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.: BP091424 SAS No.: BP091424 SDG No.: BP091424

Instrument ID: BNA_P Calibration Date/Time: 9/14/2024 12 15:02

Lab File ID: BP021921.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	0.696	0.571		-17.96	
Pyridine	1.402	1.202		-14.265	
2-Fluorophenol	1.109	1.038		-6.402	
Benzaldehyde	0.707	0.730		3.253	
Aniline	1.239	1.240		0.081	
Phenol-d6	1.376	1.386		0.727	
Phenol	1.387	1.391		0.288	20.0
bis(2-Chloroethyl)ether	1.102	1.128		2.359	
2-Chlorophenol	1.141	1.138		-0.263	
1,2-Dichlorobenzene	1.477	1.350		-8.599	
1,3-Dichlorobenzene	1.427	1.396		-2.172	
1,4-Dichlorobenzene	1.447	1.410		-2.557	20.0
Benzyl Alcohol	1.071	0.973		-9.15	
2-Methylphenol	1.008	0.942		-6.548	
2,2-oxybis(1-Chloropropane)	1.399	1.369		-2.144	
Acetophenone	0.477	0.526		10.273	
3+4-Methylphenols	1.376	0.983		-28.561	
n-Nitroso-di-n-propylamine	0.963	0.674	0.050	-30.01	
Nitrobenzene-d5	0.353	0.386		9.348	
Hexachloroethane	0.537	0.374		-30.354	
Nitrobenzene	0.368	0.397		7.88	
Isophorone	0.634	0.637		0.473	
2-Nitrophenol	0.154	0.163		5.844	20.0
2,4-Dimethylphenol	0.193	0.197		2.073	
bis(2-Chloroethoxy)methane	0.399	0.391		-2.005	
2,4-Dichlorophenol	0.312	0.320		2.564	20.0
1,2,4-Trichlorobenzene	0.381	0.383		0.525	
Benzoic acid	0.206	0.208		0.971	
Naphthalene	1.007	0.996		-1.092	
4-Chloroaniline	0.370	0.366		-1.081	
Hexachlorobutadiene	0.256	0.270		5.469	20.0
Caprolactam	0.097	0.094		-3.093	
4-Chloro-3-methylphenol	0.339	0.344		1.475	20.0
2-Methylnaphthalene	0.733	0.735		0.273	
Hexachlorocyclopentadiene	0.183	0.181	0.050	-1.093	
2,4,6-Trichlorophenol	0.354	0.399		12.712	20.0
2-Fluorobiphenyl	1.260	1.316		4.444	
2,4,5-Trichlorophenol	0.404	0.442		9.406	
1,1-Biphenyl	1.363	1.382		1.394	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091424 SAS No.: BP091424 SDG No.: BP091424

Instrument ID: BNA_P Calibration Date/Time: 9/14/2024 12 15:02

Lab File ID: BP021921.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	1.100	1.114		1.273	
2-Nitroaniline	0.291	0.298		2.405	
Dimethylphthalate	1.399	1.380		-1.358	
Acenaphthylene	1.559	1.587		1.796	
2,6-Dinitrotoluene	0.310	0.318		2.581	
3-Nitroaniline	0.286	0.292		2.098	
Acenaphthene	1.017	1.025		0.787	20.0
2,4-Dinitrophenol	0.158	0.163	0.050	3.165	
4-Nitrophenol	0.244	0.253	0.050	3.689	
Dibenzofuran	1.701	1.675		-1.529	
2,4-Dinitrotoluene	0.420	0.432		2.857	
Diethylphthalate	1.405	1.372		-2.349	
4-Chlorophenyl-phenylether	0.732	0.714		-2.459	
Fluorene	1.362	1.334		-2.056	
4-Nitroaniline	0.303	0.313		3.3	
4,6-Dinitro-2-methylphenol	0.103	0.108		4.854	
n-Nitrosodiphenylamine	0.516	0.522		1.163	20.0
Azobenzene	1.243	1.225		-1.448	
2,4,6-Tribromophenol	0.251	0.250		-0.398	
4-Bromophenyl-phenylether	0.200	0.200		0.0	
Hexachlorobenzene	0.238	0.239		0.42	
Atrazine	0.185	0.188		1.622	
Pentachlorophenol	0.157	0.164		4.459	20.0
Phenanthrene	0.973	0.957		-1.644	
Anthracene	0.937	0.941		0.427	
Carbazole	0.923	0.929		0.65	
Di-n-butylphthalate	1.038	1.064		2.505	
Fluoranthene	1.248	1.250		0.16	20.0
Benzidine	0.315	0.308		-2.222	
Pyrene	1.286	1.281		-0.389	
Terphenyl-d14	0.986	0.980		-0.609	
Butylbenzylphthalate	0.452	0.468		3.54	
3,3-Dichlorobenzidine	0.418	0.451		7.895	
Benzo(a)anthracene	1.279	1.285		0.469	
Chrysene	1.218	1.210		-0.657	
Bis(2-ethylhexyl)phthalate	0.672	0.715		6.399	
Di-n-octyl phthalate	1.148	1.173		2.178	20.0
Benzo(b)fluoranthene	1.222	1.193		-2.373	
Benzo(k)fluoranthene	1.177	1.127		-4.248	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091424 SAS No.: BP091424 SDG No.: BP091424

