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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG No.: BP123024

Instrument ID: BNA_P Calibration Date/Time: 12/30/2024 12:58

Lab File ID: BP023586.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
n-Nitrosodimethylamine	0.504	0.502		-0.397	
Pyridine	1.480	1.460		-1.351	
2-Fluorophenol	1.281	1.268		-1.015	
Benzaldehyde	0.975	0.879		-9.846	
Aniline	1.564	1.560		-0.256	
Phenol-d6	1.746	1.751		0.286	
Phenol	1.776	1.771		-0.282	20.0
bis(2-Chloroethyl)ether	1.419	1.407		-0.846	
2-Chlorophenol	1.376	1.365		-0.799	
1,2-Dichlorobenzene	1.550	1.508		-2.71	
1,3-Dichlorobenzene	1.592	1.551		-2.575	
1,4-Dichlorobenzene	1.615	1.566		-3.034	20.0
Benzyl Alcohol	1.135	1.148		1.145	
2-Methylphenol	1.149	1.159		0.87	
2,2-oxybis(1-Chloropropane)	1.452	1.427		-1.722	
Acetophenone	0.522	0.513		-1.724	
3+4-Methylphenols	1.554	1.568		0.901	
n-Nitroso-di-n-propylamine	1.103	1.118	0.050	1.36	
Nitrobenzene-d5	0.354	0.356		0.565	
Hexachloroethane	0.576	0.564		-2.083	
Nitrobenzene	0.370	0.370		0.0	
Isophorone	0.710	0.704		-0.845	
2-Nitrophenol	0.117	0.123		5.128	20.0
2,4-Dimethylphenol	0.226	0.224		-0.885	
bis(2-Chloroethoxy)methane	0.446	0.439		-1.57	
2,4-Dichlorophenol	0.287	0.294		2.439	20.0
1,2,4-Trichlorobenzene	0.340	0.332		-2.353	
Benzoic acid	0.158	0.151		-4.43	
Naphthalene	1.100	1.080		-1.818	
4-Chloroaniline	0.408	0.408		0.0	
Hexachlorobutadiene	0.197	0.191		-3.046	20.0
Caprolactam	0.111	0.115		3.604	
4-Chloro-3-methylphenol	0.323	0.332		2.786	20.0
2-Methylnaphthalene	0.757	0.741		-2.114	
Hexachlorocyclopentadiene	0.161	0.161	0.050	0.0	
2,4,6-Trichlorophenol	0.336	0.349		3.869	20.0
2-Fluorobiphenyl	1.363	1.355		-0.587	
2,4,5-Trichlorophenol	0.385	0.400		3.896	
1,1-Biphenyl	1.505	1.465		-2.658	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG No.: BP123024

Instrument ID: BNA_P Calibration Date/Time: 12/30/2024 12:58

Lab File ID: BP023586.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
2-Chloronaphthalene	1.196	1.158		-3.177	
2-Nitroaniline	0.271	0.289		6.642	
Dimethylphthalate	1.447	1.412		-2.419	
Acenaphthylene	1.753	1.723		-1.711	
2,6-Dinitrotoluene	0.293	0.308		5.119	
3-Nitroaniline	0.314	0.325		3.503	
Acenaphthene	1.172	1.153		-1.621	20.0
2,4-Dinitrophenol	0.083	0.077	0.050	-7.229	
4-Nitrophenol	0.264	0.267	0.050	1.136	
Dibenzofuran	1.755	1.707		-2.735	
2,4-Dinitrotoluene	0.372	0.404		8.602	
Diethylphthalate	1.494	1.485		-0.602	
4-Chlorophenyl-phenylether	0.721	0.702		-2.635	
Fluorene	1.485	1.462		-1.549	
4-Nitroaniline	0.350	0.368		5.143	
4,6-Dinitro-2-methylphenol	0.066	0.066		0.0	
n-Nitrosodiphenylamine	0.605	0.602		-0.496	20.0
Azobenzene	1.406	1.388		-1.28	
2,4,6-Tribromophenol	0.231	0.246		6.494	
4-Bromophenyl-phenylether	0.213	0.216		1.408	
Hexachlorobenzene	0.261	0.259		-0.766	
Atrazine	0.159	0.153		-3.774	
Pentachlorophenol	0.151	0.154		1.987	20.0
Phenanthrene	1.065	1.078		1.221	
Anthracene	1.036	1.050		1.351	
Carbazole	1.061	1.069		0.754	
Di-n-butylphthalate	1.174	1.270		8.177	
Fluoranthene	1.248	1.300		4.167	20.0
Benzidine	0.343	0.377		9.913	
Pyrene	1.323	1.373		3.779	
Terphenyl-d14	0.983	0.944		-3.967	
Butylbenzylphthalate	0.495	0.540		9.091	
3,3-Dichlorobenzidine	0.452	0.478		5.752	
Benzo(a)anthracene	1.344	1.361		1.265	
Chrysene	1.263	1.255		-0.633	
Bis(2-ethylhexyl)phthalate	0.833	0.902		8.283	
Di-n-octyl phthalate	1.332	1.404		5.405	20.0
Benzo(b)fluoranthene	1.256	1.269		1.035	
Benzo(k)fluoranthene	1.226	1.245		1.55	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG No.: BP123024

