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

LAB CHRONICLE

OrderID:	Q2267	**OrderDate:**	6/6/2025 2:17:00 PM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2267-01	**WC-20250605**	**TCLP**			**06/05/25**			**06/06/25**
			TCLP BNA	8270E		06/11/25	06/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2267

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/11/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/11/25
Client Sample ID:	PB168390TB	SDG No.:	Q2267
Lab Sample ID:	PB168390TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050296.D	1	06/11/25 12:20	06/12/25 05:50	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	151		23 - 138	101%	SPK: 150
13127-88-3	Phenol-d6	141		10 - 134	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.9		67 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.9		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	87.9		42 - 152	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	381000	7.763			
1146-65-2	Naphthalene-d8	1410000	10.545			
15067-26-2	Acenaphthene-d10	769000	14.392			
1517-22-2	Phenanthrene-d10	1430000	17.127			
1719-03-5	Chrysene-d12	1460000	21.356			
1520-96-3	Perylene-d12	1560000	24.327			

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	06/11/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	06/11/25
Client Sample ID:	PB168390TB			SDG No.:	Q2267
Lab Sample ID:	PB168390TB			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050296.D	1	06/11/25 12:20	06/12/25 05:50	PB168422

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:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	WC-20250605	SDG No.:	Q2267
Lab Sample ID:	Q2267-01	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050284.D	1	06/11/25 12:20	06/11/25 21:21	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		23 - 138	94%	SPK: 150
13127-88-3	Phenol-d6	121		10 - 134	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.7		67 - 132	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.8		52 - 132	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		44 - 137	104%	SPK: 150
1718-51-0	Terphenyl-d14	68.5		42 - 152	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	342000	7.763			
1146-65-2	Naphthalene-d8	1300000	10.551			
15067-26-2	Acenaphthene-d10	724000	14.392			
1517-22-2	Phenanthrene-d10	1410000	17.133			
1719-03-5	Chrysene-d12	1480000	21.356			
1520-96-3	Perylene-d12	829000	24.333			

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	WC-20250605	SDG No.:	Q2267
Lab Sample ID:	Q2267-01	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050284.D	1	06/11/25 12:20	06/11/25 21:21	PB168422

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.: Q2267

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168390TB	PB168390TB	2-Fluorophenol	150	151	101		23	138
		Phenol-d6	150	141	94		10	134
		Nitrobenzene-d5	100	92.9	93		67	132
		2-Fluorobiphenyl	100	88.9	89		52	132
		2,4,6-Tribromophenol	150	142	95		44	137
		Terphenyl-d14	100	87.9	88		42	152
PB168422BL	PB168422BL	2-Fluorophenol	150	156	104		23	138
		Phenol-d6	150	143	95		10	134
		Nitrobenzene-d5	100	94.3	94		67	132
		2-Fluorobiphenyl	100	96.0	96		52	132
		2,4,6-Tribromophenol	150	155	103		44	137
		Terphenyl-d14	100	93.3	93		42	152
PB168422BS	PB168422BS	2-Fluorophenol	150	135	90		23	138
		Phenol-d6	150	127	85		10	134
		Nitrobenzene-d5	100	81.9	82		67	132
		2-Fluorobiphenyl	100	78.8	79		52	132
		2,4,6-Tribromophenol	150	140	93		44	137
		Terphenyl-d14	100	79.8	80		42	152
Q2262-02MS	ARS20-0032MS	2-Fluorophenol	150	127	85		23	138
		Phenol-d6	150	111	74		10	134
		Nitrobenzene-d5	100	87.9	88		67	132
		2-Fluorobiphenyl	100	83.5	83		52	132
		2,4,6-Tribromophenol	150	147	98		44	137
		Terphenyl-d14	100	84.2	84		42	152
Q2262-02MSD	ARS20-0032MSD	2-Fluorophenol	150	126	84		23	138
		Phenol-d6	150	112	75		10	134
		Nitrobenzene-d5	100	88.0	88		67	132
		2-Fluorobiphenyl	100	84.2	84		52	132
		2,4,6-Tribromophenol	150	146	98		44	137
		Terphenyl-d14	100	88.5	88		42	152
Q2267-01	WC-20250605	2-Fluorophenol	150	141	94		23	138
		Phenol-d6	150	121	81		10	134
		Nitrobenzene-d5	100	94.7	95		67	132
		2-Fluorobiphenyl	100	91.8	92		52	132
		2,4,6-Tribromophenol	150	156	104		44	137
		Terphenyl-d14	100	68.5	68		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2267