Instrument ID: BNA_P Calibration Date/Time: 9/14/2024 12 15:02

Lab File ID: BP021921.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	1.011	1.036		2.473	20.0
Indeno(1,2,3-cd)pyrene	1.270	1.272		0.157	
Dibenzo(a,h)anthracene	1.056	1.053		-0.284	
Benzo(g,h,i)perylene	1.102	1.105		0.272	
1,2,4,5-Tetrachlorobenzene	0.540	0.504		-6.667	
1,4-Dioxane	0.556	0.431		-22.482	20.0
2,3,4,6-Tetrachlorophenol	0.383	0.386		0.783	
1-Methylnaphthalene	0.733	0.744		1.501	

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:	ICVBP091424		SDG No.:	BP091424	
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
BP021925.D	1		9/14/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44600		1000	8000	10000	ug/L
110-86-1	Pyridine	41900		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	53900		4000	8000	10000	ug/L
62-53-3	Aniline	47900		1600	4000	5000	ug/L
108-95-2	Phenol	48500		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	41900		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	40700		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	37900		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39900		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39700		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	40200		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39000		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	36900		1400	4000	5000	ug/L
98-86-2	Acetophenone	29800		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	41100		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40100		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	42000		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	35000		1300	4000	5000	ug/L
78-59-1	Isophorone	40800		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	42900		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41600		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41400		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39700		1100	4000	5000	ug/L
65-85-0	Benzoic acid	44700		5500	8000	10000	ug/L
91-20-3	Naphthalene	39000		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40700		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39000		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP091424		SDG No.:	BP091424	
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
BP021925.D	1		9/14/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42900		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39700		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38900		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	44200		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	45100		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	44700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39000		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39300		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	41900		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39600		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39900		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41600		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	42200		1400	4000	5000	ug/L
83-32-9	Acenaphthene	38700		810	4000	5000	ug/L
Total PAH	Total PAH	631400		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	43000		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	44400		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39100		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	42700		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	84300		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39300		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38800		980	4000	5000	ug/L
86-73-7	Fluorene	38500		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	42700		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43200		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40200		890	4000	5000	ug/L
103-33-3	Azobenzene	39500		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40700		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40300		1100	4000	5000	ug/L
1912-24-9	Atrazine	40800		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP091424			SDG No.:	BP091424
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
BP021925.D	1		9/14/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	43600		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39700		890	4000	5000	ug/L
120-12-7	Anthracene	39900		1100	4000	5000	ug/L
86-74-8	Carbazole	39500		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38200		1500	4000	5000	ug/L
206-44-0	Fluoranthene	40300		1300	4000	5000	ug/L
92-87-5	Benzidine	27300		4100	8000	10000	ug/L
129-00-0	Pyrene	41000		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	43900		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	43600		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40400		940	4000	5000	ug/L
218-01-9	Chrysene	39300		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43200		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41300		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	38600		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38100		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	39500		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	38900		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39000		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44500		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	43300		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41000		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	105008	*	10-139		70005	SPK: -150
13127-88-3	Phenol-d6	96027	*	10-134		64018	SPK: -150
4165-60-0	Nitrobenzene-d5	64730	*	49-133		64730	SPK: -100
321-60-8	2-Fluorobiphenyl	80218	*	52-132		80218	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP091424			SDG No.:	BP091424		
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
BP021925.D	1		9/14/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84053	*	44-137		56035	SPK: -150
1718-51-0	Terphenyl-d14	82832	*	48-125		82832	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134661	7.746				
1146-65-2	Naphthalene-d8	721820	10.51				
15067-26-2	Acenaphthene-d10	528359	14.351				
1517-22-2	Phenanthrene-d10	1199211	17.145				
1719-03-5	Chrysene-d12	1202845	21.586				
1520-96-3	Perylene-d12	1354690	24.886				