Instrument ID: BNA_P Calibration Date/Time: 12/30/2024 1 12:58

Lab File ID: BP023586.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
Benzo(a)pyrene	1.079	1.091		1.112	20.0
Indeno(1,2,3-cd)pyrene	1.409	1.389		-1.419	
Dibenzo(a,h)anthracene	1.171	1.153		-1.537	
Benzo(g,h,i)perylene	1.172	1.155		-1.451	
1,2,4,5-Tetrachlorobenzene	0.565	0.549		-2.832	
1,4-Dioxane	0.515	0.494		-4.078	20.0
2,3,4,6-Tetrachlorophenol	0.320	0.331		3.438	
1-Methylnaphthalene	0.744	0.734		-1.344	

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP123024		SDG No.:	BP123024	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :		PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023590.D	1		12/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40400		1000	8000	10000	ug/L
110-86-1	Pyridine	39000		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	37700		4000	8000	10000	ug/L
62-53-3	Aniline	40000		1600	4000	5000	ug/L
108-95-2	Phenol	40900		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	40300		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	40400		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38900		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38900		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	41600		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40900		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39700		1400	4000	5000	ug/L
98-86-2	Acetophenone	39700		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	41200		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41000		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	38900		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40800		1300	4000	5000	ug/L
78-59-1	Isophorone	40000		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	43400		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	39800		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39400		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41500		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39100		1100	4000	5000	ug/L
65-85-0	Benzoic acid	44100		5500	8000	10000	ug/L
91-20-3	Naphthalene	39000		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39800		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38900		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP123024		SDG No.:	BP123024	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :		PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023590.D	1		12/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41300		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	41700		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39500		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39400		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	43200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	43000		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39600		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	40600		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40300		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	43700		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	44100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	40100		810	4000	5000	ug/L
Total PAH	Total PAH	642100		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	43300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	42300		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39600		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	39800		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	83500		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39500		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39800		980	4000	5000	ug/L
86-73-7	Fluorene	40000		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	43500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41700		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39100		890	4000	5000	ug/L
103-33-3	Azobenzene	40100		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	38300		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39800		1100	4000	5000	ug/L
1912-24-9	Atrazine	36800		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP123024			SDG No.:	BP123024
Lab Sample ID:	SSTDICV040			Matrix:	Water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023590.D	1		12/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	42300		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39800		890	4000	5000	ug/L
120-12-7	Anthracene	39500		1100	4000	5000	ug/L
86-74-8	Carbazole	39100		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42800		1500	4000	5000	ug/L
206-44-0	Fluoranthene	39900		1300	4000	5000	ug/L
92-87-5	Benzidine	44600		4100	8000	10000	ug/L
129-00-0	Pyrene	41600		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	39300		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	40500		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39500		940	4000	5000	ug/L
218-01-9	Chrysene	39200		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41800		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41800		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	41000		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40300		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40600		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40500		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	40600		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	40200		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39800		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38300		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42800		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39600		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79505	*	10-139		53003	SPK: -150
13127-88-3	Phenol-d6	82672	*	10-134		55115	SPK: -150
4165-60-0	Nitrobenzene-d5	82541	*	49-133		82541	SPK: -100
321-60-8	2-Fluorobiphenyl	80523	*	52-132		80523	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP123024			SDG No.:	BP123024		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :			Decanted :	Level :	LOW		
Injection Volume :			GPC Factor :	GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023590.D	1		12/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81676	*	44-137		54451	SPK: -150
1718-51-0	Terphenyl-d14	81497	*	48-125		81497	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	640296	7.775				
1146-65-2	Naphthalene-d8	2746261	10.563				
15067-26-2	Acenaphthene-d10	1721000	14.434				
1517-22-2	Phenanthrene-d10	3507294	17.251				
1719-03-5	Chrysene-d12	3325790	21.733				
1520-96-3	Perylene-d12	3542832	25.186				