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2262-02MS		**Client Sample ID: ARS20-0032MS**						**DataFile: BM050281.D**			
Pyridine	500	0	400	ug/L	80				10	109	
1,4-Dichlorobenzene	500	0	440	ug/L	88				55	125	
2-Methylphenol	500	0	460	ug/L	92				60	131	
3+4-Methylphenols	500	0	440	ug/L	88				54	136	
Hexachloroethane	500	0	460	ug/L	92				19	146	
Nitrobenzene	500	0	510	ug/L	102				62	112	
Hexachlorobutadiene	500	0	470	ug/L	94				52	125	
2,4,6-Trichlorophenol	500	0	510	ug/L	102				78	112	
2,4,5-Trichlorophenol	500	0	520	ug/L	104				71	111	
2,4-Dinitrotoluene	500	0	570	ug/L	114				74	137	
Hexachlorobenzene	500	0	520	ug/L	104				72	115	
Pentachlorophenol	1000	0	1100	ug/L	110				52	162	

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2267

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2262-02MSD		**Client Sample ID:** ARS20-0032MSD						**DataFile:** BM050282.D			
Pyridine	500	0	380	ug/L	76		5		10	109	20
1,4-Dichlorobenzene	500	0	440	ug/L	88		0		55	125	20
2-Methylphenol	500	0	470	ug/L	94		2		60	131	20
3+4-Methylphenols	500	0	460	ug/L	92		4		54	136	20
Hexachloroethane	500	0	450	ug/L	90		2		19	146	20
Nitrobenzene	500	0	500	ug/L	100		2		62	112	20
Hexachlorobutadiene	500	0	490	ug/L	98		4		52	125	20
2,4,6-Trichlorophenol	500	0	530	ug/L	106		4		78	112	20
2,4,5-Trichlorophenol	500	0	530	ug/L	106		2		71	111	20
2,4-Dinitrotoluene	500	0	570	ug/L	114		0		74	137	20
Hexachlorobenzene	500	0	540	ug/L	108		4		72	115	20
Pentachlorophenol	1000	0	1100	ug/L	110		0		52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2267

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BM050279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168422BS	Pyridine	50	39.9	ug/L	80				29	97	
	1,4-Dichlorobenzene	50	42.9	ug/L	86				76	103	
	2-Methylphenol	50	44.1	ug/L	88				69	109	
	3+4-Methylphenols	50	43.8	ug/L	88				67	106	
	Hexachloroethane	50	44.9	ug/L	90				76	118	
	Nitrobenzene	50	46.8	ug/L	94				58	106	
	Hexachlorobutadiene	50	43.7	ug/L	87				69	101	
	2,4,6-Trichlorophenol	50	46.1	ug/L	92				61	110	
	2,4,5-Trichlorophenol	50	47.0	ug/L	94				70	106	
	2,4-Dinitrotoluene	50	51.7	ug/L	103				60	115	
	Hexachlorobenzene	50	47.0	ug/L	94				73	106	
	Pentachlorophenol	100	100	ug/L	100				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168422BL

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2267 SAS No.: Q2267 SDG NO.: Q2267

Lab File ID: BM050278.D Lab Sample ID: PB168422BL

Instrument ID: BNA_M Date Extracted: 06/11/2025

Matrix: (soil/water) water Date Analyzed: 06/11/2025

Level: (low/med) LOW Time Analyzed: 17:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168422BS	PB168422BS	BM050279.D	06/11/2025
ARS20-0032MS	Q2262-02MS	BM050281.D	06/11/2025
ARS20-0032MSD	Q2262-02MSD	BM050282.D	06/11/2025
WC-20250605	Q2267-01	BM050284.D	06/11/2025
PB168390TB	PB168390TB	BM050296.D	06/12/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2267 SDG NO.: Q2267

Lab File ID: BM050193.D DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.3
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.4
443	15.0 - 24.0% of mass 442	14.8 (19.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050194.D	06/05/2025	09:20
SSTDICC005	SSTDICC005	BM050195.D	06/05/2025	09:59
SSTDICC010	SSTDICC010	BM050196.D	06/05/2025	10:38
SSTDICC020	SSTDICC020	BM050197.D	06/05/2025	11:17
SSTDICCC040	SSTDICCC040	BM050198.D	06/05/2025	11:57
SSTDICC050	SSTDICC050	BM050199.D	06/05/2025	12:36
SSTDICC060	SSTDICC060	BM050200.D	06/05/2025	13:16
SSTDICC080	SSTDICC080	BM050201.D	06/05/2025	13:56