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Report of Analysis

Client:				Date Collected:	8/30/2024 12:00:00 AM
Project:				Date Received:	8/30/2024 12:00:00 AM
Client Sample ID:	PB163076BL			SDG No.:	BP091424
Lab Sample ID:	PB163076BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	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
BP021926.D	1	8/30/2024 12:00:00 AM	9/14/2024 12:00:00 AM	PB163076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

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Report of Analysis

Client:				Date Collected:	8/30/2024 12:00:00 AM
Project:				Date Received:	8/30/2024 12:00:00 AM
Client Sample ID:	PB163076BL			SDG No.:	BP091424
Lab Sample ID:	PB163076BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	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
BP021926.D	1	8/30/2024 12:00:00 AM	9/14/2024 12:00:00 AM	PB163076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	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	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	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	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	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	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	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:	8/30/2024 12:00:00 AM
Project:				Date Received:	8/30/2024 12:00:00 AM
Client Sample ID:	PB163076BL			SDG No.:	BP091424
Lab Sample ID:	PB163076BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	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
BP021926.D	1	8/30/2024 12:00:00 AM	9/14/2024 12:00:00 AM	PB163076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	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	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	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	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	154.769		18-112		103	SPK: -150
13127-88-3	Phenol-d6	152.547		15-107		102	SPK: -150
4165-60-0	Nitrobenzene-d5	108.262	*	18-107		108	SPK: -100
321-60-8	2-Fluorobiphenyl	106.918		20-109		107	SPK: -100

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Report of Analysis

Client:				Date Collected:	8/30/2024 12:00:00 AM
Project:				Date Received:	8/30/2024 12:00:00 AM
Client Sample ID:	PB163076BL			SDG No.:	BP091424
Lab Sample ID:	PB163076BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	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
BP021926.D	1	8/30/2024 12:00:00 AM	9/14/2024 12:00:00 AM	PB163076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	163.559		10-116		109	SPK: -150
1718-51-0	Terphenyl-d14	114.178	*	10-105		114	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	107408	7.752				
1146-65-2	Naphthalene-d8	395754	10.51				
15067-26-2	Acenaphthene-d10	262861	14.345				
1517-22-2	Phenanthrene-d10	570406	17.139				
1719-03-5	Chrysene-d12	530302	21.574				
1520-96-3	Perylene-d12	546986	24.886				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	A			4.916	
000110-34-9	Hexadecanoic acid, 2-methylpropyl	83.3	J			19.575	