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Report of Analysis

Client:				Date Collected:	12/30/2024 12:00:00 AM
Project:				Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	PB165900BL			SDG No.:	BP123024
Lab Sample ID:	PB165900BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023591.D	1	12/30/2024 12:00:00 AM	12/30/2024 12:00:00 AM	PB165900

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

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Report of Analysis

Client:				Date Collected:	12/30/2024 12:00:00 AM
Project:				Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	PB165900BL			SDG No.:	BP123024
Lab Sample ID:	PB165900BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023591.D	1	12/30/2024 12:00:00 AM	12/30/2024 12:00:00 AM	PB165900

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	169.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

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

Report of Analysis

Client:				Date Collected:	12/30/2024 12:00:00 AM
Project:				Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	PB165900BL			SDG No.:	BP123024
Lab Sample ID:	PB165900BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023591.D	1	12/30/2024 12:00:00 AM	12/30/2024 12:00:00 AM	PB165900

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	156.949		18-112	105		SPK: -150
13127-88-3	Phenol-d6	143.255		15-107	96		SPK: -150
4165-60-0	Nitrobenzene-d5	102.52		18-107	103		SPK: -100
321-60-8	2-Fluorobiphenyl	98.22		20-109	98		SPK: -100

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Report of Analysis

Client:				Date Collected:	12/30/2024 12:00:00 AM
Project:				Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	PB165900BL			SDG No.:	BP123024
Lab Sample ID:	PB165900BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023591.D	1	12/30/2024 12:00:00 AM	12/30/2024 12:00:00 AM	PB165900

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.2		10-116		97	SPK: -150
1718-51-0	Terphenyl-d14	103.696		10-105		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	595440	7.811				
1146-65-2	Naphthalene-d8	2368454	10.587				
15067-26-2	Acenaphthene-d10	1459490	14.44				
1517-22-2	Phenanthrene-d10	2880903	17.251				
1719-03-5	Chrysene-d12	2971120	21.71				
1520-96-3	Perylene-d12	3302464	25.139				
TENTATIVE IDENTIFIED COMPOUNDS							
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	140	J			19.892	

