
1517-22-2	Phenanthrene-d10	1330000	17.054			
1719-03-5	Chrysene-d12	1570000	21.477			
1520-96-3	Perylene-d12	1840000	24.724			

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW901-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024881.D	1	06/06/25 08:35	06/09/25 17:35	PB168323

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.: Q2230

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168323BL	PB168323BL	Nitrobenzene-d5	100	85.2	85		67	132
		2-Fluorobiphenyl	100	84.3	84		52	132
		Terphenyl-d14	100	90.1	90		42	152
PB168323BS	PB168323BS	Nitrobenzene-d5	100	79.4	79		67	132
		2-Fluorobiphenyl	100	77.9	78		52	132
		Terphenyl-d14	100	79.2	79		42	152
Q2230-01	FB-060425	Nitrobenzene-d5	100	91.2	91		67	132
		2-Fluorobiphenyl	100	85.1	85		52	132
		Terphenyl-d14	100	86.2	86		42	152
Q2230-02	GW-MW01-060425	Nitrobenzene-d5	100	93.0	93		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		Terphenyl-d14	100	78.5	79		42	152
Q2230-03MS	GW-MW01-060425MS	Nitrobenzene-d5	100	90.5	91		67	132
		2-Fluorobiphenyl	100	85.6	86		52	132
		Terphenyl-d14	100	80.4	80		42	152
Q2230-04MSD	GW-MW01-060425MSD	Nitrobenzene-d5	100	88.0	88		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		Terphenyl-d14	100	89.3	89		42	152
Q2230-05	GW-MW901-060425	Nitrobenzene-d5	100	85.9	86		67	132
		2-Fluorobiphenyl	100	81.4	81		52	132
		Terphenyl-d14	100	82.1	82		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2230 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP024879.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2230-03MS		**Client Sample ID: GW-MW01-060425MS**									
Naphthalene	52.1	2.20	42.7	ug/L	78				17	157	
Acenaphthylene	52.1	0	50.7	ug/L	97				40	141	
Acenaphthene	52.1	0	52.1	ug/L	100				37	146	
Fluorene	52.1	0	53.8	ug/L	103				39	144	
Phenanthrene	52.1	0	53.7	ug/L	103				40	147	
Anthracene	52.1	0	53.8	ug/L	103				41	146	
Fluoranthene	52.1	0	57.7	ug/L	111				42	146	
Pyrene	52.1	0	51.4	ug/L	99				41	149	
Benzo(a)anthracene	52.1	0	54.6	ug/L	105				41	147	
Chrysene	52.1	0	53.4	ug/L	102				44	144	
Benzo(b)fluoranthene	52.1	0	56.2	ug/L	108				40	150	
Benzo(k)fluoranthene	52.1	0	53.1	ug/L	102				40	147	
Benzo(a)pyrene	52.1	0	54.1	ug/L	104				42	147	
Indeno(1,2,3-cd)pyrene	52.1	0	56.3	ug/L	108				30	166	
Dibenz(a,h)anthracene	52.1	0	57.5	ug/L	110				23	172	
Benzo(g,h,i)perylene	52.1	0	56.4	ug/L	108				27	167	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2230 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP024880.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2230-04MSD		**Client Sample ID: GW-MW01-060425MSD**									
Naphthalene	53.2	2.20	42.1	ug/L	75	4			17	157	20
Acenaphthylene	53.2	0	51.1	ug/L	96	1			40	141	20
Acenaphthene	53.2	0	52.7	ug/L	99	1			37	146	20
Fluorene	53.2	0	53.9	ug/L	101	2			39	144	20
Phenanthrene	53.2	0	53.6	ug/L	101	2			40	147	20
Anthracene	53.2	0	53.0	ug/L	100	3			41	146	20
Fluoranthene	53.2	0	54.9	ug/L	103	7			42	146	20
Pyrene	53.2	0	56.8	ug/L	107	8			41	149	20
Benzo(a)anthracene	53.2	0	55.1	ug/L	104	1			41	147	20
Chrysene	53.2	0	54.7	ug/L	103	1			44	144	20
Benzo(b)fluoranthene	53.2	0	56.0	ug/L	105	3			40	150	20
Benzo(k)fluoranthene	53.2	0	55.1	ug/L	104	2			40	147	20
Benzo(a)pyrene	53.2	0	54.8	ug/L	103	1			42	147	20
Indeno(1,2,3-cd)pyrene	53.2	0	55.3	ug/L	104	4			30	166	20
Dibenz(a,h)anthracene	53.2	0	55.8	ug/L	105	5			23	172	20
Benzo(g,h,i)perylene	53.2	0	54.4	ug/L	102	6			27	167	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2230 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BP024873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168323BS	Naphthalene	50	45.3	ug/L	91				64	107	
	Acenaphthylene	50	45.5	ug/L	91				79	103	
	Acenaphthene	50	45.2	ug/L	90				59	113	
	Fluorene	50	44.7	ug/L	89				64	107	
	Phenanthrene	50	45.8	ug/L	92				62	109	
	Anthracene	50	46.0	ug/L	92				65	110	
	Fluoranthene	50	45.9	ug/L	92				64	110	
	Pyrene	50	46.2	ug/L	92				71	103	
	Benzo(a)anthracene	50	46.6	ug/L	93				62	107	
	Chrysene	50	46.4	ug/L	93				61	108	
	Benzo(b)fluoranthene	50	47.3	ug/L	95				77	113	
	Benzo(k)fluoranthene	50	47.5	ug/L	95				77	105	
	Benzo(a)pyrene	50	47.7	ug/L	95				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.4	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	47.6	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	47.6	ug/L	95				75	118	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168323BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: BP024872.D Lab Sample ID: PB168323BL

