

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	SVOCMS Group3	8270E	06/04/25	06/06/25	06/09/25	06/04/25
Q2230-02	GW-MW01-060425	Water	SVOCMS Group3	8270E	06/04/25	06/06/25	06/09/25	06/04/25
Q2230-05	GW-MW901-060425	Water	SVOCMS Group3	8270E	06/04/25	06/06/25	06/09/25	06/04/25



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

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

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			

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
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :		Final Vol:	1000
		Test:	SVOCMS Group3
		Level :	LOW
		GPC Cleanup :	N
		PH :	

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
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	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		

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
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A = Aldol-Condensation Reaction Products

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			

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
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A = Aldol-Condensation Reaction Products



QC SUMMARY

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	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

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	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	

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	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

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	Limits		RPD
								Qual	Low	High	
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	

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: _____

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

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

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.

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

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			

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
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	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		

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
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	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		

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
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	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		

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
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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

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 =BP024867.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

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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

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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

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.