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

LAB CHRONICLE

OrderID:	P4660	**OrderDate:**	10/31/2024 2:38:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-03	**WC-TA2-01-C**	**TCLP**			**10/30/24**			**10/31/24**
			TCLP BNA	8270E		11/05/24	11/05/24	
P4660-07	**WC-WOOD-01-C**	**TCLP**			**10/31/24**			**10/31/24**
			TCLP BNA	8270E		11/05/24	11/07/24	
P4660-11	**WC-CONCRETE-01-C**	**TCLP**			**10/31/24**			**10/31/24**
			TCLP BNA	8270E		11/05/24	11/06/24	

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Hit Summary Sheet
SW-846

SDG No.: P4660

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**WC-WOOD-01-C**							
P4660-07	WC-WOOD-01-C	TCLP	2-Methylphenol	20.700	J	11.3	50	ug/L
			Total Svoc :	**20.70**				
			Total Concentration:	**20.70**				

SAMPLE DATA

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Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-03	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101488.D	1	11/05/24 08:54	11/05/24 20:27	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	164		15 (10) - 110 (139)	110%	SPK: 150
13127-88-3	Phenol-d6	151		15 (10) - 110 (134)	101%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (48) - 130 (125)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57300	7.57			
1146-65-2	Naphthalene-d8	246000	10.338			
15067-26-2	Acenaphthene-d10	174000	14.18			
1517-22-2	Phenanthrene-d10	416000	16.912			
1719-03-5	Chrysene-d12	485000	21.072			
1520-96-3	Perylene-d12	619000	23.363			

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Report of Analysis

Client:	ENTACT			Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C			SDG No.:	P4660
Lab Sample ID:	P4660-03			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101488.D	1	11/05/24 08:54	11/05/24 20:27	PB164561

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:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-07	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101516.D	1	11/05/24 08:54	11/07/24 03:38	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	20.7	J	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	160		15 (10) - 110 (139)	107%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.3		30 (52) - 130 (132)	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	173	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	94.6		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43700	7.558			
1146-65-2	Naphthalene-d8	201000	10.325			
15067-26-2	Acenaphthene-d10	142000	14.168			
1517-22-2	Phenanthrene-d10	365000	16.906			
1719-03-5	Chrysene-d12	491000	21.066			
1520-96-3	Perylene-d12	503000	23.346			

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Report of Analysis

Client:	ENTACT			Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C			SDG No.:	P4660
Lab Sample ID:	P4660-07			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101516.D	1	11/05/24 08:54	11/07/24 03:38	PB164561

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:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101507.D	1	11/05/24 08:54	11/06/24 22:15	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	176	*	15 (10) - 110 (139)	117%	SPK: 150
13127-88-3	Phenol-d6	153		15 (10) - 110 (134)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		30 (49) - 130 (133)	118%	SPK: 100
321-60-8	2-Fluorobiphenyl	111		30 (52) - 130 (132)	111%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	121%	SPK: 150
1718-51-0	Terphenyl-d14	86.8		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47000	7.559			
1146-65-2	Naphthalene-d8	200000	10.332			
15067-26-2	Acenaphthene-d10	139000	14.169			
1517-22-2	Phenanthrene-d10	336000	16.907			
1719-03-5	Chrysene-d12	438000	21.066			
1520-96-3	Perylene-d12	583000	23.352			

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Report of Analysis

Client:	ENTACT			Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C			SDG No.:	P4660
Lab Sample ID:	P4660-11			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101507.D	1	11/05/24 08:54	11/06/24 22:15	PB164561

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:	ENTACT	Date Collected:	11/05/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/05/24
Client Sample ID:	PB164561TB	SDG No.:	P4660
Lab Sample ID:	PB164561TB	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101505.D	1	11/05/24 08:54	11/06/24 21:04	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	157		15 (10) - 110 (139)	104%	SPK: 150
13127-88-3	Phenol-d6	142		15 (10) - 110 (134)	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.6		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	97.6		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53900	7.565			
1146-65-2	Naphthalene-d8	224000	10.326			
15067-26-2	Acenaphthene-d10	147000	14.169			
1517-22-2	Phenanthrene-d10	335000	16.907			
1719-03-5	Chrysene-d12	421000	21.067			
1520-96-3	Perylene-d12	610000	23.352			