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Hit Summary Sheet
SW-846

SDG No.: BP091424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP091424**							
SSTDICV040	ICVBP091424	Water	1,1-Biphenyl	39,000.000		910	5000	ug/L
SSTDICV040	ICVBP091424	Water	1,2,4,5-Tetrachlorobenzene	44,500.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	1,2,4-Trichlorobenzene	39,700.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	1,2-Dichlorobenzene	37,900.000		880	5000	ug/L
SSTDICV040	ICVBP091424	Water	1,3-Dichlorobenzene	39,900.000		800	5000	ug/L
SSTDICV040	ICVBP091424	Water	1,4-Dichlorobenzene	39,700.000		840	5000	ug/L
SSTDICV040	ICVBP091424	Water	1,4-Dioxane	43,300.000		1300	5000	ug/L
SSTDICV040	ICVBP091424	Water	1-Methylnaphthalene	38,700.000		860	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,2-oxybis(1-Chloropropane)	36,900.000		1400	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,3,4,6-Tetrachlorophenol	41,000.000		790	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,4,5-Trichlorophenol	44,700.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,4,6-Trichlorophenol	45,100.000		890	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,4-Dichlorophenol	41,400.000		880	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,4-Dimethylphenol	41,600.000		1500	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,4-Dinitrophenol	43,000.000		6400	10000	ug/L
SSTDICV040	ICVBP091424	Water	2,4-Dinitrotoluene	42,700.000		1500	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,6-Dinitrotoluene	41,600.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	2-Chloronaphthalene	39,300.000		970	5000	ug/L
SSTDICV040	ICVBP091424	Water	2-Chlorophenol	40,700.000		710	5000	ug/L
SSTDICV040	ICVBP091424	Water	2-Methylnaphthalene	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	2-Methylphenol	39,000.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	2-Nitroaniline	41,900.000		1400	5000	ug/L
SSTDICV040	ICVBP091424	Water	2-Nitrophenol	42,900.000		2000	5000	ug/L
SSTDICV040	ICVBP091424	Water	3+4-Methylphenols	41,100.000		1200	10000	ug/L
SSTDICV040	ICVBP091424	Water	3,3-Dichlorobenzidine	43,600.000		1300	10000	ug/L
SSTDICV040	ICVBP091424	Water	3-Nitroaniline	42,200.000		1400	5000	ug/L
SSTDICV040	ICVBP091424	Water	4,6-Dinitro-2-methylphenol	43,200.000		3100	10000	ug/L
SSTDICV040	ICVBP091424	Water	4-Bromophenyl-phenylether	40,700.000		950	5000	ug/L
SSTDICV040	ICVBP091424	Water	4-Chloro-3-methylphenol	39,700.000		840	5000	ug/L
SSTDICV040	ICVBP091424	Water	4-Chloroaniline	40,700.000		1300	5000	ug/L
SSTDICV040	ICVBP091424	Water	4-Chlorophenyl-phenylether	38,800.000		980	5000	ug/L
SSTDICV040	ICVBP091424	Water	4-Nitroaniline	42,700.000		2000	5000	ug/L
SSTDICV040	ICVBP091424	Water	4-Nitrophenol	44,400.000		2000	10000	ug/L
SSTDICV040	ICVBP091424	Water	Acenaphthene	38,700.000		810	5000	ug/L
SSTDICV040	ICVBP091424	Water	Acenaphthylene	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	Acetophenone	29,800.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	Aniline	47,900.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP091424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP091424	Water	Anthracene	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	Atrazine	40,800.000		1300	5000	ug/L
SSTDICV040	ICVBP091424	Water	Azobenzene	39,500.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	Benzaldehyde	53,900.000		4000	10000	ug/L
SSTDICV040	ICVBP091424	Water	Benzidine	27,300.000		4100	10000	ug/L
SSTDICV040	ICVBP091424	Water	Benzo(a)anthracene	40,400.000		940	5000	ug/L
SSTDICV040	ICVBP091424	Water	Benzo(a)pyrene	40,600.000		1700	5000	ug/L
SSTDICV040	ICVBP091424	Water	Benzo(b)fluoranthene	38,600.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	Benzo(g,h,i)perylene	39,000.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	Benzo(k)fluoranthene	38,100.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	Benzoic acid	44,700.000		5500	10000	ug/L
SSTDICV040	ICVBP091424	Water	Benzyl Alcohol	40,200.000		1600	10000	ug/L
SSTDICV040	ICVBP091424	Water	bis(2-Chloroethoxy)methane	40,300.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	bis(2-Chloroethyl)ether	41,900.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	Bis(2-ethylhexyl)phthalate	43,200.000		1900	5000	ug/L
SSTDICV040	ICVBP091424	Water	Butylbenzylphthalate	43,900.000		2100	5000	ug/L
SSTDICV040	ICVBP091424	Water	Caprolactam	42,900.000		1700	10000	ug/L
SSTDICV040	ICVBP091424	Water	Carbazole	39,500.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	Chrysene	39,300.000		860	5000	ug/L
SSTDICV040	ICVBP091424	Water	Di-n-butylphthalate	38,200.000		1500	5000	ug/L
SSTDICV040	ICVBP091424	Water	Di-n-octyl phthalate	41,300.000		2500	10000	ug/L
SSTDICV040	ICVBP091424	Water	Dibenzo(a,h)anthracene	38,900.000		1200	5000	ug/L
SSTDICV040	ICVBP091424	Water	Dibenzofuran	39,100.000		930	5000	ug/L
SSTDICV040	ICVBP091424	Water	Diethylphthalate	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	Dimethylphthalate	39,600.000		930	5000	ug/L
SSTDICV040	ICVBP091424	Water	Fluoranthene	40,300.000		1300	5000	ug/L
SSTDICV040	ICVBP091424	Water	Fluorene	38,500.000		960	5000	ug/L
SSTDICV040	ICVBP091424	Water	Hexachlorobenzene	40,300.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	Hexachlorobutadiene	39,000.000		1300	5000	ug/L
SSTDICV040	ICVBP091424	Water	Hexachlorocyclopentadiene	44,200.000		5000	10000	ug/L
SSTDICV040	ICVBP091424	Water	Hexachloroethane	42,000.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	Indeno(1,2,3-cd)pyrene	39,500.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	Isophorone	40,800.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	n-Nitroso-di-n-propylamine	40,100.000		1500	2500	ug/L
SSTDICV040	ICVBP091424	Water	n-Nitrosodimethylamine	44,600.000		1000	10000	ug/L
SSTDICV040	ICVBP091424	Water	n-Nitrosodiphenylamine	40,200.000		890	5000	ug/L
SSTDICV040	ICVBP091424	Water	Naphthalene	39,000.000		1000	5000	ug/L
SSTDICV040	ICVBP091424	Water	Nitrobenzene	35,000.000		1300	5000	ug/L
SSTDICV040	ICVBP091424	Water	Pentachlorophenol	43,600.000		1900	10000	ug/L
SSTDICV040	ICVBP091424	Water	Phenanthrene	39,700.000		890	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP091424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP091424	Water	Phenol	48,500.000		930	5000	ug/L
SSTDICV040	ICVBP091424	Water	Pyrene	41,000.000		1100	5000	ug/L
SSTDICV040	ICVBP091424	Water	Pyridine	41,900.000		1600	5000	ug/L
SSTDICV040	ICVBP091424	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	84,300.000		2700	10000	ug/L
SSTDICV040	ICVBP091424	Water	Total PAH	631,400.000		17360	80000	ug/L
			Total Svoc :	**3,981,100.00**				
			Total Concentration:	**3,981,100.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091424 SAS No.: BP091424 SDG No.: BP091424