Instrument ID: BNA_P Date Extracted: 06/06/2025

Matrix: (soil/water) Water Date Analyzed: 06/09/2025

Level: (low/med) LOW Time Analyzed: 11:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168323BS	PB168323BS	BP024873.D	06/09/2025
FB-060425	Q2230-01	BP024876.D	06/09/2025
GW-MW01-060425	Q2230-02	BP024877.D	06/09/2025
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025
GW-MW901-060425	Q2230-05	BP024881.D	06/09/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
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	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.1 (19.2) 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	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: BP024870.D DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.1
197	Less than 2.0% of mass 198	0.1
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	30.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	75.5
443	15.0 - 24.0% of mass 442	14.5 (19.2) 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	BP024871.D	06/09/2025	10:44
PB168323BL	PB168323BL	BP024872.D	06/09/2025	11:24
PB168323BS	PB168323BS	BP024873.D	06/09/2025	12:05
FB-060425	Q2230-01	BP024876.D	06/09/2025	14:12
GW-MW01-060425	Q2230-02	BP024877.D	06/09/2025	14:52
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025	16:14
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025	16:55
GW-MW901-060425	Q2230-05	BP024881.D	06/09/2025	17:35

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

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	255229	7.608	1115940	10.38	722087	14.24
	UPPER LIMIT	510458	8.108	2231880	10.878	1444170	14.742
	LOWER LIMIT	127615	7.108	557970	9.878	361044	13.742
	EPA SAMPLE NO.						
01	PB168323BL	278652	7.61	1083870	10.38	655689	14.25
02	PB168323BS	251786	7.61	1016040	10.38	628283	14.25
03	FB-060425	249050	7.61	993192	10.38	627635	14.25
04	GW-MW01-060425	193111	7.61	768427	10.37	479578	14.24
05	GW-MW01-060425MS	226271	7.61	937705	10.37	608220	14.25
06	GW-MW01-060425MSD	335961	7.61	1346860	10.38	841053	14.25
07	GW-MW901-060425	269752	7.61	1068630	10.37	664052	14.25

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.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

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	1406330	17.048	1456980	21.477	1778910	24.724
	UPPER LIMIT	2812660	17.548	2913960	21.977	3557820	25.224
	LOWER LIMIT	703165	16.548	728490	20.977	889455	24.224
	EPA SAMPLE NO.						
01	PB168323BL	1268480	17.07	1277130	21.49	1472670	24.73
02	PB168323BS	1189380	17.06	1268870	21.48	1547950	24.72
03	FB-060425	1279520	17.06	1631190	21.48	2005170	24.73
04	GW-MW01-060425	943300	17.04	1244700	21.47	1717480	24.71
05	GW-MW01-060425MS	1235200	17.04	1490400	21.47	1839740	24.71
06	GW-MW01-060425MSD	1657670	17.04	1681540	21.48	1927040	24.73
07	GW-MW901-060425	1331030	17.05	1566440	21.48	1838040	24.72