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Report of Analysis

Client:	ENTACT			Date Collected:	11/05/24
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	11/05/24
Client Sample ID:	PB164561TB			SDG No.:	P4660
Lab Sample ID:	PB164561TB			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101505.D	1	11/05/24 08:54	11/06/24 21:04	PB164561

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

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

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4640-04MS	MH-3MS	2-Fluorophenol	150	141	94		15 (10)	110 (139)
		Phenol-d6	150	128	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.9	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.2	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	95.6	96		30 (48)	130 (125)
P4640-04MSD	MH-3MSD	2-Fluorophenol	150	150	100		15 (10)	110 (139)
		Phenol-d6	150	138	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.4	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	146	98		15 (44)	110 (137)
		Terphenyl-d14	100	97.8	98		30 (48)	130 (125)
P4660-03	WC-TA2-01-C	2-Fluorophenol	150	164	110		15 (10)	110 (139)
		Phenol-d6	150	151	101		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	106	106		30 (48)	130 (125)
P4660-07	WC-WOOD-01-C	2-Fluorophenol	150	160	107		15 (10)	110 (139)
		Phenol-d6	150	146	98		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.3	99		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	173	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	94.6	95		30 (48)	130 (125)
P4660-11	WC-CONCRETE-01-C	2-Fluorophenol	150	176	117	*	15 (10)	110 (139)
		Phenol-d6	150	153	102		15 (10)	110 (134)
		Nitrobenzene-d5	100	118	118		30 (49)	130 (133)
		2-Fluorobiphenyl	100	111	111		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	121	*	15 (44)	110 (137)
		Terphenyl-d14	100	86.8	87		30 (48)	130 (125)
PB164561BL	PB164561BL	2-Fluorophenol	150	162	108		15 (10)	110 (139)
		Phenol-d6	150	146	97		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB164561BS	PB164561BS	2-Fluorophenol	150	147	98		15 (10)	110 (139)
		Phenol-d6	150	136	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.0	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.3	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	131	88		15 (44)	110 (137)
		Terphenyl-d14	100	94.2	94		30 (48)	130 (125)
PB164561TB	PB164561TB	2-Fluorophenol	150	157	104		15 (10)	110 (139)
		Phenol-d6	150	142	95		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.6	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	97.6	98		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4640-04MS		**Client Sample ID: MH-3MS**						**DataFile: BE101481.D**			
Pyridine	500	0	260	ug/L	52				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	260	ug/L	52	*			70 (55)	130 (125)	
2-Methylphenol	500	0	400	ug/L	80				70 (37)	130 (126)	
3+4-Methylphenols	500	0	410	ug/L	82				20 (31)	160 (127)	
Hexachloroethane	500	0	260	ug/L	52				20 (49)	160 (110)	
Nitrobenzene	500	0	370	ug/L	74				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	330	ug/L	66	*			70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	500	ug/L	100				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	480	ug/L	96				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	460	ug/L	92				70 (50)	130 (142)	
Hexachlorobenzene	500	0	470	ug/L	94				70 (72)	130 (115)	
Pentachlorophenol	1000	0	990	ug/L	99				20 (25)	160 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: P4640-04MSD		**Client Sample ID:** MH-3MSD						**DataFile:** BE101482.D			
Pyridine	500	0	270	ug/L	54		4		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	260	ug/L	52	*	0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	440	ug/L	88		10		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	450	ug/L	90		9		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	270	ug/L	54		4		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	390	ug/L	78		5		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	340	ug/L	68	*	3		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	530	ug/L	106		6		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	510	ug/L	102		6		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	480	ug/L	96		4		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	490	ug/L	98		4		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1000	ug/L	100		1		20 (25)	160 (139)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8270E **DataFile:** BE101506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164561BS	Pyridine	50	37.3	ug/L	75				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	45.0	ug/L	90				70 (76)	130 (103)	
	2-Methylphenol	50	47.4	ug/L	95				70 (69)	130 (109)	
	3+4-Methylphenols	50	47.2	ug/L	94				20 (67)	160 (106)	
	Hexachloroethane	50	44.9	ug/L	90				20 (76)	160 (118)	
	Nitrobenzene	50	44.8	ug/L	90				70 (58)	130 (106)	
	Hexachlorobutadiene	50	44.2	ug/L	88				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	49.4	ug/L	99				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.5	ug/L	95				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	44.0	ug/L	88				70 (60)	130 (115)	
	Hexachlorobenzene	50	46.9	ug/L	94				70 (73)	130 (106)	
	Pentachlorophenol	100	98.3	ug/L	98				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164561BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101502.D Lab Sample ID: PB164561BL