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Hit Summary Sheet
SW-846

SDG No.: BP123024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP123024**							
SSTDICV040	ICVBP123024	Water	1,1-Biphenyl	39,600.000		910	5000	ug/L
SSTDICV040	ICVBP123024	Water	1,2,4,5-Tetrachlorobenzene	39,800.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	1,2,4-Trichlorobenzene	39,100.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	1,2-Dichlorobenzene	38,800.000		880	5000	ug/L
SSTDICV040	ICVBP123024	Water	1,3-Dichlorobenzene	38,900.000		800	5000	ug/L
SSTDICV040	ICVBP123024	Water	1,4-Dichlorobenzene	38,900.000		840	5000	ug/L
SSTDICV040	ICVBP123024	Water	1,4-Dioxane	38,300.000		1300	5000	ug/L
SSTDICV040	ICVBP123024	Water	1-Methylnaphthalene	39,600.000		860	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,2-oxybis(1-Chloropropane)	39,700.000		1400	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,3,4,6-Tetrachlorophenol	42,800.000		790	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,4,5-Trichlorophenol	43,000.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,4,6-Trichlorophenol	43,200.000		890	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,4-Dichlorophenol	41,500.000		880	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,4-Dimethylphenol	39,800.000		1500	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,4-Dinitrophenol	43,300.000		6400	10000	ug/L
SSTDICV040	ICVBP123024	Water	2,4-Dinitrotoluene	39,800.000		1500	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,6-Dinitrotoluene	43,700.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	2-Chloronaphthalene	39,500.000		970	5000	ug/L
SSTDICV040	ICVBP123024	Water	2-Chlorophenol	40,400.000		710	5000	ug/L
SSTDICV040	ICVBP123024	Water	2-Methylnaphthalene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	2-Methylphenol	40,900.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	2-Nitroaniline	40,600.000		1400	5000	ug/L
SSTDICV040	ICVBP123024	Water	2-Nitrophenol	43,400.000		2000	5000	ug/L
SSTDICV040	ICVBP123024	Water	3+4-Methylphenols	41,200.000		1200	10000	ug/L
SSTDICV040	ICVBP123024	Water	3,3-Dichlorobenzidine	40,500.000		1300	10000	ug/L
SSTDICV040	ICVBP123024	Water	3-Nitroaniline	44,100.000		1400	5000	ug/L
SSTDICV040	ICVBP123024	Water	4,6-Dinitro-2-methylphenol	41,700.000		3100	10000	ug/L
SSTDICV040	ICVBP123024	Water	4-Bromophenyl-phenylether	38,300.000		950	5000	ug/L
SSTDICV040	ICVBP123024	Water	4-Chloro-3-methylphenol	41,700.000		840	5000	ug/L
SSTDICV040	ICVBP123024	Water	4-Chloroaniline	39,800.000		1300	5000	ug/L
SSTDICV040	ICVBP123024	Water	4-Chlorophenyl-phenylether	39,800.000		980	5000	ug/L
SSTDICV040	ICVBP123024	Water	4-Nitroaniline	43,500.000		2000	5000	ug/L
SSTDICV040	ICVBP123024	Water	4-Nitrophenol	42,300.000		2000	10000	ug/L
SSTDICV040	ICVBP123024	Water	Acenaphthene	40,100.000		810	5000	ug/L
SSTDICV040	ICVBP123024	Water	Acenaphthylene	40,300.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	Acetophenone	39,700.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	Aniline	40,000.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP123024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP123024	Water	Anthracene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	Atrazine	36,800.000		1300	5000	ug/L
SSTDICV040	ICVBP123024	Water	Azobenzene	40,100.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	Benzaldehyde	37,700.000		4000	10000	ug/L
SSTDICV040	ICVBP123024	Water	Benzidine	44,600.000		4100	10000	ug/L
SSTDICV040	ICVBP123024	Water	Benzo(a)anthracene	39,500.000		940	5000	ug/L
SSTDICV040	ICVBP123024	Water	Benzo(a)pyrene	40,600.000		1700	5000	ug/L
SSTDICV040	ICVBP123024	Water	Benzo(b)fluoranthene	41,000.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	Benzo(g,h,i)perylene	40,200.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	Benzo(k)fluoranthene	40,300.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	Benzoic acid	44,100.000		5500	10000	ug/L
SSTDICV040	ICVBP123024	Water	Benzyl Alcohol	41,600.000		1600	10000	ug/L
SSTDICV040	ICVBP123024	Water	bis(2-Chloroethoxy)methane	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	bis(2-Chloroethyl)ether	40,300.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	Bis(2-ethylhexyl)phthalate	41,800.000		1900	5000	ug/L
SSTDICV040	ICVBP123024	Water	Butylbenzylphthalate	39,300.000		2100	5000	ug/L
SSTDICV040	ICVBP123024	Water	Caprolactam	41,300.000		1700	10000	ug/L
SSTDICV040	ICVBP123024	Water	Carbazole	39,100.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	Chrysene	39,200.000		860	5000	ug/L
SSTDICV040	ICVBP123024	Water	Di-n-butylphthalate	42,800.000		1500	5000	ug/L
SSTDICV040	ICVBP123024	Water	Di-n-octyl phthalate	41,800.000		2500	10000	ug/L
SSTDICV040	ICVBP123024	Water	Dibenzo(a,h)anthracene	40,600.000		1200	5000	ug/L
SSTDICV040	ICVBP123024	Water	Dibenzofuran	39,600.000		930	5000	ug/L
SSTDICV040	ICVBP123024	Water	Diethylphthalate	39,500.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	Dimethylphthalate	39,400.000		930	5000	ug/L
SSTDICV040	ICVBP123024	Water	Fluoranthene	39,900.000		1300	5000	ug/L
SSTDICV040	ICVBP123024	Water	Fluorene	40,000.000		960	5000	ug/L
SSTDICV040	ICVBP123024	Water	Hexachlorobenzene	39,800.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	Hexachlorobutadiene	38,900.000		1300	5000	ug/L
SSTDICV040	ICVBP123024	Water	Hexachlorocyclopentadiene	39,400.000		5000	10000	ug/L
SSTDICV040	ICVBP123024	Water	Hexachloroethane	38,900.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	Indeno(1,2,3-cd)pyrene	40,500.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	Isophorone	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	n-Nitroso-di-n-propylamine	41,000.000		1500	2500	ug/L
SSTDICV040	ICVBP123024	Water	n-Nitrosodimethylamine	40,400.000		1000	10000	ug/L
SSTDICV040	ICVBP123024	Water	n-Nitrosodiphenylamine	39,100.000		890	5000	ug/L
SSTDICV040	ICVBP123024	Water	Naphthalene	39,000.000		1000	5000	ug/L
SSTDICV040	ICVBP123024	Water	Nitrobenzene	40,800.000		1300	5000	ug/L
SSTDICV040	ICVBP123024	Water	Pentachlorophenol	42,300.000		1900	10000	ug/L
SSTDICV040	ICVBP123024	Water	Phenanthrene	39,800.000		890	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP123024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP123024	Water	Phenol	40,900.000		930	5000	ug/L
SSTDICV040	ICVBP123024	Water	Pyrene	41,600.000		1100	5000	ug/L
SSTDICV040	ICVBP123024	Water	Pyridine	39,000.000		1600	5000	ug/L
SSTDICV040	ICVBP123024	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	83,500.000		2700	10000	ug/L
SSTDICV040	ICVBP123024	Water	Total PAH	642,100.000		17360	80000	ug/L
			Total Svoc :	**3,964,100.00**				
			Total Concentration:	**3,964,100.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG No.: BP123024

