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

LAB CHRONICLE

OrderID:	Q2681	**OrderDate:**	7/23/2025 2:59:39 PM
Client:	Core Environmental Consultants and Services, Inc.	**Project:**	NYPA
Contact:	Roland Scardino	**Location:**	D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2681-01	**NYPA-POUCH-SPENT-CARBON**	**TCLP**			**07/23/25**			**07/23/25**
			TCLP BNA	8270E		07/29/25	07/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2681

Client: Core Environmental Consultants and Services, 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:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/29/25
Project:	NYPA	Date Received:	07/29/25
Client Sample ID:	PB168986TB	SDG No.:	Q2681
Lab Sample ID:	PB168986TB	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
BP025265.D	1	07/29/25 09:44	07/29/25 17:21	PB169045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.0	100	ug/L
67-72-1	Hexachloroethane	50.0	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		23 - 138	88%	SPK: 150
13127-88-3	Phenol-d6	126		10 - 134	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.1		67 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.8		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	86.1		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	358000	7.402			
1146-65-2	Naphthalene-d8	1360000	10.143			
15067-26-2	Acenaphthene-d10	834000	14.043			
1517-22-2	Phenanthrene-d10	1780000	16.86			
1719-03-5	Chrysene-d12	2040000	21.301			
1520-96-3	Perylene-d12	2400000	24.419			

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/29/25
Project:	NYPA	Date Received:	07/29/25
Client Sample ID:	PB168986TB	SDG No.:	Q2681
Lab Sample ID:	PB168986TB	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
BP025265.D	1	07/29/25 09:44	07/29/25 17:21	PB169045

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBON	SDG No.:	Q2681
Lab Sample ID:	Q2681-01	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
BP025267.D	1	07/29/25 09:44	07/29/25 18:49	PB169045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.0	100	ug/L
67-72-1	Hexachloroethane	50.0	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	118		23 - 138	78%	SPK: 150
13127-88-3	Phenol-d6	108		10 - 134	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.8		67 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		44 - 137	81%	SPK: 150
1718-51-0	Terphenyl-d14	86.1		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	356000	7.402			
1146-65-2	Naphthalene-d8	1340000	10.143			
15067-26-2	Acenaphthene-d10	805000	14.048			
1517-22-2	Phenanthrene-d10	1660000	16.866			
1719-03-5	Chrysene-d12	1920000	21.295			
1520-96-3	Perylene-d12	2300000	24.401			

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBON	SDG No.:	Q2681
Lab Sample ID:	Q2681-01	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
BP025267.D	1	07/29/25 09:44	07/29/25 18:49	PB169045

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.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168986TB	PB168986TB	2-Fluorophenol	150	132	88		23	138
		Phenol-d6	150	126	84		10	134
		Nitrobenzene-d5	100	81.1	81		67	132
		2-Fluorobiphenyl	100	85.8	86		52	132
		2,4,6-Tribromophenol	150	125	83		44	137
		Terphenyl-d14	100	86.1	86		42	152
PB169045BL	PB169045BL	2-Fluorophenol	150	134	89		23	138
		Phenol-d6	150	131	87		10	134
		Nitrobenzene-d5	100	82.2	82		67	132
		2-Fluorobiphenyl	100	85.1	85		52	132
		2,4,6-Tribromophenol	150	128	85		44	137
		Terphenyl-d14	100	86.6	87		42	152
PB169045BS	PB169045BS	2-Fluorophenol	150	126	84		23	138
		Phenol-d6	150	128	85		10	134
		Nitrobenzene-d5	100	76.4	76		67	132
		2-Fluorobiphenyl	100	76.8	77		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	84.5	84		42	152
Q2681-01	NYPA-POUCH-SPENT-CARBON	2-Fluorophenol	150	118	78		23	138
		Phenol-d6	150	108	72		10	134
		Nitrobenzene-d5	100	82.8	83		67	132
		2-Fluorobiphenyl	100	83.6	84		52	132
		2,4,6-Tribromophenol	150	121	81		44	137
		Terphenyl-d14	100	86.1	86		42	152
Q2681-01MS	NYPA-POUCH-SPENT-CARBONMS	2-Fluorophenol	150	116	77		23	138
		Phenol-d6	150	107	72		10	134
		Nitrobenzene-d5	100	79.3	79		67	132
		2-Fluorobiphenyl	100	79.7	80		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	85.8	86		42	152
Q2681-01MSD	NYPA-POUCH-SPENT-CARBONMS	2-Fluorophenol	150	119	79		23	138
		Phenol-d6	150	109	73		10	134
		Nitrobenzene-d5	100	82.3	82		67	132
		2-Fluorobiphenyl	100	82.7	83		52	132
		2,4,6-Tribromophenol	150	124	83		44	137
		Terphenyl-d14	100	86.2	86		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2681 **Analytical Method:** SW8270E