Instrument ID: Calibration Date(s): 9/14/2024

Calibration Time(s): 12:19

LAB FILE ID: RRF2.5 = BP021917.D RRF005 = BP021918.D RRF010 = BP021919.D
RRF020 = BP021920.D RRF040 = BP021921.D RRF050 = BP021922.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.828	0.864	0.606	0.571	0.741	0.696	17.2
Pyridine		1.530	1.548	1.078	1.202	1.784	1.402	17.2
2-Fluorophenol		1.528	1.577	0.769	1.038	1.006	1.109	28.5
Benzaldehyde		0.727	0.774	0.834	0.730	0.683	0.707	12.5
Aniline		1.162	1.191	1.294	1.240	1.265	1.239	5.5
Phenol-d6		1.284	1.320	1.426	1.386	1.411	1.376	4.9
Phenol		1.341	1.312	1.455	1.391	1.402	1.387	4.8
bis(2-Chloroethyl)ether		1.083	1.095	1.162	1.128	1.070	1.102	4.5
2-Chlorophenol		1.147	1.117	1.188	1.138	1.131	1.141	2.7
1,2-Dichlorobenzene		2.080	1.476	1.422	1.350	1.330	1.477	18.4
1,3-Dichlorobenzene		1.551	1.476	1.465	1.396	1.377	1.427	5.2
1,4-Dichlorobenzene		1.566	1.490	1.497	1.410	1.373	1.447	5.0
Benzyl Alcohol		1.321	0.977	0.995	0.973	1.109	1.071	11.4
2-Methylphenol		1.274	0.909	0.959	0.942	0.993	1.008	12.1
2,2-oxybis(1-Chloropropane)		1.987	1.181	1.422	1.369	1.215	1.399	19.8
Acetophenone		0.501	0.343	0.494	0.526	0.465	0.477	14.3
3+4-Methylphenols		1.705	1.254	1.362	0.983	1.423	1.376	19.3
n-Nitroso-di-n-propylamine	0.872	1.298	0.921	0.940	0.674	0.988	0.963	20.5
Nitrobenzene-d5		0.360	0.259	0.366	0.386	0.367	0.353	12.2
Hexachloroethane		0.748	0.566	0.523	0.374	0.512	0.537	25.2
Nitrobenzene		0.391	0.272	0.389	0.397	0.374	0.368	11.9
Isophorone		0.597	0.620	0.632	0.637	0.651	0.634	4.0
2-Nitrophenol		0.127	0.135	0.147	0.163	0.166	0.154	11.6
2,4-Dimethylphenol		0.176	0.184	0.196	0.197	0.197	0.193	5.0
bis(2-Chloroethoxy)methane		0.411	0.410	0.414	0.391	0.386	0.399	3.2
2,4-Dichlorophenol		0.285	0.294	0.316	0.320	0.321	0.312	5.3
1,2,4-Trichlorobenzene		0.406	0.386	0.385	0.383	0.363	0.381	3.6
Benzoic acid		0.142	0.170	0.189	0.208	0.243	0.206	20.0
Naphthalene		1.089	1.036	1.006	0.996	0.965	1.007	4.4
4-Chloroaniline		0.364	0.361	0.373	0.366	0.379	0.370	2.8
Hexachlorobutadiene		0.267	0.248	0.254	0.270	0.246	0.256	4.0
Caprolactam		0.080	0.090	0.094	0.094	0.110	0.097	11.5
4-Chloro-3-methylphenol		0.297	0.320	0.333	0.344	0.374	0.339	8.9
2-Methylnaphthalene		0.724	0.727	0.733	0.735	0.759	0.733	3.8
Hexachlorocyclopentadiene		0.180	0.183	0.198	0.181	0.157	0.183	9.9
2,4,6-Trichlorophenol		0.333	0.344	0.379	0.399	0.302	0.354	11.7