Instrument ID: Calibration Date(s): 12/30/2024

Calibration Time(s): 10:15

LAB FILE ID: RRF2.5 = BP023582.D RRF005 = BP023583.D RRF010 = BP023584.D
RRF020 = BP023585.D RRF040 = BP023586.D RRF050 = BP023587.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.490	0.490	0.509	0.502	0.510	0.504	2.5
Pyridine		1.440	1.409	1.499	1.460	1.509	1.480	3.0
2-Fluorophenol		1.254	1.225	1.290	1.268	1.304	1.281	2.8
Benzaldehyde		1.185	1.139	1.070	0.879	0.828	0.975	18.5
Aniline		1.523	1.584	1.619	1.560	1.577	1.564	3.1
Phenol-d6		1.641	1.671	1.748	1.751	1.779	1.746	4.0
Phenol		1.699	1.725	1.775	1.771	1.806	1.776	3.0
bis(2-Chloroethyl)ether		1.390	1.414	1.442	1.407	1.415	1.419	1.8
2-Chlorophenol		1.331	1.344	1.388	1.365	1.396	1.376	2.5
1,2-Dichlorobenzene		1.615	1.569	1.586	1.508	1.531	1.550	3.0
1,3-Dichlorobenzene		1.652	1.633	1.619	1.551	1.573	1.592	3.0
1,4-Dichlorobenzene		1.701	1.641	1.649	1.566	1.581	1.615	3.4
Benzyl Alcohol		1.031	1.072	1.139	1.148	1.166	1.135	5.6
2-Methylphenol		1.075	1.102	1.158	1.159	1.176	1.149	4.0
2,2-oxybis(1-Chloropropane)		1.454	1.493	1.486	1.427	1.440	1.452	2.6
Acetophenone		0.529	0.525	0.535	0.513	0.517	0.522	2.0
3+4-Methylphenols		1.358	1.475	1.560	1.568	1.627	1.554	6.9
n-Nitroso-di-n-propylamine	1.063	1.040	1.117	1.143	1.118	1.112	1.103	3.6
Nitrobenzene-d5		0.327	0.334	0.360	0.356	0.368	0.354	4.9
Hexachloroethane		0.593	0.579	0.580	0.564	0.568	0.576	2.3
Nitrobenzene		0.348	0.358	0.379	0.370	0.377	0.370	3.6
Isophorone		0.679	0.703	0.731	0.704	0.713	0.710	2.8
2-Nitrophenol		0.075	0.079	0.102	0.123	0.136	0.117	27.7
2,4-Dimethylphenol		0.217	0.214	0.232	0.224	0.228	0.226	3.9
bis(2-Chloroethoxy)methane		0.436	0.441	0.458	0.439	0.444	0.446	2.2
2,4-Dichlorophenol		0.241	0.258	0.289	0.294	0.303	0.287	9.6
1,2,4-Trichlorobenzene		0.351	0.335	0.344	0.332	0.337	0.340	1.9
Benzoic acid			0.091	0.113	0.151	0.180	0.158	31.0
Naphthalene		1.134	1.099	1.125	1.080	1.084	1.100	2.3
4-Chloroaniline		0.393	0.405	0.419	0.408	0.410	0.408	2.4
Hexachlorobutadiene		0.207	0.192	0.199	0.191	0.195	0.197	2.9
Caprolactam		0.091	0.102	0.115	0.115	0.117	0.111	9.9
4-Chloro-3-methylphenol		0.259	0.295	0.328	0.332	0.342	0.323	10.7
2-Methylnaphthalene		0.747	0.743	0.770	0.741	0.762	0.757	2.2
Hexachlorocyclopentadiene		0.151	0.146	0.158	0.161	0.170	0.161	6.5
2,4,6-Trichlorophenol		0.260	0.281	0.330	0.349	0.366	0.336	14.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG No.: BP123024