Client: Core Environmental Consultants and Ser **DataFile:** BP025268.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2681-01MS		**Client Sample ID: NYPA-POUCH-SPENT-CARBONMS**									
Pyridine	500	0	340	ug/L	68				10	109	
1,4-Dichlorobenzene	500	0	400	ug/L	80				55	125	
2-Methylphenol	500	0	420	ug/L	84				60	131	
3+4-Methylphenols	500	0	410	ug/L	82				54	136	
Hexachloroethane	500	0	400	ug/L	80				19	146	
Nitrobenzene	500	0	440	ug/L	88				62	112	
Hexachlorobutadiene	500	0	400	ug/L	80				52	125	
2,4,6-Trichlorophenol	500	0	460	ug/L	92				78	112	
2,4,5-Trichlorophenol	500	0	460	ug/L	92				71	111	
2,4-Dinitrotoluene	500	0	490	ug/L	98				74	137	
Hexachlorobenzene	500	0	450	ug/L	90				72	115	
Pentachlorophenol	1000	0	820	ug/L	82				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2681 **Analytical Method:** SW8270E

Client: Core Environmental Consultants and Ser **DataFile:** BP025269.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2681-01MSD		**Client Sample ID: NYPA-POUCH-SPENT-CARBONMS**									
Pyridine	500	0	350	ug/L	70	3			10	109	20
1,4-Dichlorobenzene	500	0	400	ug/L	80	0			55	125	20
2-Methylphenol	500	0	430	ug/L	86	2			60	131	20
3+4-Methylphenols	500	0	420	ug/L	84	2			54	136	20
Hexachloroethane	500	0	400	ug/L	80	0			19	146	20
Nitrobenzene	500	0	460	ug/L	92	4			62	112	20
Hexachlorobutadiene	500	0	420	ug/L	84	5			52	125	20
2,4,6-Trichlorophenol	500	0	470	ug/L	94	2			78	112	20
2,4,5-Trichlorophenol	500	0	470	ug/L	94	2			71	111	20
2,4-Dinitrotoluene	500	0	500	ug/L	100	2			74	137	20
Hexachlorobenzene	500	0	460	ug/L	92	2			72	115	20
Pentachlorophenol	1000	0	860	ug/L	86	5			52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2681 **Analytical Method:** 8270E

Client: Core Environmental Consultants and Services, Inc. **DataFile:** BP025263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169045BS	Pyridine	50	35.2	ug/L	70				29	97	
	1,4-Dichlorobenzene	50	42.8	ug/L	86				76	103	
	2-Methylphenol	50	46.9	ug/L	94				69	109	
	3+4-Methylphenols	50	46.2	ug/L	92				67	106	
	Hexachloroethane	50	42.4	ug/L	85				76	118	
	Nitrobenzene	50	45.3	ug/L	91				58	106	
	Hexachlorobutadiene	50	41.9	ug/L	84				69	101	
	2,4,6-Trichlorophenol	50	44.8	ug/L	90				61	110	
	2,4,5-Trichlorophenol	50	44.6	ug/L	89				70	106	
	2,4-Dinitrotoluene	50	48.1	ug/L	96				60	115	
	Hexachlorobenzene	50	44.5	ug/L	89				73	106	
	Pentachlorophenol	100	81.7	ug/L	82				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169045BL