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:	PB168323BL	SDG No.:	Q2230
Lab Sample ID:	PB168323BL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

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	85.2		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		52 - 132	84%	SPK: 100
1718-51-0	Terphenyl-d14	90.1		42 - 152	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.608			
1146-65-2	Naphthalene-d8	1080000	10.378			
15067-26-2	Acenaphthene-d10	656000	14.248			
1517-22-2	Phenanthrene-d10	1270000	17.066			
1719-03-5	Chrysene-d12	1280000	21.489			
1520-96-3	Perylene-d12	1470000	24.73			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168323BL			SDG No.:	Q2230
Lab Sample ID:	PB168323BL			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

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:	PB168323BS	SDG No.:	Q2230
Lab Sample ID:	PB168323BS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	45.3		0.50	5.00	ug/L
208-96-8	Acenaphthylene	45.5		0.75	5.00	ug/L
83-32-9	Acenaphthene	45.2		0.55	5.00	ug/L
86-73-7	Fluorene	44.7		0.63	5.00	ug/L
85-01-8	Phenanthrene	45.8		0.50	5.00	ug/L
120-12-7	Anthracene	46.0		0.61	5.00	ug/L
206-44-0	Fluoranthene	45.9		0.82	5.00	ug/L
129-00-0	Pyrene	46.2		0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	46.6		0.45	5.00	ug/L
218-01-9	Chrysene	46.4		0.44	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	47.3		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	47.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.6		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.6		0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	79.4		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		52 - 132	78%	SPK: 100
1718-51-0	Terphenyl-d14	79.2		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.608			
1146-65-2	Naphthalene-d8	1020000	10.378			
15067-26-2	Acenaphthene-d10	628000	14.248			
1517-22-2	Phenanthrene-d10	1190000	17.06			
1719-03-5	Chrysene-d12	1270000	21.483			
1520-96-3	Perylene-d12	1550000	24.724			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168323BS			SDG No.:	Q2230
Lab Sample ID:	PB168323BS			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

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:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2230
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	42.7		0.52	5.20	ug/L
208-96-8	Acenaphthylene	50.7		0.78	5.20	ug/L
83-32-9	Acenaphthene	52.1		0.57	5.20	ug/L
86-73-7	Fluorene	53.8		0.66	5.20	ug/L
85-01-8	Phenanthrene	53.7		0.52	5.20	ug/L
120-12-7	Anthracene	53.8		0.64	5.20	ug/L
206-44-0	Fluoranthene	57.7		0.85	5.20	ug/L
129-00-0	Pyrene	51.4		0.52	5.20	ug/L
56-55-3	Benzo(a)anthracene	54.6		0.47	5.20	ug/L
218-01-9	Chrysene	53.4		0.46	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	56.2		0.51	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	53.1		0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	54.1		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	56.3		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	57.5		0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	56.4		0.72	5.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	90.5		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		52 - 132	86%	SPK: 100
1718-51-0	Terphenyl-d14	80.4		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226000	7.608			
1146-65-2	Naphthalene-d8	938000	10.372			
15067-26-2	Acenaphthene-d10	608000	14.248			
1517-22-2	Phenanthrene-d10	1240000	17.042			
1719-03-5	Chrysene-d12	1490000	21.471			
1520-96-3	Perylene-d12	1840000	24.713			

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Report of Analysis

Client:	CDM Smith			Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS			SDG No.:	Q2230
Lab Sample ID:	Q2230-03MS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	960	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