Instrument ID: Calibration Date(s): 12/30/2024

Calibration Time(s): 10:15

LAB FILE ID: RRF2.5 = BP023582.D RRF005 = BP023583.D RRF010 = BP023584.D
RRF020 = BP023585.D RRF040 = BP023586.D RRF050 = BP023587.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.445	1.401	1.443	1.355	1.377	1.363	7.7
2,4,5-Trichlorophenol		0.298	0.330	0.387	0.400	0.417	0.385	13.4
1,1-Biphenyl		1.546	1.481	1.540	1.465	1.508	1.505	2.4
2-Chloronaphthalene		1.241	1.178	1.220	1.158	1.187	1.196	2.5
2-Nitroaniline		0.180	0.214	0.262	0.289	0.307	0.271	20.4
Dimethylphthalate		1.401	1.452	1.468	1.412	1.470	1.447	2.7
Acenaphthylene		1.728	1.728	1.790	1.723	1.782	1.753	2.1
2,6-Dinitrotoluene		0.205	0.255	0.290	0.308	0.318	0.293	16.5
3-Nitroaniline		0.224	0.266	0.311	0.325	0.349	0.314	16.5
Acenaphthene		1.146	1.144	1.176	1.153	1.181	1.172	2.4
2,4-Dinitrophenol			0.049	0.060	0.077	0.090	0.083	31.2
4-Nitrophenol			0.187	0.237	0.267	0.290	0.264	17.1
Dibenzofuran		1.766	1.766	1.799	1.707	1.745	1.755	2.2
2,4-Dinitrotoluene		0.218	0.287	0.360	0.404	0.431	0.372	24.1
Diethylphthalate		1.438	1.481	1.508	1.485	1.520	1.494	2.7
4-Chlorophenyl-phenylether		0.701	0.715	0.743	0.702	0.729	0.721	2.7
Fluorene		1.458	1.495	1.543	1.462	1.499	1.485	2.6
4-Nitroaniline		0.243	0.298	0.358	0.368	0.389	0.350	16.7
4,6-Dinitro-2-methylphenol			0.036	0.047	0.066	0.074	0.066	32.4
n-Nitrosodiphenylamine		0.601	0.599	0.616	0.602	0.608	0.605	1.7
Azobenzene		1.378	1.411	1.451	1.388	1.419	1.406	2.6
2,4,6-Tribromophenol		0.176	0.205	0.231	0.246	0.259	0.231	13.1
4-Bromophenyl-phenylether		0.206	0.212	0.215	0.216	0.218	0.213	2.5
Hexachlorobenzene		0.259	0.258	0.261	0.259	0.259	0.261	2.1
Atrazine		0.184	0.188	0.178	0.153	0.147	0.159	15.8
Pentachlorophenol			0.110	0.136	0.154	0.160	0.151	16.0
Phenanthrene		1.079	1.074	1.093	1.078	1.068	1.065	3.8
Anthracene		1.019	1.020	1.071	1.050	1.048	1.036	3.0
Carbazole		1.050	1.048	1.074	1.069	1.075	1.061	2.0
Di-n-butylphthalate		1.063	1.192	1.245	1.270	1.285	1.174	10.1
Fluoranthene		1.269	1.271	1.310	1.300	1.279	1.248	6.9
Benzidine		0.281	0.290	0.388	0.377	0.365	0.343	12.3
Pyrene		1.312	1.339	1.437	1.373	1.368	1.323	7.7
Terphenyl-d14		1.057	1.098	1.130	0.944	0.897	0.983	13.9
Butylbenzylphthalate		0.304	0.383	0.457	0.540	0.562	0.495	23.9
3,3-Dichlorobenzidine		0.382	0.420	0.461	0.478	0.474	0.452	8.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG No.: BP123024