Instrument ID: BNA_E Date Extracted: 11/05/2024

Matrix: (soil/water) water Date Analyzed: 11/06/2024

Level: (low/med) LOW Time Analyzed: 19:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-CONCRETE-01-C	P4660-11	BE101507.D	11/06/2024
WC-WOOD-01-C	P4660-07	BE101516.D	11/07/2024
PB164561TB	PB164561TB	BE101505.D	11/06/2024
PB164561BS	PB164561BS	BE101506.D	11/06/2024
MH-3MS	P4640-04MS	BE101481.D	11/05/2024
MH-3MSD	P4640-04MSD	BE101482.D	11/05/2024
WC-TA2-01-C	P4660-03	BE101488.D	11/05/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101388.D DFTPP Injection Date: 10/28/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	17.8
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	18.3
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	27.1
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	4
275	10.0 - 60.0% of mass 198	20
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.1 (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
SSTDICC2.5	SSTDICC2.5	BE101389.D	10/28/2024	11:44
SSTDICC005	SSTDICC005	BE101390.D	10/28/2024	12:23
SSTDICC010	SSTDICC010	BE101391.D	10/28/2024	12:59
SSTDICC020	SSTDICC020	BE101392.D	10/28/2024	13:35
SSTDICCC040	SSTDICCC040	BE101393.D	10/28/2024	14:11
SSTDICC050	SSTDICC050	BE101394.D	10/28/2024	14:49
SSTDICC060	SSTDICC060	BE101395.D	10/28/2024	15:25
SSTDICC080	SSTDICC080	BE101396.D	10/28/2024	16:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101471.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14
68	Less than 2.0% of mass 69	0.2 (1.5) 1
69	Mass 69 relative abundance	15.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
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	3.4
275	10.0 - 60.0% of mass 198	17.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BE101472.D	11/05/2024	10:48
MH-3MS	P4640-04MS	BE101481.D	11/05/2024	16:16
MH-3MSD	P4640-04MSD	BE101482.D	11/05/2024	16:52
WC-TA2-01-C	P4660-03	BE101488.D	11/05/2024	20:27

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101491.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
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	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02
PB164561BL	PB164561BL	BE101502.D	11/06/2024	19:16

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101503.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 19:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	15.4
68	Less than 2.0% of mass 69	0.1 (0.9) 1
69	Mass 69 relative abundance	16.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.4
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101504.D	11/06/2024	20:28
PB164561TB	PB164561TB	BE101505.D	11/06/2024	21:04
PB164561BS	PB164561BS	BE101506.D	11/06/2024	21:40
WC-CONCRETE-01-C	P4660-11	BE101507.D	11/06/2024	22:15
WC-WOOD-01-C	P4660-07	BE101516.D	11/07/2024	03:38

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	77150	7.57	373279	10.34	260925	14.18
	UPPER LIMIT	154300	8.07	746558	10.838	521850	14.68
	LOWER LIMIT	38575	7.07	186640	9.838	130463	13.68
	EPA SAMPLE NO.						
01	MH-3MS	74749	7.57	324674	10.34	214275	14.18
02	MH-3MSD	70903	7.57	316494	10.34	211098	14.18
03	WC-TA2-01-C	57343	7.57	245737	10.34	174187	14.18

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.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	585617	16.918	614200	21.084	775519	23.369
	UPPER LIMIT	1171230	17.418	1228400	21.584	1551040	23.869
	LOWER LIMIT	292809	16.418	307100	20.584	387760	22.869
	EPA SAMPLE NO.						
01	MH-3MS	468131	16.92	544407	21.08	697857	23.37
02	MH-3MSD	458730	16.92	529239	21.08	687004	23.37
03	WC-TA2-01-C	416458	16.91	485314	21.07	618963	23.36

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.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101497.D Time Analyzed: 16:14

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	65428	7.563	303330	10.33	215457	14.17
	UPPER LIMIT	130856	8.063	606660	10.831	430914	14.673
	LOWER LIMIT	32714	7.063	151665	9.831	107729	13.673
	EPA SAMPLE NO.						
01	PB164561BL	49754	7.56	204369	10.33	133519	14.17