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:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2230
Lab Sample ID:	Q2230-04MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	42.1		0.53	5.30	ug/L
208-96-8	Acenaphthylene	51.1		0.80	5.30	ug/L
83-32-9	Acenaphthene	52.7		0.59	5.30	ug/L
86-73-7	Fluorene	53.9		0.67	5.30	ug/L
85-01-8	Phenanthrene	53.6		0.53	5.30	ug/L
120-12-7	Anthracene	53.0		0.65	5.30	ug/L
206-44-0	Fluoranthene	54.9		0.87	5.30	ug/L
129-00-0	Pyrene	56.8		0.53	5.30	ug/L
56-55-3	Benzo(a)anthracene	55.1		0.48	5.30	ug/L
218-01-9	Chrysene	54.7		0.47	5.30	ug/L
205-99-2	Benzo(b)fluoranthene	56.0		0.52	5.30	ug/L
207-08-9	Benzo(k)fluoranthene	55.1		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	54.8		0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.3		0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.8		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	54.4		0.73	5.30	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	88.0		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		52 - 132	86%	SPK: 100
1718-51-0	Terphenyl-d14	89.3		42 - 152	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	336000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	841000	14.248			
1517-22-2	Phenanthrene-d10	1660000	17.042			
1719-03-5	Chrysene-d12	1680000	21.477			
1520-96-3	Perylene-d12	1930000	24.73			

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Report of Analysis

Client:	CDM Smith			Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD			SDG No.:	Q2230
Lab Sample ID:	Q2230-04MSD			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

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 MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3)		Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4)		n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5)	S	2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6)		Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7)	S	Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8)		2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9)		Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10)	C	Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11)		bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12)		1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13)	C	1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14)		1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15)		Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16)		2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17)		2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18)		Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19)	P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)		3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23)	S	Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24)		Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25)		Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26)	C	2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27)		2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28)		bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29)	C	2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30)		1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31)		Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32)		Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33)		4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34)	C	Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35)		Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36)	C	4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37)		2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38)		1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31
41)	P	Hexachlorocycl...		0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74
42)	S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26
43)	C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86
44)		2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44
45)	S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44
46)		1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05
47)		2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16
48)		2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59
49)		Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19
50)		Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45
51)		2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86
52)	C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86
53)		3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74
54)	P	2,4-Dinitrophenol		0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23
55)		Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22
56)	P	4-Nitrophenol		0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62
57)		2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45
58)		Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77
59)		2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04
60)		Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27
61)		4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06
62)		4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69
63)		Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78
66)	c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68
67)		4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83
68)		Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31
69)		Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16
70)	C	Pentachlorophenol		0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21
71)		Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12
72)		Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58
73)		Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83
74)		Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81
75)	C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54
78)		Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41
79)	S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57
80)		Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74
81)		Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73
82)		3,3'-Dichlorob...		0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29
83)		Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13
84)		Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87
85)	c	Di-n-octyl pht...		1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)		Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)		Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90)	C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)		Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)		Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = 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.: Q2230 SAS No.: Q2230 SDG No.: Q2230

Instrument ID: BNA_P Calibration Date/Time: 06/09/2025 10:44

Lab File ID: BP024871.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.175		-1.9	
Phenol-d6	1.585	1.601		1.0	
Nitrobenzene-d5	0.412	0.405		-1.7	
Naphthalene	1.025	0.984		-4.0	
2-Fluorobiphenyl	1.485	1.394		-6.1	
Acenaphthylene	1.863	1.770		-5.0	
Acenaphthene	1.067	1.029		-3.6	20.0
Fluorene	1.384	1.326		-4.2	
2,4,6-Tribromophenol	0.277	0.273		-1.4	
Phenanthrene	1.105	1.056		-4.4	
Anthracene	1.119	1.067		-4.6	
Fluoranthene	1.281	1.200		-6.3	20.0
Pyrene	1.249	1.182		-5.4	
Terphenyl-d14	1.116	1.046		-6.3	
Benzo(a)anthracene	1.279	1.229		-3.9	
Chrysene	1.212	1.154		-4.8	
Benzo(b)fluoranthene	1.145	1.096		-4.3	
Benzo(k)fluoranthene	1.165	1.086		-6.8	
Benzo(a)pyrene	1.118	1.057		-5.5	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.436		-1.6	
Dibenzo(a,h)anthracene	1.188	1.170		-1.5	
Benzo(g,h,i)perylene	1.179	1.158		-1.8	

All other compounds must meet a minimum RRF of 0.010.