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2267 SDG NO.: Q2267

Lab File ID: BM050276.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_M DFTPP Injection Time: 15:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	50.6
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	11.2
442	Greater than 50% of mass 198	70.8
443	15.0 - 24.0% of mass 442	13.7 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050277.D	06/11/2025	16:25
PB168422BL	PB168422BL	BM050278.D	06/11/2025	17:24
PB168422BS	PB168422BS	BM050279.D	06/11/2025	18:04
ARS20-0032MS	Q2262-02MS	BM050281.D	06/11/2025	19:23
ARS20-0032MSD	Q2262-02MSD	BM050282.D	06/11/2025	20:02
WC-20250605	Q2267-01	BM050284.D	06/11/2025	21:21

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2267 SDG NO.: Q2267

Lab File ID: BM050293.D DFTPP Injection Date: 06/12/2025

Instrument ID: BNA_M DFTPP Injection Time: 03:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.6
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	42.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	51.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	76.4
443	15.0 - 24.0% of mass 442	14.8 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050294.D	06/12/2025	04:31
PB168390TB	PB168390TB	BM050296.D	06/12/2025	05:50

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2267 SAS No.: Q2267 SDG NO.: Q2267

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BM050277.D Time Analyzed: 16:25

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	385793	7.763	1556760	10.55	888836	14.39
	UPPER LIMIT	771586	8.263	3113520	11.051	1777670	14.892
	LOWER LIMIT	192897	7.263	778380	10.051	444418	13.892
	EPA SAMPLE NO.						
01	PB168422BL	379949	7.76	1397820	10.55	753306	14.39
02	PB168422BS	367361	7.76	1426640	10.55	820279	14.40
03	ARS20-0032MS	381437	7.76	1477950	10.55	832888	14.40
04	ARS20-0032MSD	426249	7.76	1656090	10.55	962021	14.40
05	WC-20250605	342435	7.76	1297100	10.55	723910	14.39

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.: Q2267 SAS No.: Q2267 SDG NO.: Q2267

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BM050277.D Time Analyzed: 16:25

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1666660	17.133	1770270	21.362	1907720	24.338
	UPPER LIMIT	3333320	17.633	3540540	21.862	3815440	24.838
	LOWER LIMIT	833330	16.633	885135	20.862	953860	23.838
	EPA SAMPLE NO.						
01	PB168422BL	1427850	17.13	1514580	21.36	1590020	24.34
02	PB168422BS	1545820	17.13	1653110	21.36	1805250	24.34
03	ARS20-0032MS	1533180	17.13	1635520	21.36	1800700	24.34
04	ARS20-0032MSD	1732540	17.13	1631000	21.36	1766580	24.33
05	WC-20250605	1414150	17.13	1483950	21.36	828685 *	24.33

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2267 SAS No.: Q2267 SDG NO.: Q2267

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BM050294.D Time Analyzed: 04:31

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	421256	7.763	1719770	10.55	980072	14.39
	UPPER LIMIT	842512	8.263	3439540	11.051	1960140	14.892
	LOWER LIMIT	210628	7.263	859885	10.051	490036	13.892
	EPA SAMPLE NO.						
01	PB168390TB	380994	7.76	1407710	10.55	768840	14.39

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.: Q2267 SAS No.: Q2267 SDG NO.: Q2267

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BM050294.D Time Analyzed: 04:31

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1834300	17.133	2006120	21.362	2127250	24.327
	UPPER LIMIT	3668600	17.633	4012240	21.862	4254500	24.827
	LOWER LIMIT	917150	16.633	1003060	20.862	1063630	23.827
	EPA SAMPLE NO.						
01	PB168390TB	1429590	17.13	1457100	21.36	1555860	24.33