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.: BP091424 SAS No.: BP091424 SDG No.: BP091424

Instrument ID: Calibration Date(s): 9/14/2024

Calibration Time(s): 12:19

LAB FILE ID: RRF2.5 = BP021917.D RRF005 = BP021918.D RRF010 = BP021919.D
RRF020 = BP021920.D RRF040 = BP021921.D RRF050 = BP021922.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.386	1.334	1.328	1.316	0.973	1.260	10.9
2,4,5-Trichlorophenol		0.391	0.406	0.435	0.442	0.342	0.404	10.4
1,1-Biphenyl		1.438	1.388	1.395	1.382	1.294	1.363	3.8
2-Chloronaphthalene		1.172	1.097	1.102	1.114	1.050	1.100	3.4
2-Nitroaniline		0.245	0.270	0.289	0.298	0.312	0.291	8.7
Dimethylphthalate		1.438	1.421	1.439	1.380	1.381	1.399	2.6
Acenaphthylene		1.515	1.532	1.597	1.587	1.550	1.559	1.9
2,6-Dinitrotoluene		0.269	0.302	0.316	0.318	0.323	0.310	6.4
3-Nitroaniline		0.240	0.268	0.294	0.292	0.303	0.286	8.3
Acenaphthene		1.080	1.028	1.047	1.025	0.976	1.017	3.9
2,4-Dinitrophenol		0.114	0.128	0.151	0.163	0.178	0.158	18.0
4-Nitrophenol		0.185	0.227	0.253	0.253	0.267	0.244	11.9
Dibenzofuran		1.819	1.768	1.756	1.675	1.629	1.701	4.7
2,4-Dinitrotoluene		0.347	0.388	0.435	0.432	0.450	0.420	9.2
Diethylphthalate		1.414	1.460	1.444	1.372	1.384	1.405	2.7
4-Chlorophenyl-phenylether		0.778	0.758	0.756	0.714	0.708	0.732	4.5
Fluorene		1.425	1.442	1.421	1.334	1.317	1.362	4.9
4-Nitroaniline		0.240	0.287	0.317	0.313	0.325	0.303	9.9
4,6-Dinitro-2-methylphenol		0.077	0.084	0.100	0.108	0.113	0.103	16.4
n-Nitrosodiphenylamine		0.516	0.525	0.520	0.522	0.508	0.516	2.1
Azobenzene		1.208	1.290	1.305	1.225	1.249	1.243	3.6
2,4,6-Tribromophenol		0.234	0.244	0.254	0.250	0.257	0.251	3.6
4-Bromophenyl-phenylether		0.193	0.193	0.203	0.200	0.197	0.200	2.9
Hexachlorobenzene		0.233	0.238	0.241	0.239	0.234	0.238	1.8
Atrazine		0.173	0.186	0.196	0.188	0.183	0.185	4.2
Pentachlorophenol		0.120	0.140	0.160	0.164	0.167	0.157	12.6
Phenanthrene		1.042	1.016	0.999	0.957	0.924	0.973	4.8
Anthracene		0.937	0.958	0.969	0.941	0.910	0.937	2.6
Carbazole		0.921	0.957	0.976	0.929	0.902	0.923	3.8
Di-n-butylphthalate		0.914	1.014	1.093	1.064	1.046	1.038	6.0
Fluoranthene		1.219	1.292	1.335	1.250	1.221	1.248	4.0
Benzidine		0.267	0.386	0.363	0.308	0.322	0.315	17.2
Pyrene		1.311	1.243	1.269	1.281	1.314	1.286	2.8
Terphenyl-d14		1.015	0.980	1.004	0.980	0.986	0.986	3.2
Butylbenzylphthalate		0.363	0.405	0.451	0.468	0.489	0.452	11.2
3,3-Dichlorobenzidine		0.356	0.402	0.439	0.451	0.442	0.418	7.9