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.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101497.D Time Analyzed: 16:14

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	491742	16.911	550275	21.077	716867	23.357
	UPPER LIMIT	983484	17.411	1100550	21.577	1433730	23.857
	LOWER LIMIT	245871	16.411	275138	20.577	358434	22.857
	EPA SAMPLE NO.						
01	PB164561BL	306761	16.91	392502	21.07	573520	23.35

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.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101504.D Time Analyzed: 20:28

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	70453	7.559	326960	10.33	230956	14.18
	UPPER LIMIT	140906	8.059	653920	10.832	461912	14.675
	LOWER LIMIT	35226.5	7.059	163480	9.832	115478	13.675
	EPA SAMPLE NO.						
01	PB164561BS	49257	7.56	217361	10.33	139774	14.17
02	PB164561TB	53927	7.57	223555	10.33	146954	14.17
03	WC-CONCRETE-01-C	46975	7.56	200241	10.33	139072	14.17
04	WC-WOOD-01-C	43720	7.56	200694	10.33	141864	14.17

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.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101504.D Time Analyzed: 20:28

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	529782	16.913	603519	21.072	779379	23.358
	UPPER LIMIT	1059560	17.413	1207040	21.572	1558760	23.858
	LOWER LIMIT	264891	16.413	301760	20.572	389690	22.858
	EPA SAMPLE NO.						
01	PB164561BS	295636	16.91	377795	21.07	554255	23.35
02	PB164561TB	335497	16.91	420702	21.07	609595	23.35
03	WC-CONCRETE-01-C	335687	16.91	438455	21.07	582677	23.35
04	WC-WOOD-01-C	364933	16.91	491415	21.07	502658	23.35

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

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164561BL	SDG No.:	P4660
Lab Sample ID:	PB164561BL	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101502.D	1	11/05/24 08:54	11/06/24 19:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	162		15 (10) - 110 (139)	108%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49800	7.564			
1146-65-2	Naphthalene-d8	204000	10.331			
15067-26-2	Acenaphthene-d10	134000	14.174			
1517-22-2	Phenanthrene-d10	307000	16.906			
1719-03-5	Chrysene-d12	393000	21.066			
1520-96-3	Perylene-d12	574000	23.351			

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Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	PB164561BL			SDG No.:	P4660
Lab Sample ID:	PB164561BL			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101502.D	1	11/05/24 08:54	11/06/24 19:16	PB164561

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:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB164561BS	SDG No.:	P4660
Lab Sample ID:	PB164561BS	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101506.D	1	11/05/24 08:54	11/06/24 21:40	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.3		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.0		0.84	5.00	ug/L
95-48-7	2-Methylphenol	47.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.2		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	49.4		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.0		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	46.9		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	98.3	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	147		15 (10) - 110 (139)	98%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.0		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.3		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	94.2		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49300	7.559			
1146-65-2	Naphthalene-d8	217000	10.326			
15067-26-2	Acenaphthene-d10	140000	14.169			
1517-22-2	Phenanthrene-d10	296000	16.907			
1719-03-5	Chrysene-d12	378000	21.072			
1520-96-3	Perylene-d12	554000	23.352			

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Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	PB164561BS			SDG No.:	P4660
Lab Sample ID:	PB164561BS			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101506.D	1	11/05/24 08:54	11/06/24 21:40	PB164561

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:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/30/24
Client Sample ID:	MH-3MS	SDG No.:	P4660
Lab Sample ID:	P4640-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101481.D	1	11/05/24 08:54	11/05/24 16:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	260		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	260		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	100	ug/L
67-72-1	Hexachloroethane	260		10.1	50.0	ug/L
98-95-3	Nitrobenzene	370		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	330		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	500		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	460		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.2		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	95.6		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74700	7.571			
1146-65-2	Naphthalene-d8	325000	10.339			
15067-26-2	Acenaphthene-d10	214000	14.181			
1517-22-2	Phenanthrene-d10	468000	16.919			
1719-03-5	Chrysene-d12	544000	21.079			
1520-96-3	Perylene-d12	698000	23.37			

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Report of Analysis

Client:	ENTACT			Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	10/30/24
Client Sample ID:	MH-3MS			SDG No.:	P4660
Lab Sample ID:	P4640-04MS			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101481.D	1	11/05/24 08:54	11/05/24 16:16	PB164561