Instrument ID: Calibration Date(s): 12/30/2024

Calibration Time(s): 10:15

LAB FILE ID: RRF2.5 = BP023582.D RRF005 = BP023583.D RRF010 = BP023584.D
RRF020 = BP023585.D RRF040 = BP023586.D RRF050 = BP023587.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.350	1.353	1.386	1.361	1.348	1.344	3.9
Chrysene		1.258	1.265	1.295	1.255	1.266	1.263	2.0
Bis(2-ethylhexyl)phthalate		0.613	0.716	0.798	0.902	0.898	0.833	15.6
Di-n-octyl phthalate			1.057	1.183	1.404	1.429	1.332	13.6
Benzo(b)fluoranthene		1.149	1.193	1.267	1.269	1.283	1.256	5.0
Benzo(k)fluoranthene		1.155	1.174	1.248	1.245	1.243	1.226	4.1
Benzo(a)pyrene		0.974	1.007	1.090	1.091	1.115	1.079	6.0
Indeno(1,2,3-cd)pyrene		1.324	1.328	1.416	1.389	1.461	1.409	4.6
Dibenzo(a,h)anthracene		1.103	1.103	1.175	1.153	1.216	1.171	4.5
Benzo(g,h,i)perylene		1.124	1.114	1.181	1.155	1.204	1.172	3.6
1,2,4,5-Tetrachlorobenzene		0.566	0.544	0.567	0.549	0.574	0.565	2.7
1,4-Dioxane		0.559	0.519	0.522	0.494	0.508	0.515	4.4
2,3,4,6-Tetrachlorophenol		0.244	0.279	0.320	0.331	0.345	0.320	13.8
1-Methylnaphthalene		0.738	0.739	0.756	0.734	0.743	0.744	1.5

All other compounds must meet a minimum RRF of 0.010.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG NO.: BP123024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 30 2024 12:00AM

Lab File ID: BP023586.D Time Analyzed: 16:24

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	600464	7.81	2.5789e+00	10.59	1.64049e+00	14.44
	UPPER LIMIT	1200928	8.31	5157800	11.093	3280980	14.939
	LOWER LIMIT	300232	7.31	1289450	10.093	820245	13.939
	EPA SAMPLE NO.						
01	ICVBP123024	640296	7.78	2.74626e	10.56	1.721e+0	14.43
02	PB165900BL	595440	7.81	2.36845e	10.59	1.45949e	14.44

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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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG NO.: BP123024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 30 2024 12:00AM

Lab File ID: BP023586.D Time Analyzed: 16:24

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	600464	7.81	2.5789e+00	10.59	1.64049e+00	14.44
	UPPER LIMIT	1200928	8.31	5157800	11.093	3280980	14.939
	LOWER LIMIT	300232	7.31	1289450	10.093	820245	13.939
	EPA SAMPLE NO.						
01	ICVBP123024	640296	7.78	2.74626e	10.56	1.721e+0	14.43
02	PB165900BL	595440	7.81	2.36845e	10.59	1.45949e	14.44