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.: BP091424 SAS No.: BP091424 SDG No.: BP091424

Instrument ID: Calibration Date(s): 9/14/2024

Calibration Time(s): 12:19

LAB FILE ID: RRF2.5 = BP021917.D RRF005 = BP021918.D RRF010 = BP021919.D
RRF020 = BP021920.D RRF040 = BP021921.D RRF050 = BP021922.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.289	1.274	1.304	1.285	1.260	1.279	2.0
Chrysene		1.291	1.239	1.223	1.210	1.191	1.218	3.6
Bis(2-ethylhexyl)phthalate		0.528	0.636	0.680	0.715	0.707	0.672	10.7
Di-n-octyl phthalate			0.957	1.076	1.173	1.208	1.148	9.8
Benzo(b)fluoranthene		0.935	1.126	1.718	1.193	1.174	1.222	19.5
Benzo(k)fluoranthene		1.006	1.091	1.676	1.127	1.086	1.177	19.1
Benzo(a)pyrene		0.925	0.966	1.047	1.036	1.005	1.011	4.9
Indeno(1,2,3-cd)pyrene		1.231	1.245	1.321	1.272	1.260	1.270	2.3
Dibenzo(a,h)anthracene		1.050	1.051	1.092	1.053	1.032	1.056	1.8
Benzo(g,h,i)perylene		1.082	1.074	1.152	1.105	1.087	1.102	2.4
1,2,4,5-Tetrachlorobenzene		0.608	0.575	0.599	0.504	0.436	0.540	13.6
1,4-Dioxane		0.721	0.702	0.473	0.431	0.595	0.556	22.3
2,3,4,6-Tetrachlorophenol		0.349	0.370	0.398	0.386	0.393	0.383	4.7
1-Methylnaphthalene		0.739	0.722	0.727	0.744	0.755	0.733	4.4

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091424 SAS No.: BP091424 SDG NO.: BP091424

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 14 2024 12:00AM

Lab File ID: BP021921.D Time Analyzed: 18:27

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	187479	7.752	483453	10.52	480577	14.37
	UPPER LIMIT	374958	8.252	966906	11.016	961154	14.869
	LOWER LIMIT	93739.5	7.252	241726.5	10.016	240288.5	13.869
	EPA SAMPLE NO.						
01	ICVBP091424	134661	7.75	721820	10.51	528359	14.35
02	PB163076BL	107408	7.75	395754	10.51	262861	14.35

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.: BP091424 SAS No.: BP091424 SDG NO.: BP091424

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 14 2024 12:00AM

Lab File ID: BP021921.D Time Analyzed: 18:27

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	187479	7.752	483453	10.52	480577	14.37
	UPPER LIMIT	374958	8.252	966906	11.016	961154	14.869
	LOWER LIMIT	93739.5	7.252	241726.5	10.016	240288.5	13.869
	EPA SAMPLE NO.						
01	ICVBP091424	134661	7.75	721820	10.51	528359	14.35
02	PB163076BL	107408	7.75	395754	10.51	262861	14.35