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168422BL	SDG No.:	Q2267
Lab Sample ID:	PB168422BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050278.D	1	06/11/25 12:20	06/11/25 17:24	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	156		23 - 138	104%	SPK: 150
13127-88-3	Phenol-d6	143		10 - 134	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.3		67 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.0		52 - 132	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		44 - 137	103%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		42 - 152	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	380000	7.763			
1146-65-2	Naphthalene-d8	1400000	10.551			
15067-26-2	Acenaphthene-d10	753000	14.392			
1517-22-2	Phenanthrene-d10	1430000	17.133			
1719-03-5	Chrysene-d12	1510000	21.362			
1520-96-3	Perylene-d12	1590000	24.338			

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168422BL	SDG No.:	Q2267
Lab Sample ID:	PB168422BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050278.D	1	06/11/25 12:20	06/11/25 17:24	PB168422

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:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168422BS	SDG No.:	Q2267
Lab Sample ID:	PB168422BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050279.D	1	06/11/25 12:20	06/11/25 18:04	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.9		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.9		0.53	5.00	ug/L
95-48-7	2-Methylphenol	44.1		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	44.9		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.8		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.7		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	46.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.0		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.7		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	47.0		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		23 - 138	90%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.9		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		52 - 132	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		44 - 137	93%	SPK: 150
1718-51-0	Terphenyl-d14	79.8		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	367000	7.763			
1146-65-2	Naphthalene-d8	1430000	10.551			
15067-26-2	Acenaphthene-d10	820000	14.398			
1517-22-2	Phenanthrene-d10	1550000	17.133			
1719-03-5	Chrysene-d12	1650000	21.362			
1520-96-3	Perylene-d12	1810000	24.338			

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	
Client Sample ID:	PB168422BS			SDG No.:	Q2267
Lab Sample ID:	PB168422BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050279.D	1	06/11/25 12:20	06/11/25 18:04	PB168422

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:	PARSONS Engineering of New York, Inc.	Date Collected:	06/06/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	ARS20-0032MS	SDG No.:	Q2267
Lab Sample ID:	Q2262-02MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050281.D	1	06/11/25 12:20	06/11/25 19:23	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	400		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	440		5.30	50.0	ug/L
95-48-7	2-Methylphenol	460		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	440		11.0	100	ug/L
67-72-1	Hexachloroethane	460		6.50	50.0	ug/L
98-95-3	Nitrobenzene	510		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	470		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	520		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	570		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	520		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		23 - 138	85%	SPK: 150
13127-88-3	Phenol-d6	111		10 - 134	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.9		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.5		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		44 - 137	98%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		42 - 152	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	381000	7.763			
1146-65-2	Naphthalene-d8	1480000	10.552			
15067-26-2	Acenaphthene-d10	833000	14.398			
1517-22-2	Phenanthrene-d10	1530000	17.133			
1719-03-5	Chrysene-d12	1640000	21.363			
1520-96-3	Perylene-d12	1800000	24.339			

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/06/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	ARS20-0032MS	SDG No.:	Q2267
Lab Sample ID:	Q2262-02MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050281.D	1	06/11/25 12:20	06/11/25 19:23	PB168422

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:	PARSONS Engineering of New York, Inc.	Date Collected:	06/06/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	ARS20-0032MSD	SDG No.:	Q2267
Lab Sample ID:	Q2262-02MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050282.D	1	06/11/25 12:20	06/11/25 20:02	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	380		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	440		5.30	50.0	ug/L
95-48-7	2-Methylphenol	470		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	460		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	500		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	490		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	530		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	530		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	570		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	540		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		23 - 138	84%	SPK: 150
13127-88-3	Phenol-d6	112		10 - 134	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.2		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		44 - 137	98%	SPK: 150
1718-51-0	Terphenyl-d14	88.5		42 - 152	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	426000	7.763			
1146-65-2	Naphthalene-d8	1660000	10.551			
15067-26-2	Acenaphthene-d10	962000	14.398			
1517-22-2	Phenanthrene-d10	1730000	17.133			
1719-03-5	Chrysene-d12	1630000	21.362			
1520-96-3	Perylene-d12	1770000	24.333			