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q2681

Lab File ID: BP025262.D | Lab Sample ID: PB169045BL

Instrument ID: BNA_P | Date Extracted: 07/29/2025

Matrix: (soil/water) water | Date Analyzed: 07/29/2025

Level: (low/med) LOW | Time Analyzed: 15:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169045BS	PB169045BS	BP025263.D	07/29/2025
NYPA-POUCH-SPENT-CARBON	Q2681-01	BP025267.D	07/29/2025
NYPA-POUCH-SPENT-CARBONMS	Q2681-01MS	BP025268.D	07/29/2025
NYPA-POUCH-SPENT-CARBONMSD	Q2681-01MSD	BP025269.D	07/29/2025
PB168986TB	PB168986TB	BP025265.D	07/29/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q2681

Lab File ID: BP025194.D DFTPP Injection Date: 07/21/2025

Instrument ID: BNA_P DFTPP Injection Time: 13:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	28
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.5 (19.5) 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	BP025196.D	07/21/2025	14:25
SSTDICC005	SSTDICC005	BP025197.D	07/21/2025	15:06
SSTDICC010	SSTDICC010	BP025198.D	07/21/2025	15:47
SSTDICC020	SSTDICC020	BP025199.D	07/21/2025	16:29
SSTDICCC040	SSTDICCC040	BP025200.D	07/21/2025	17:10
SSTDICC050	SSTDICC050	BP025201.D	07/21/2025	17:51
SSTDICC060	SSTDICC060	BP025202.D	07/21/2025	18:32
SSTDICC080	SSTDICC080	BP025203.D	07/21/2025	19:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q2681

Lab File ID: BP025260.D | DFTPP Injection Date: 07/29/2025

Instrument ID: BNA_P | DFTPP Injection Time: 13:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	32.2
70	Less than 2.0% of mass 69	0.2 (0.7) 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
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	85.2
443	15.0 - 24.0% of mass 442	17.2 (20.1) 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	BP025261.D	07/29/2025	14:34
PB169045BL	PB169045BL	BP025262.D	07/29/2025	15:16
PB169045BS	PB169045BS	BP025263.D	07/29/2025	15:57
PB168986TB	PB168986TB	BP025265.D	07/29/2025	17:21
NYPA-POUCH-SPENT-CARBON	Q2681-01	BP025267.D	07/29/2025	18:49
NYPA-POUCH-SPENT-CARBONMS	Q2681-01MS	BP025268.D	07/29/2025	19:30
NYPA-POUCH-SPENT-CARBONMSD	Q2681-01MSD	BP025269.D	07/29/2025	20:12

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2681

Client ID : SSTDCCC040 Date Analyzed: 07/29/2025

Lab File ID: BP025261.D Time Analyzed: 14:34

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	438875	7.402	1849290	10.14	1224770	14.05
	UPPER LIMIT	877750	7.902	3698580	10.643	2449540	14.548
	LOWER LIMIT	219438	6.902	924645	9.643	612385	13.548
	EPA SAMPLE NO.						
01	PB169045BL	365573	7.40	1407610	10.14	920732	14.04
02	PB169045BS	395184	7.40	1597490	10.14	1063390	14.04
03	PB168986TB	358085	7.40	1361240	10.14	833557	14.04
04	NYPA-POUCH-SPENT-CARBON	356287	7.40	1336640	10.14	804558	14.05
05	NYPA-POUCH-SPENT-CARBONMS	410904	7.40	1583410	10.13	1004130	14.05
06	NYPA-POUCH-SPENT-CARBONMSD	384313	7.40	1463130	10.14	919304	14.05

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: Alliance

Lab Code: ACE SDG NO.: Q2681

Client ID: SSTDCCC040 Date Analyzed: 07/29/2025

Lab File ID: BP025261.D Time Analyzed: 14:34

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	2455710	16.878	2538130	21.307	2969640	24.412
	UPPER LIMIT	4911420	17.378	5076260	21.807	5939280	24.912
	LOWER LIMIT	1227860	16.378	1269070	20.807	1484820	23.912
	EPA SAMPLE NO.						
01	PB169045BL	1911410	16.87	2107200	21.31	2470260	24.42
02	PB169045BS	2167840	16.88	2293730	21.30	2662270	24.42
03	PB168986TB	1780550	16.86	2040550	21.30	2402930	24.42
04	NYPA-POUCH-SPENT-CARBON	1660350	16.87	1921490	21.30	2295190	24.40
05	NYPA-POUCH-SPENT-CARBONMS	2004290	16.86	2127410	21.30	2531250	24.41
06	NYPA-POUCH-SPENT-CARBONMSD	1866640	16.86	2042820	21.30	2451110	24.41