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:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/30/24
Client Sample ID:	MH-3MSD	SDG No.:	P4660
Lab Sample ID:	P4640-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% 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
BE101482.D	1	11/05/24 08:54	11/05/24 16:52	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	270		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	260		8.40	50.0	ug/L
95-48-7	2-Methylphenol	440		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	450		11.5	100	ug/L
67-72-1	Hexachloroethane	270		10.1	50.0	ug/L
98-95-3	Nitrobenzene	390		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	340		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	530		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	150		15 (10) - 110 (139)	100%	SPK: 150
13127-88-3	Phenol-d6	138		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.4		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	97.8		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70900	7.571			
1146-65-2	Naphthalene-d8	316000	10.338			
15067-26-2	Acenaphthene-d10	211000	14.181			
1517-22-2	Phenanthrene-d10	459000	16.918			
1719-03-5	Chrysene-d12	529000	21.084			
1520-96-3	Perylene-d12	687000	23.37			

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Report of Analysis

Client:	ENTACT			Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	10/30/24
Client Sample ID:	MH-3MSD			SDG No.:	P4660
Lab Sample ID:	P4640-04MSD			Matrix:	TCLP
Analytical Method:	SW8270			% 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
BE101482.D	1	11/05/24 08:54	11/05/24 16:52	PB164561