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/06/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	ARS20-0032MSD	SDG No.:	Q2267
Lab Sample ID:	Q2262-02MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050282.D	1	06/11/25 12:20	06/11/25 20:02	PB168422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050194.D 5 =BM050195.D 10 =BM050196.D 20 =BM050197.D 40 =BM050198.D 50 =BM050199.D 60 =BM050200.D 80 =BM0502
01.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.597	0.552	0.516	0.479	0.511	0.536	0.488	0.526	7.69
3)		Pyridine		1.353	1.352	1.370	1.311	1.425	1.389	1.326	1.361	2.80
4)		n-Nitrosodimet...		0.283	0.265	0.279	0.272	0.297	0.293	0.282	0.281	3.95
5)	S	2-Fluorophenol		1.251	1.193	1.192	1.145	1.238	1.224	1.150	1.199	3.45
6)		Aniline		2.033	2.016	2.147	2.065	2.250	2.064	2.031	2.086	4.02
7)	S	Phenol-d6		1.569	1.521	1.617	1.565	1.699	1.560	1.516	1.578	4.00
8)		2-Chlorophenol		1.289	1.259	1.344	1.295	1.418	1.338	1.288	1.319	4.02
9)		Benzaldehyde		1.188	1.080	1.096	0.878	0.975	0.804		1.003	14.43
10)	C	Phenol		1.673	1.644	1.710	1.644	1.782	1.637	1.600	1.670	3.58
11)		bis(2-Chloroet...		1.396	1.319	1.380	1.315	1.428	1.295	1.269	1.343	4.36
12)		1,3-Dichlorobe...		1.516	1.462	1.491	1.412	1.545	1.485	1.409	1.474	3.46
13)	C	1,4-Dichlorobe...		1.619	1.544	1.564	1.450	1.591	1.525	1.444	1.534	4.34
14)		1,2-Dichlorobe...		1.503	1.456	1.492	1.402	1.540	1.450	1.392	1.462	3.68
15)		Benzyl Alcohol		1.072	1.045	1.152	1.141	1.267	1.102	1.101	1.126	6.43
16)		2,2'-oxybis(1-...		1.012	0.949	0.974	0.909	0.978	0.863	0.845	0.933	6.68
17)		2-Methylphenol		1.078	1.042	1.133	1.108	1.207	1.077	1.068	1.102	4.96
18)		Hexachloroethane		0.564	0.544	0.552	0.533	0.593	0.559	0.543	0.556	3.51
19)	P	n-Nitroso-di-n...	0.847	0.944	0.947	1.072	1.001	1.096	0.906	0.913	0.966	8.82
20)		3+4-Methylphenols		1.367	1.375	1.533	1.509	1.661	1.437	1.438	1.474	6.98
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.506	0.517	0.476	0.519	0.495	0.470	0.500	4.03
23)	S	Nitrobenzene-d5		0.359	0.362	0.392	0.377	0.414	0.406	0.382	0.385	5.42
24)		Nitrobenzene		0.333	0.337	0.359	0.339	0.370	0.363	0.347	0.350	4.10
25)		Isophorone		0.647	0.624	0.685	0.659	0.733	0.652	0.646	0.664	5.33
26)	C	2-Nitrophenol		0.116	0.124	0.146	0.155	0.178	0.169	0.169	0.151	15.65
27)		2,4-Dimethylph...		0.311	0.298	0.315	0.303	0.332	0.313	0.299	0.310	3.80
28)		bis(2-Chloroet...		0.426	0.413	0.447	0.427	0.470	0.432	0.420	0.434	4.42
29)	C	2,4-Dichloroph...		0.265	0.262	0.289	0.286	0.319	0.300	0.289	0.287	6.83
30)		1,2,4-Trichlor...		0.324	0.307	0.321	0.305	0.337	0.330	0.312	0.319	3.72
31)		Naphthalene		1.111	1.041	1.056	0.977	1.061	1.025	0.969	1.034	4.79
32)		Benzoic acid			0.127	0.176	0.204	0.233	0.211	0.219	0.195	19.69
33)		4-Chloroaniline		0.438	0.423	0.454	0.433	0.477	0.440	0.422	0.441	4.37
34)	C	Hexachlorobuta...		0.188	0.184	0.189	0.182	0.202	0.197	0.188	0.190	3.74
35)		Caprolactam		0.077	0.077	0.093	0.097	0.112	0.092	0.090	0.091	13.48
36)	C	4-Chloro-3-met...		0.293	0.276	0.313	0.313	0.347	0.302	0.299	0.306	7.19
37)		2-Methylnaphth...		0.625	0.592	0.643	0.615	0.679	0.619	0.594	0.624	4.78
38)		1-Methylnaphth...		0.676	0.637	0.689	0.649	0.714	0.648	0.622	0.662	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.586	0.561	0.585	0.541	0.589	0.607	0.574	0.578	3.71
41)	P	Hexachlorocycl...	0.295	0.305	0.339	0.341	0.382	0.401	0.392	0.351	12.02
42)	S	2,4,6-Tribromo...	0.210	0.213	0.238	0.231	0.254	0.233	0.214	0.227	6.99
43)	C	2,4,6-Trichlor...	0.346	0.347	0.379	0.375	0.414	0.402	0.396	0.380	6.93