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	PB169045BL	SDG No.:	Q2681
Lab Sample ID:	PB169045BL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025262.D	1	07/29/25 09:44	07/29/25 15:16	PB169045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	5.00	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	5.00	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		23 - 138	89%	SPK: 150
13127-88-3	Phenol-d6	131		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.2		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		52 - 132	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		44 - 137	85%	SPK: 150
1718-51-0	Terphenyl-d14	86.6		42 - 152	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	366000	7.401			
1146-65-2	Naphthalene-d8	1410000	10.143			
15067-26-2	Acenaphthene-d10	921000	14.042			
1517-22-2	Phenanthrene-d10	1910000	16.866			
1719-03-5	Chrysene-d12	2110000	21.307			
1520-96-3	Perylene-d12	2470000	24.424			

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.			Date Collected:	
Project:	NYPA			Date Received:	
Client Sample ID:	PB169045BL			SDG No.:	Q2681
Lab Sample ID:	PB169045BL			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025262.D	1	07/29/25 09:44	07/29/25 15:16	PB169045

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	PB169045BS	SDG No.:	Q2681
Lab Sample ID:	PB169045BS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025263.D	1	07/29/25 09:44	07/29/25 15:57	PB169045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	35.2		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.8		0.53	5.00	ug/L
95-48-7	2-Methylphenol	46.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.2		1.10	10.0	ug/L
67-72-1	Hexachloroethane	42.4		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.3		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.9		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	44.8		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.6		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.1		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	44.5		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	81.7	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		23 - 138	84%	SPK: 150
13127-88-3	Phenol-d6	128		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.4		67 - 132	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		52 - 132	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	84.5		42 - 152	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	395000	7.402			
1146-65-2	Naphthalene-d8	1600000	10.143			
15067-26-2	Acenaphthene-d10	1060000	14.043			
1517-22-2	Phenanthrene-d10	2170000	16.878			
1719-03-5	Chrysene-d12	2290000	21.301			
1520-96-3	Perylene-d12	2660000	24.418			

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.			Date Collected:	
Project:	NYPA			Date Received:	
Client Sample ID:	PB169045BS			SDG No.:	Q2681
Lab Sample ID:	PB169045BS			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025263.D	1	07/29/25 09:44	07/29/25 15:57	PB169045

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBONMS	SDG No.:	Q2681
Lab Sample ID:	Q2681-01MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025268.D	1	07/29/25 09:44	07/29/25 19:30	PB169045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	340		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	400		5.30	50.0	ug/L
95-48-7	2-Methylphenol	420		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.0	100	ug/L
67-72-1	Hexachloroethane	400		6.50	50.0	ug/L
98-95-3	Nitrobenzene	440		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	400		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	460		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	460		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	490		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	450		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	820	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		23 - 138	77%	SPK: 150
13127-88-3	Phenol-d6	107		10 - 134	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.7		52 - 132	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	85.8		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	411000	7.402			
1146-65-2	Naphthalene-d8	1580000	10.131			
15067-26-2	Acenaphthene-d10	1000000	14.048			
1517-22-2	Phenanthrene-d10	2000000	16.86			
1719-03-5	Chrysene-d12	2130000	21.301			
1520-96-3	Perylene-d12	2530000	24.407			

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBONMS	SDG No.:	Q2681
Lab Sample ID:	Q2681-01MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025268.D	1	07/29/25 09:44	07/29/25 19:30	PB169045

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBONMSD	SDG No.:	Q2681
Lab Sample ID:	Q2681-01MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025269.D	1	07/29/25 09:44	07/29/25 20:12	PB169045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	350		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	400		5.30	50.0	ug/L
95-48-7	2-Methylphenol	430		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	420		11.0	100	ug/L
67-72-1	Hexachloroethane	400		6.50	50.0	ug/L
98-95-3	Nitrobenzene	460		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	470		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	500		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	460		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	860	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		23 - 138	79%	SPK: 150
13127-88-3	Phenol-d6	109		10 - 134	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.3		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.7		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	86.2		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	384000	7.396			
1146-65-2	Naphthalene-d8	1460000	10.137			
15067-26-2	Acenaphthene-d10	919000	14.048			
1517-22-2	Phenanthrene-d10	1870000	16.86			
1719-03-5	Chrysene-d12	2040000	21.301			
1520-96-3	Perylene-d12	2450000	24.413			