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_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101389.D 5 =BE101390.D 10 =BE101391.D 20 =BE101392.D 40 =BE101393.D 50 =BE101394.D 60 =BE101395.D 80 =BE101396.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.471	0.463	0.454	0.421	0.400	0.392	0.379	0.426	8.76
3)		Pyridine		1.064	1.123	1.255	1.196	1.252	1.287	1.252	1.204	6.80
4)		n-Nitrosodimet...		0.459	0.440	0.454	0.479	0.473	0.488	0.468	0.466	3.45
5)	S	2-Fluorophenol		1.134	1.073	1.142	1.153	1.143	1.187	1.155	1.141	3.03
6)		Aniline		1.059	1.262	1.529	1.346	1.301	1.224	0.767	1.213	19.92
7)	S	Phenol-d6		1.450	1.475	1.558	1.629	1.594	1.727	1.643	1.582	6.15
8)		2-Chlorophenol		1.335	1.305	1.371	1.403	1.369	1.426	1.371	1.369	2.94
9)		Benzaldehyde		0.793	0.849	0.861	0.807	0.678	0.595		0.764	13.74
10)	C	Phenol		1.488	1.456	1.766	1.826	1.797	1.914	1.769	1.717	10.16
11)		bis(2-Chloroet...		1.513	1.401	1.245	1.477	1.322	1.408	1.492	1.408	6.93
12)		1,3-Dichlorobe...		1.563	1.523	1.508	1.488	1.424	1.443	1.382	1.476	4.25
13)	C	1,4-Dichlorobe...		1.624	1.534	1.546	1.505	1.447	1.484	1.409	1.507	4.66
14)		1,2-Dichlorobe...		1.553	1.488	1.502	1.490	1.433	1.472	1.388	1.475	3.56
15)		Benzyl Alcohol		0.704	0.797	0.979	1.061	1.013	1.059	0.990	0.943	14.61
16)		2,2'-oxybis(1-...		1.840	1.857	1.816	1.794	1.711	1.746	1.642	1.772	4.33
17)		2-Methylphenol		1.038	1.078	1.142	1.217	1.181	1.263	1.215	1.162	6.96
18)		Hexachloroethane		0.497	0.486	0.492	0.497	0.495	0.496	0.481	0.492	1.28
19)	P	n-Nitroso-di-n...	0.807	0.900	1.060	1.081	1.150	1.115	1.185	1.102	1.050	12.35
20)		3+4-Methylphenols		1.364	1.500	1.580	1.685	1.646	1.778	1.674	1.604	8.53
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.427	0.447	0.467	0.481	0.449	0.462	0.446	0.454	3.79
23)	S	Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.331	0.316	0.318	4.78
24)		Nitrobenzene		0.315	0.325	0.349	0.355	0.339	0.350	0.339	0.339	4.26
25)		Isophorone		0.533	0.601	0.624	0.665	0.639	0.655	0.632	0.621	7.13
26)	C	2-Nitrophenol		0.127	0.141	0.162	0.179	0.175	0.182	0.181	0.164	13.41
27)		2,4-Dimethylph...		0.196	0.194	0.207	0.215	0.206	0.215	0.211	0.206	4.19
28)		bis(2-Chloroet...		0.351	0.378	0.388	0.392	0.374	0.385	0.370	0.377	3.65
29)	C	2,4-Dichloroph...		0.257	0.268	0.285	0.297	0.287	0.305	0.297	0.285	6.00
30)		1,2,4-Trichlor...		0.325	0.311	0.315	0.314	0.304	0.307	0.299	0.311	2.71
31)		Naphthalene		1.092	1.040	1.039	1.045	0.982	0.999	0.936	1.019	5.00
32)		Benzoic acid			0.091	0.145	0.196	0.203	0.223	0.234	0.182	29.71
33)		4-Chloroaniline		0.321	0.355	0.373	0.398	0.364	0.365	0.305	0.354	8.87
34)	C	Hexachlorobuta...		0.193	0.185	0.187	0.187	0.179	0.180	0.176	0.184	3.26
35)		Caprolactam		0.077	0.093	0.109	0.119	0.118	0.126	0.124	0.109	16.48
36)	C	4-Chloro-3-met...		0.277	0.314	0.321	0.341	0.330	0.347	0.343	0.325	7.51
37)		2-Methylnaphth...		0.753	0.752	0.736	0.756	0.711	0.736	0.696	0.734	3.12
38)		1-Methylnaphth...		0.750	0.756	0.735	0.751	0.709	0.733	0.696	0.733	3.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.493	0.515	0.512	0.491	0.499	0.481	0.502	2.96
41)	P	Hexachlorocycl...	0.153	0.150	0.179	0.177	0.173	0.168	0.162	0.166	6.85
42)	S	2,4,6-Tribromo...	0.329	0.341	0.358	0.366	0.355	0.359	0.346	0.351	3.59
43)	C	2,4,6-Trichlor...	0.310	0.325	0.352	0.369	0.353	0.360	0.353	0.346	6.01
44)		2,4,5-Trichlor...	0.356	0.372	0.401	0.415	0.402	0.418	0.411	0.396	5.93
45)	S	2-Fluorobiphenyl	1.359	1.275	1.283	1.226	1.114	1.072	0.938	1.181	12.39
46)		1,1'-Biphenyl	1.477	1.399	1.431	1.408	1.326	1.326	1.224	1.370	6.15
47)		2-Chloronaphth...	1.159	1.091	1.112	1.098	1.054	1.060	1.002	1.083	4.60
48)		2-Nitroaniline	0.214	0.243	0.295	0.318	0.318	0.329	0.322	0.291	15.45
49)		Acenaphthylene	1.613	1.605	1.656	1.677	1.586	1.597	1.473	1.601	4.07
50)		Dimethylphthalate	1.446	1.469	1.459	1.449	1.378	1.383	1.298	1.412	4.38
51)		2,6-Dinitrotol...	0.284	0.309	0.331	0.345	0.333	0.346	0.334	0.326	6.77
52)	C	Acenaphthene	1.120	1.080	1.073	1.075	1.016	1.017	0.936	1.045	5.79
53)		3-Nitroaniline	0.266	0.296	0.342	0.357	0.347	0.345	0.315	0.324	10.25
54)	P	2,4-Dinitrophenol		0.125	0.177	0.208	0.219	0.230	0.231	0.198	20.84
55)		Dibenzofuran	1.828	1.739	1.721	1.695	1.604	1.608	1.468	1.666	7.02
56)	P	4-Nitrophenol		0.219	0.291	0.311	0.318	0.324	0.318	0.297	13.34
57)		2,4-Dinitrotol...	0.344	0.407	0.454	0.481	0.480	0.495	0.481	0.449	12.18
58)		Fluorene	1.490	1.450	1.446	1.453	1.354	1.342	1.222	1.394	6.71
59)		2,3,4,6-Tetrac...	0.345	0.355	0.368	0.382	0.367	0.378	0.369	0.366	3.48
60)		Diethylphthalate	1.499	1.532	1.560	1.535	1.456	1.427	1.327	1.477	5.47
61)		4-Chlorophenyl...	0.737	0.713	0.705	0.707	0.676	0.673	0.631	0.692	5.05
62)		4-Nitroaniline	0.267	0.316	0.374	0.391	0.393	0.394	0.389	0.361	13.79
63)		Azobenzene	1.280	1.309	1.331	1.319	1.248	1.245	1.154	1.269	4.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.086	0.108	0.123	0.125	0.131	0.133	0.118	15.15
66)	c	n-Nitrosodiphe...	0.542	0.548	0.545	0.553	0.516	0.520	0.489	0.530	4.33
67)		4-Bromophenyl-...	0.211	0.207	0.209	0.215	0.208	0.215	0.209	0.210	1.48
68)		Hexachlorobenzene	0.283	0.272	0.274	0.283	0.271	0.278	0.269	0.276	2.01
69)		Atrazine	0.182	0.179	0.160	0.184	0.109			0.163	19.39
70)	C	Pentachlorophenol	0.116	0.137	0.159	0.173	0.172	0.177	0.177	0.159	14.86
71)		Phenanthrene	1.068	1.023	1.012	0.991	0.912	0.896	0.801	0.958	9.62
72)		Anthracene	1.002	0.972	0.997	0.979	0.909	0.893	0.793	0.935	8.08
73)		Carbazole	1.010	0.987	1.033	0.995	0.939	0.914	0.820	0.957	7.62
74)		Di-n-butylphth...	1.018	1.088	1.221	1.136	1.058	0.985	0.867	1.053	10.73
75)	C	Fluoranthene	1.320	1.268	1.306	1.199	1.102	1.043	0.903	1.163	13.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.236	0.285	0.253	0.347	0.228	0.198	0.230	0.254	19.22
78)		Pyrene	1.176	1.206	1.184	1.174	1.052	1.016	0.890	1.100	10.69
79)	S	Terphenyl-d14	1.036	1.023	0.970	0.841	0.686	0.657		0.869	19.31
80)		Butylbenzylpht...	0.443	0.467	0.515	0.510	0.494	0.490	0.455	0.482	5.73
81)		Benzo(a)anthra...	1.277	1.238	1.243	1.174	1.047	1.010	0.879	1.124	13.18
82)		3,3'-Dichlorob...	0.404	0.438	0.470	0.481	0.450	0.444	0.396	0.440	7.11
83)		Chrysene	1.266	1.225	1.201	1.110	1.005	0.962	0.838	1.087	14.51
84)		Bis(2-ethylhex...	0.550	0.608	0.705	0.698	0.672	0.659	0.591	0.641	9.15
85)	c	Di-n-octyl pht...	0.987	1.057	1.209	1.137	1.053	1.032	0.883	1.051	9.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.390	1.352	1.390	1.394	1.315	1.315	1.214	1.338	4.83
88)		Benzo(b)fluora...	1.076	1.113	1.100	1.110	1.023	1.000	0.873	1.042	8.29
89)		Benzo(k)fluora...	1.126	1.042	1.087	1.015	0.897	0.875	0.774	0.974	13.13
90)	C	Benzo(a)pyrene	0.935	0.933	0.961	0.966	0.899	0.890	0.796	0.912	6.37
91)		Dibenzo(a,h)an...	1.130	1.125	1.169	1.170	1.089	1.083	0.977	1.106	6.00
92)		Benzo(g,h,i)pe...	1.162	1.130	1.155	1.179	1.125	1.152	1.075	1.140	2.98