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.: BP091424 SAS No.: BP091424 SDG NO.: BP091424

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 14 2024 12:00AM

Lab File ID: BP021921.D Time Analyzed: 18:27

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	1.07218e+0(	17.157	1.11561e+	21.592	1.28875e+0(	24.904
	UPPER LIMIT	2144360	17.657	2231220	22.092	2577500	25.404
	LOWER LIMIT	536090	16.657	557805	21.092	644375	24.404
	EPA SAMPLE NO.						
01	ICVBP091424	1.19921	17.15	1.20285e+	21.59	1.35469e+	24.89
02	PB163076BL	570406	17.14	530302 *	21.57	546986 *	24.89

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.: BP091424 SAS No.: BP091424 SDG NO.: BP091424

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 14 2024 12:00AM

Lab File ID: BP021921.D Time Analyzed: 18:27

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	1.07218e+0(	17.157	1.11561e+	21.592	1.28875e+0(	24.904
	UPPER LIMIT	2144360	17.657	2231220	22.092	2577500	25.404
	LOWER LIMIT	536090	16.657	557805	21.092	644375	24.404
	EPA SAMPLE NO.						
01	ICVBP091424	1.19921	17.15	1.20285e+	21.59	1.35469e+	24.89
02	PB163076BL	570406	17.14	530302 *	21.57	546986 *	24.89

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.

ICVBP091424

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091424 SAS No.: BP091424 SDG NO.: BP091424

Lab File ID: BP021925.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 09/14/2024

Level: (low/med) LOW Time Analyzed: 18:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP091424	SSTDICV040	BP021925.D	09/14/2024

COMMENTS:

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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163076BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091424 SAS No.: BP091424 SDG NO.: BP091424

Lab File ID: BP021926.D Lab Sample ID: PB163076BL

Instrument ID: BNA_P Date Extracted: 08/30/2024

Matrix: (soil/water) Solid Date Analyzed: 09/14/2024

Level: (low/med) LOW Time Analyzed: 19:08

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.: BP091424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP091424	BP021925.D	2-Fluorophenol	150	105,008.00	70005	*	10	139
			Phenol-d6	150	96,027.00	64018	*	10	134
			Nitrobenzene-d5	100	64,730.00	64730	*	49	133
			2-Fluorobiphenyl	100	80,218.00	80218	*	52	132
			2,4,6-Tribromophenol	150	84,053.00	56035	*	44	137
			Terphenyl-d14	100	82,832.00	82832	*	48	125

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Surrogate Summary

SW-846

SDG No.: BP091424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB163076BL	PB163076BL	BP021926.D	2-Fluorophenol	150	154.77	103		18	112
			Phenol-d6	150	152.55	102		15	107
			Nitrobenzene-d5	100	108.26	108	*	18	107
			2-Fluorobiphenyl	100	106.92	107		20	109
			2,4,6-Tribromophenol	150	163.56	109		10	116
			Terphenyl-d14	100	114.18	114	*	10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP091424

Lab Code: CHEM SAS No.: BP091424 SDG NO.: BP091424

Lab File ID: BP021916.D DFTPP Injection Date: 09/14/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	31.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	38
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	29.7
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	95.5
443	15.0 - 24.0% of mass 442	18.4 (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
SSTDICC2.5	SSTDICC2.5	BP021917.D	09/14/2024	12:19
SSTDICC005	SSTDICC005	BP021918.D	09/14/2024	13:00
SSTDICC010	SSTDICC010	BP021919.D	09/14/2024	13:41
SSTDICC020	SSTDICC020	BP021920.D	09/14/2024	14:22
SSTDICCC040	SSTDICCC040	BP021921.D	09/14/2024	15:02
SSTDICC050	SSTDICC050	BP021922.D	09/14/2024	15:43
SSTDICC060	SSTDICC060	BP021923.D	09/14/2024	16:24
SSTDICC080	SSTDICC080	BP021924.D	09/14/2024	17:05
ICVBP091424	SSTDICV040	BP021925.D	09/14/2024	18:27
PB163076BL	PB163076BL	BP021926.D	09/14/2024	19:08