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBONMSD	SDG No.:	Q2681
Lab Sample ID:	Q2681-01MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025269.D	1	07/29/25 09:44	07/29/25 20:12	PB169045

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-BP072125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 22 02:55:21 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025196.D 5 =BP025197.D 10 =BP025198.D 20 =BP025199.D 40 =BP025200.D 50 =BP025201.D 60 =BP025202.D 80 =BP0252
03.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.465	0.448	0.444	0.428	0.465	0.439	0.417	0.444	4.00
3)		Pyridine		1.216	1.139	1.178	1.166	1.258	1.199	1.155	1.188	3.42
4)		n-Nitrosodimet...			0.443	0.468	0.468	0.502	0.481	0.463	0.471	4.16
5)	S	2-Fluorophenol		1.225	1.157	1.200	1.163	1.241	1.183	1.117	1.184	3.58
6)		Aniline		1.917	1.817	1.913	1.926	2.037	1.940	1.864	1.916	3.55
7)	S	Phenol-d6		1.475	1.426	1.477	1.468	1.544	1.473	1.399	1.466	3.11
8)		2-Chlorophenol		1.343	1.287	1.346	1.338	1.421	1.365	1.301	1.343	3.27
9)		Benzaldehyde			0.925	0.954	1.109	1.237	0.994	0.745	0.994	16.85
10)	C	Phenol		1.528	1.464	1.521	1.519	1.613	1.531	1.466	1.520	3.29
11)		bis(2-Chloroet...		1.181	1.125	1.157	1.164	1.243	1.170	1.118	1.166	3.54
12)		1,3-Dichlorobe...		1.563	1.492	1.514	1.493	1.579	1.502	1.429	1.510	3.31
13)	C	1,4-Dichlorobe...		1.574	1.496	1.532	1.506	1.603	1.514	1.447	1.525	3.39
14)		1,2-Dichlorobe...		1.534	1.420	1.461	1.451	1.542	1.456	1.401	1.467	3.65
15)		Benzyl Alcohol			1.000	1.051	1.063	1.123	1.077	1.031	1.057	3.95
16)		2,2'-oxybis(1-...		1.518	1.433	1.497	1.487	1.595	1.483	1.426	1.491	3.79
17)		2-Methylphenol		1.045	1.003	1.053	1.058	1.130	1.065	1.025	1.054	3.77
18)		Hexachloroethane		0.529	0.510	0.517	0.520	0.557	0.530	0.507	0.524	3.19
19)	P	n-Nitroso-di-n...	0.864	0.909	0.837	0.899	0.888	0.949	0.881	0.830	0.882	4.41
20)		3+4-Methylphenols			1.354	1.436	1.440	1.549	1.462	1.386	1.438	4.68
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.479	0.468	0.482	0.450	0.490	0.463	0.427	0.465	4.67
23)	S	Nitrobenzene-d5		0.368	0.355	0.369	0.352	0.380	0.363	0.332	0.360	4.24
24)		Nitrobenzene		0.322	0.317	0.326	0.314	0.338	0.325	0.304	0.321	3.34
25)		Isophorone		0.649	0.613	0.647	0.622	0.663	0.635	0.600	0.633	3.51
26)	C	2-Nitrophenol		0.173	0.169	0.183	0.183	0.201	0.194	0.186	0.184	6.05
27)		2,4-Dimethylph...		0.306	0.300	0.312	0.303	0.328	0.314	0.295	0.308	3.53
28)		bis(2-Chloroet...		0.408	0.391	0.406	0.383	0.417	0.399	0.367	0.396	4.34
29)	C	2,4-Dichloroph...		0.314	0.305	0.320	0.313	0.336	0.322	0.306	0.317	3.35
30)		1,2,4-Trichlor...		0.359	0.345	0.349	0.334	0.361	0.347	0.326	0.346	3.58
31)		Naphthalene		1.078	1.018	1.046	0.996	1.070	1.016	0.941	1.023	4.61
32)		Benzoic acid			0.182	0.226	0.235	0.262	0.258	0.249	0.235	12.48
33)		4-Chloroaniline		0.456	0.437	0.456	0.438	0.475	0.462	0.426	0.450	3.75
34)	C	Hexachlorobuta...		0.213	0.205	0.211	0.203	0.217	0.211	0.197	0.208	3.33
35)		Caprolactam			0.099	0.107	0.101	0.112	0.109	0.103	0.105	4.63
36)	C	4-Chloro-3-met...		0.313	0.311	0.322	0.307	0.333	0.324	0.306	0.317	3.23
37)		2-Methylnaphth...		0.687	0.659	0.681	0.646	0.696	0.664	0.620	0.665	3.95
38)		1-Methylnaphth...		0.733	0.692	0.714	0.681	0.732	0.695	0.639	0.698	4.70