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.: BP123024 SAS No.: BP123024 SDG NO.: BP123024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 30 2024 12:00AM

Lab File ID: BP023586.D Time Analyzed: 16:24

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	3.30767e+0(	17.245	3.28131e+	21.721	3.56598e+0(	25.162
	UPPER LIMIT	6615340	17.745	6562620	22.221	7131960	25.662
	LOWER LIMIT	1653835	16.745	1640655	21.221	1782990	24.662
	EPA SAMPLE NO.						
01	ICVBP123024	3.50729	17.25	3.32579e+	21.73	3.54283e+	25.19
02	PB165900BL	2.8809e	17.25	2.97112e+	21.71	3.30246e+	25.14

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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG NO.: BP123024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 30 2024 12:00AM

Lab File ID: BP023586.D Time Analyzed: 16:24

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	3.30767e+0(	17.245	3.28131e+	21.721	3.56598e+0(	25.162
	UPPER LIMIT	6615340	17.745	6562620	22.221	7131960	25.662
	LOWER LIMIT	1653835	16.745	1640655	21.221	1782990	24.662
	EPA SAMPLE NO.						
01	ICVBP123024	3.50729	17.25	3.32579e+	21.73	3.54283e+	25.19
02	PB165900BL	2.8809e	17.25	2.97112e+	21.71	3.30246e+	25.14

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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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBP123024

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG NO.: BP123024

Lab File ID: BP023590.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 12/30/2024

Level: (low/med) LOW Time Analyzed: 16:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP123024	SSTDICV040	BP023590.D	12/30/2024

COMMENTS:

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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165900BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123024 SAS No.: BP123024 SDG NO.: BP123024

Lab File ID: BP023591.D Lab Sample ID: PB165900BL

Instrument ID: BNA_P Date Extracted: 12/30/2024

Matrix: (soil/water) Solid Date Analyzed: 12/30/2024

Level: (low/med) LOW Time Analyzed: 17:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BP123024

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP123024	BP023590.D	2-Fluorophenol	150	79,505.00	53003	*	10	139
			Phenol-d6	150	82,672.00	55115	*	10	134
			Nitrobenzene-d5	100	82,541.00	82541	*	49	133
			2-Fluorobiphenyl	100	80,523.00	80523	*	52	132
			2,4,6-Tribromophenol	150	81,676.00	54451	*	44	137
			Terphenyl-d14	100	81,497.00	81497	*	48	125

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Surrogate Summary

SW-846

SDG No.: BP123024

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB165900BL	PB165900BL	BP023591.D	2-Fluorophenol	150	156.95	105		18	112
			Phenol-d6	150	143.26	96		15	107
			Nitrobenzene-d5	100	102.52	103		18	107
			2-Fluorobiphenyl	100	98.22	98		20	109
			2,4,6-Tribromophenol	150	146.20	97		10	116
			Terphenyl-d14	100	103.70	104		10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP123024

Lab Code: CHEM SAS No.: BP123024 SDG NO.: BP123024

Lab File ID: BP023581.D DFTPP Injection Date: 12/30/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.5
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.3
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	6.9
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.4
442	Greater than 50% of mass 198	87.7
443	15.0 - 24.0% of mass 442	17.3 (19.7) 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	BP023582.D	12/30/2024	10:15
SSTDICC005	SSTDICC005	BP023583.D	12/30/2024	10:55
SSTDICC010	SSTDICC010	BP023584.D	12/30/2024	11:36
SSTDICC020	SSTDICC020	BP023585.D	12/30/2024	12:17
SSTDICCC040	SSTDICCC040	BP023586.D	12/30/2024	12:58
SSTDICC050	SSTDICC050	BP023587.D	12/30/2024	13:38
SSTDICC060	SSTDICC060	BP023588.D	12/30/2024	14:19
SSTDICC080	SSTDICC080	BP023589.D	12/30/2024	15:00
ICVBP123024	SSTDICV040	BP023590.D	12/30/2024	16:24
PB165900BL	PB165900BL	BP023591.D	12/30/2024	17:04