44)		2,4,5-Trichlor...	0.371	0.382	0.424	0.414	0.457	0.442	0.429	0.417	7.46
45)	S	2-Fluorobiphenyl	1.589	1.536	1.532	1.377	1.463	1.480	1.364	1.477	5.67
46)		1,1'-Biphenyl	1.582	1.513	1.514	1.404	1.526	1.508	1.437	1.498	3.96
47)		2-Chloronaphth...	1.221	1.194	1.180	1.084	1.171	1.177	1.123	1.164	3.94
48)		2-Nitroaniline	0.200	0.206	0.252	0.268	0.302	0.290	0.277	0.256	15.56
49)		Acenaphthylene	1.863	1.834	1.940	1.819	1.978	1.924	1.824	1.883	3.39
50)		Dimethylphthalate	1.339	1.285	1.398	1.343	1.474	1.344	1.284	1.353	4.92
51)		2,6-Dinitrotol...	0.204	0.231	0.284	0.289	0.320	0.297	0.284	0.273	14.82
52)	C	Acenaphthene	1.217	1.176	1.185	1.132	1.228	1.181	1.127	1.178	3.24
53)		3-Nitroaniline	0.231	0.252	0.312	0.323	0.360	0.336	0.314	0.304	15.16
54)	P	2,4-Dinitrophenol		0.093	0.131	0.152	0.179	0.160	0.160	0.146	20.67
55)		Dibenzofuran	1.782	1.710	1.775	1.662	1.797	1.719	1.617	1.723	3.87
56)	P	4-Nitrophenol	0.199	0.216	0.265	0.274	0.307	0.288	0.262	0.259	14.93
57)		2,4-Dinitrotol...	0.250	0.283	0.365	0.396	0.447	0.398	0.380	0.360	19.28
58)		Fluorene	1.413	1.358	1.394	1.267	1.348	1.289	1.169	1.320	6.40
59)		2,3,4,6-Tetrac...	0.338	0.330	0.370	0.365	0.401	0.371	0.350	0.361	6.60
60)		Diethylphthalate	1.314	1.272	1.416	1.346	1.490	1.317	1.238	1.342	6.43
61)		4-Chlorophenyl...	0.675	0.656	0.667	0.611	0.660	0.623	0.573	0.638	5.81
62)		4-Nitroaniline	0.213	0.236	0.291	0.308	0.342	0.319	0.285	0.285	16.00
63)		Azobenzene	1.342	1.330	1.415	1.313	1.443	1.316	1.230	1.341	5.25
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.101	0.111	0.128	0.120	0.121	0.109	17.72
66)	c	n-Nitrosodiphe...	0.630	0.626	0.639	0.594	0.646	0.639	0.625	0.628	2.73
67)		4-Bromophenyl-...	0.207	0.204	0.215	0.204	0.228	0.217	0.218	0.213	4.13
68)		Hexachlorobenzene	0.249	0.240	0.253	0.238	0.261	0.255	0.249	0.249	3.29
69)		Atrazine	0.166	0.177	0.206	0.206	0.231	0.212	0.204	0.200	10.86
70)	C	Pentachlorophenol	0.133	0.138	0.165	0.164	0.187	0.177	0.171	0.162	12.21
71)		Phenanthrene	1.239	1.156	1.160	1.071	1.161	1.144	1.068	1.143	5.14
72)		Anthracene	1.167	1.135	1.175	1.086	1.181	1.165	1.092	1.143	3.46
73)		Carbazole	1.041	1.003	1.063	1.009	1.103	1.085	0.985	1.041	4.30
74)		Di-n-butylphth...	0.998	1.007	1.187	1.159	1.300	1.187	1.093	1.133	9.53
75)	C	Fluoranthene	1.180	1.139	1.231	1.178	1.301	1.284	1.121	1.205	5.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.381	0.568	0.617	0.689	0.600	0.520	0.562	18.64
78)		Pyrene	1.331	1.307	1.444	1.324	1.423	1.274	1.334	1.348	4.61
79)	S	Terphenyl-d14	1.148	1.088	1.165	1.010	1.064	0.955	0.957	1.055	8.06
80)		Butylbenzylpht...	0.322	0.347	0.460	0.490	0.563	0.480	0.485	0.450	18.95
81)		Benzo(a)anthra...	1.271	1.231	1.298	1.218	1.338	1.280	1.225	1.266	3.47
82)		3,3'-Dichlorob...	0.265	0.301	0.379	0.415	0.476	0.450	0.416	0.386	19.97
83)		Chrysene	1.235	1.184	1.225	1.151	1.256	1.217	1.161	1.204	3.27
84)		Bis(2-ethylhex...	0.525	0.574	0.702	0.740	0.851	0.741	0.714	0.693	15.84
85)	c	Di-n-octyl pht...	0.641	0.729	0.936	1.114	1.359	1.245	1.169	1.028	26.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.189	1.183	1.254	1.191	1.318	1.472	1.407	1.288	8.99
88)		Benzo(b)fluora...	1.104	1.082	1.205	1.170	1.269	1.178	1.132	1.163	5.46
89)		Benzo(k)fluora...	1.141	1.149	1.222	1.167	1.295	1.190	1.144	1.187	4.71
90)	C	Benzo(a)pyrene	0.994	1.007	1.111	1.081	1.197	1.153	1.111	1.093	6.73
91)		Dibenzo(a,h)an...	0.954	0.966	1.021	0.972	1.075	1.188	1.141	1.045	8.83
92)		Benzo(g,h,i)pe...	1.002	0.978	1.013	0.954	1.037	1.194	1.146	1.046	8.57