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.611	0.588	0.601	0.590	0.639	0.597	0.571	0.599	3.54
41)	P	Hexachlorocycl...			0.288	0.329	0.354	0.403	0.392	0.381	0.358	12.18
42)	S	2,4,6-Tribromo...	0.297	0.288	0.298	0.288	0.316	0.296	0.281	0.295	3.77
43)	C	2,4,6-Trichlor...	0.391	0.394	0.412	0.408	0.442	0.416	0.405	0.410	4.09
44)		2,4,5-Trichlor...	0.437	0.438	0.452	0.450	0.478	0.459	0.441	0.451	3.25
45)	S	2-Fluorobiphenyl	1.616	1.525	1.525	1.401	1.486	1.252	1.125	1.419	12.22
46)		1,1'-Biphenyl	1.523	1.474	1.469	1.426	1.502	1.418	1.336	1.450	4.32
47)		2-Chloronaphth...	1.176	1.144	1.126	1.104	1.178	1.123	1.072	1.132	3.37
48)		2-Nitroaniline	0.267	0.274	0.290	0.287	0.319	0.297	0.290	0.289	5.72
49)		Acenaphthylene	1.890	1.843	1.893	1.809	1.958	1.802	1.620	1.831	5.88
50)		Dimethylphthalate	1.515	1.438	1.457	1.378	1.508	1.401	1.315	1.430	5.01
51)		2,6-Dinitrotol...	0.292	0.295	0.312	0.310	0.335	0.321	0.310	0.311	4.80
52)	C	Acenaphthene	1.108	1.069	1.077	1.030	1.127	1.032	0.968	1.059	5.08
53)		3-Nitroaniline	0.328	0.337	0.352	0.342	0.384	0.360	0.350	0.350	5.15
54)	P	2,4-Dinitrophenol			0.133	0.167	0.181	0.211	0.207	0.205	0.184	16.39
55)		Dibenzofuran	1.831	1.721	1.749	1.676	1.784	1.658	1.550	1.710	5.40
56)	P	4-Nitrophenol			0.277	0.299	0.289	0.323	0.313	0.298	0.300	5.57
57)		2,4-Dinitrotol...	0.395	0.402	0.439	0.434	0.482	0.457	0.437	0.435	6.88
58)		Fluorene	1.467	1.383	1.399	1.327	1.413	1.294	1.221	1.358	6.10
59)		2,3,4,6-Tetrac...	0.397	0.380	0.402	0.391	0.427	0.406	0.390	0.399	3.75
60)		Diethylphthalate	1.490	1.408	1.428	1.379	1.504	1.377	1.282	1.410	5.34
61)		4-Chlorophenyl...	0.742	0.707	0.697	0.673	0.704	0.657	0.623	0.686	5.66
62)		4-Nitroaniline	0.335	0.339	0.367	0.346	0.389	0.366	0.353	0.356	5.28
63)		Azobenzene	1.159	1.123	1.169	1.121	1.219	1.156	1.095	1.149	3.53
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...			0.101	0.123	0.132	0.145	0.138	0.136	0.129	12.09
66)	c	n-Nitrosodiphe...	0.637	0.617	0.625	0.601	0.634	0.596	0.539	0.607	5.56
67)		4-Bromophenyl-...	0.234	0.231	0.233	0.233	0.248	0.235	0.220	0.233	3.51
68)		Hexachlorobenzene	0.282	0.275	0.281	0.280	0.289	0.276	0.257	0.277	3.70
69)		Atrazine	0.222	0.223	0.230	0.221	0.239	0.226	0.212	0.225	3.79
70)	C	Pentachlorophenol			0.170	0.187	0.190	0.203	0.196	0.185	0.188	5.87
71)		Phenanthrene	1.158	1.116	1.115	1.070	1.112	1.047	0.932	1.079	6.85
72)		Anthracene	1.140	1.130	1.142	1.083	1.161	1.065	0.885	1.087	8.77
73)		Carbazole	1.095	1.071	1.086	1.029	1.101	1.004	0.875	1.037	7.70
74)		Di-n-butylphth...	1.264	1.248	1.288	1.211	1.300	1.145	0.923	1.197	11.01
75)	C	Fluoranthene	1.350	1.343	1.337	1.252	1.306	1.185	1.114	1.270	7.15
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine			0.711	0.783	0.846	0.716	0.626	0.531	0.702	15.92
78)		Pyrene	1.316	1.229	1.273	1.258	1.279	1.187	1.090	1.233	6.09
79)	S	Terphenyl-d14	1.209	1.162	1.127	0.890	0.967	0.724		1.013	18.40
80)		Butylbenzylpht...	0.558	0.536	0.560	0.564	0.587	0.566	0.537	0.558	3.17
81)		Benzo(a)anthra...	1.339	1.289	1.311	1.244	1.322	1.221	1.115	1.263	6.14
82)		3,3'-Dichlorob...			0.524	0.550	0.509	0.550	0.525	0.483	0.524	4.89
83)		Chrysene	1.254	1.202	1.215	1.159	1.236	1.147	1.040	1.179	6.13
84)		Bis(2-ethylhex...	0.828	0.801	0.817	0.802	0.840	0.780	0.719	0.798	5.02
85)	c	Di-n-octyl pht...			1.368	1.457	1.384	1.492	1.354	1.214	1.378	7.01