(#) = Out of Range

Response Factor Report BNA_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE10150
0.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54
3)		Pyridine		1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53
4)		n-Nitrosodimet...		0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58
5)	S	2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99
6)		Aniline		1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52
7)	S	Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49
8)		2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30
9)		Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80
10)	C	Phenol		1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45
11)		bis(2-Chloroet...		1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03
12)		1,3-Dichlorobe...		1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74
13)	C	1,4-Dichlorobe...		1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89
14)		1,2-Dichlorobe...		1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20
15)		Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94
16)		2,2'-oxybis(1-...		1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41
17)		2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76
18)		Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95
19)	P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)		3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91
23)	S	Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46
24)		Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41
25)		Isophorone		0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98
26)	C	2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41
27)		2,4-Dimethylph...		0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83
28)		bis(2-Chloroet...		0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65
29)	C	2,4-Dichloroph...		0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35
30)		1,2,4-Trichlor...		0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63
31)		Naphthalene		1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58
32)		Benzoic acid			0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18
33)		4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65
34)	C	Hexachlorobuta...		0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95
35)		Caprolactam		0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09
36)	C	4-Chloro-3-met...		0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27
37)		2-Methylnaphth...		0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93
38)		1-Methylnaphth...		0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24
41)	P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72
42)	S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64
43)	C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21
44)		2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71
45)	S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52
46)		1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66
47)		2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49
48)		2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44
49)		Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62
50)		Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22
51)		2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23
52)	C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38
53)		3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67
54)	P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82
55)		Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20
56)	P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26
57)		2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99
58)		Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03
59)		2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53
60)		Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41
61)		4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12
62)		4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07
63)		Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97
66)	c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68
67)		4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85
68)		Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33
69)		Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70
70)	C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39
71)		Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87
72)		Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94
73)		Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00
74)		Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68
75)	C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17
78)		Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95
79)	S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44
80)		Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31
81)		Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47
82)		3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92
83)		Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06
84)		Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81
85)	c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)		Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)		Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90)	C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)		Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)		Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = 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: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/05/2024 10:48