(#) = 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: PARS02

Lab Code: CHEM Case No.: Q2267 SAS No.: Q2267 SDG No.: Q2267

Instrument ID: BNA_M Calibration Date/Time: 06/11/2025 16:25

Lab File ID: BM050277.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.361	1.435		5.4	
2-Fluorophenol	1.199	1.266		5.6	
Phenol-d6	1.578	1.594		1.0	
1,4-Dichlorobenzene	1.534	1.499		-2.3	20.0
2-Methylphenol	1.102	1.087		-1.4	
3+4-Methylphenols	1.474	1.437		-2.5	
Nitrobenzene-d5	0.385	0.398		3.4	
Hexachloroethane	0.555	0.572		3.1	
Nitrobenzene	0.350	0.363		3.7	
Hexachlorobutadiene	0.190	0.180		-5.3	20.0
2,4,6-Trichlorophenol	0.380	0.380		0.0	20.0
2-Fluorobiphenyl	1.477	1.459		-1.2	
2,4,5-Trichlorophenol	0.417	0.413		-1.0	
2,4-Dinitrotoluene	0.360	0.382		6.1	
2,4,6-Tribromophenol	0.227	0.236		4.0	
Hexachlorobenzene	0.249	0.247		-0.8	
Pentachlorophenol	0.162	0.165		1.9	20.0
Terphenyl-d14	1.055	1.028		-2.6	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2267 SAS No.: Q2267 SDG No.: Q2267

Instrument ID: BNA_M Calibration Date/Time: 06/12/2025 04:31

Lab File ID: BM050294.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.361	1.435		5.4	
2-Fluorophenol	1.199	1.250		4.3	
Phenol-d6	1.578	1.595		1.1	
1,4-Dichlorobenzene	1.534	1.495		-2.5	20.0
2-Methylphenol	1.102	1.099		-0.3	
3+4-Methylphenols	1.474	1.458		-1.1	
Nitrobenzene-d5	0.385	0.405		5.2	
Hexachloroethane	0.555	0.587		5.8	
Nitrobenzene	0.350	0.371		6.0	
Hexachlorobutadiene	0.190	0.180		-5.3	20.0
2,4,6-Trichlorophenol	0.380	0.380		0.0	20.0
2-Fluorobiphenyl	1.477	1.469		-0.5	
2,4,5-Trichlorophenol	0.417	0.417		0.0	
2,4-Dinitrotoluene	0.360	0.387		7.5	
2,4,6-Tribromophenol	0.227	0.239		5.3	
Hexachlorobenzene	0.249	0.250		0.4	
Pentachlorophenol	0.162	0.173		6.8	20.0
Terphenyl-d14	1.055	1.007		-4.6	

All other compounds must meet a minimum RRF of 0.010.