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.498	1.428	1.461	1.426	1.540	1.460	1.417	1.462	3.02
88)		Benzo(b)fluora...	1.200	1.164	1.149	1.132	1.187	1.123	1.059	1.145	4.11
89)		Benzo(k)fluora...	1.191	1.117	1.148	1.134	1.201	1.118	1.003	1.130	5.77
90)	C	Benzo(a)pyrene	1.144	1.099	1.131	1.103	1.183	1.108	1.050	1.117	3.73
91)		Dibenzo(a,h)an...	1.216	1.181	1.205	1.175	1.251	1.190	1.128	1.192	3.20
92)		Benzo(g,h,i)pe...	1.211	1.141	1.178	1.150	1.226	1.163	1.135	1.172	2.99

(#) = 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: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q2681

Instrument ID: BNA_P Calibration Date/Time: 07/29/2025 14:34

Lab File ID: BP025261.D Init. Calib. Date(s): 07/21/2025 07/21/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:25 19:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.188	1.160		-2.4	
2-Fluorophenol	1.184	1.176		-0.7	
Phenol-d6	1.466	1.523		3.9	
1,4-Dichlorobenzene	1.525	1.509		-1.0	20.0
2-Methylphenol	1.054	1.099		4.3	
3+4-Methylphenols	1.438	1.459		1.5	
Nitrobenzene-d5	0.360	0.366		1.7	
Hexachloroethane	0.524	0.518		-1.1	
Nitrobenzene	0.321	0.328		2.2	
Hexachlorobutadiene	0.208	0.201		-3.4	20.0
2,4,6-Trichlorophenol	0.410	0.399		-2.7	20.0
2-Fluorobiphenyl	1.419	1.451		2.3	
2,4,5-Trichlorophenol	0.451	0.437		-3.1	
2,4-Dinitrotoluene	0.435	0.444		2.1	
2,4,6-Tribromophenol	0.295	0.277		-6.1	
Hexachlorobenzene	0.277	0.267		-3.6	
Pentachlorophenol	0.188	0.204		8.5	20.0
Terphenyl-d14	1.013	1.013		0.0	

All other compounds must meet a minimum RRF of 0.010.