Lab File ID: BE101472.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.204	1.211		0.6	
2-Fluorophenol	1.141	1.115		-2.3	
Phenol-d6	1.582	1.603		1.3	
1,4-Dichlorobenzene	1.507	1.451		-3.7	20.0
2-Methylphenol	1.162	1.145		-1.5	
3+4-Methylphenols	1.604	1.605		0.1	
Nitrobenzene-d5	0.318	0.318		0.0	
Hexachloroethane	0.492	0.495		0.6	
Nitrobenzene	0.339	0.335		-1.2	
Hexachlorobutadiene	0.184	0.190		3.3	20.0
2,4,6-Trichlorophenol	0.346	0.362		4.6	20.0
2-Fluorobiphenyl	1.181	1.226		3.8	
2,4,5-Trichlorophenol	0.396	0.411		3.8	
2,4-Dinitrotoluene	0.449	0.469		4.5	
2,4,6-Tribromophenol	0.351	0.367		4.6	
Hexachlorobenzene	0.276	0.285		3.3	
Pentachlorophenol	0.159	0.168		5.7	20.0
Terphenyl-d14	0.869	0.916		5.4	

All other compounds must meet a minimum RRF of 0.010.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/06/2024 16:14

Lab File ID: BE101497.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.154		-2.0	
2-Fluorophenol	1.131	1.101		-2.7	
Phenol-d6	1.551	1.540		-0.7	
1,4-Dichlorobenzene	1.482	1.444		-2.6	20.0
2-Methylphenol	1.093	1.113		1.8	
3+4-Methylphenols	1.515	1.524		0.6	
Nitrobenzene-d5	0.317	0.312		-1.6	
Hexachloroethane	0.500	0.484		-3.2	
Nitrobenzene	0.329	0.324		-1.5	
Hexachlorobutadiene	0.198	0.192		-3.0	20.0
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.204		-1.7	
2,4,5-Trichlorophenol	0.403	0.401		-0.7	
2,4-Dinitrotoluene	0.462	0.460		-0.4	
2,4,6-Tribromophenol	0.376	0.369		-1.9	
Hexachlorobenzene	0.290	0.282		-2.8	
Pentachlorophenol	0.158	0.162		2.5	20.0
Terphenyl-d14	0.904	0.902		-0.2	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/06/2024 20:28

Lab File ID: BE101504.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.157		-1.7	
2-Fluorophenol	1.131	1.103		-2.5	
Phenol-d6	1.551	1.542		-0.6	
1,4-Dichlorobenzene	1.482	1.438		-3.0	20.0
2-Methylphenol	1.093	1.128		3.2	
3+4-Methylphenols	1.515	1.514		-0.1	
Nitrobenzene-d5	0.317	0.314		-0.9	
Hexachloroethane	0.500	0.489		-2.2	
Nitrobenzene	0.329	0.327		-0.6	
Hexachlorobutadiene	0.198	0.192		-3.0	20.0
2,4,6-Trichlorophenol	0.362	0.356		-1.7	20.0
2-Fluorobiphenyl	1.225	1.208		-1.4	
2,4,5-Trichlorophenol	0.403	0.401		-0.5	
2,4-Dinitrotoluene	0.462	0.464		0.4	
2,4,6-Tribromophenol	0.376	0.368		-2.1	
Hexachlorobenzene	0.290	0.280		-3.4	
Pentachlorophenol	0.158	0.162		2.5	20.0
Terphenyl-d14	0.904	0.885		-2.1	

All other compounds must meet a minimum RRF of 0.010.