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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091924 SAS No.: BP091924 SDG No.: BP091924

Instrument ID: BNA_P Calibration Date/Time: 9/19/2024 12 15:39

Lab File ID: BP021952.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	0.622	0.605		-2.733	
Pyridine	1.179	1.165		-1.187	
2-Fluorophenol	1.064	1.059		-0.47	
Benzaldehyde	0.722	0.736		1.939	
Aniline	1.214	1.207		-0.577	
Phenol-d6	1.382	1.363		-1.375	
Phenol	1.372	1.350		-1.603	20.0
bis(2-Chloroethyl)ether	1.034	1.012		-2.128	
2-Chlorophenol	1.138	1.139		0.088	
1,2-Dichlorobenzene	1.398	1.394		-0.286	
1,3-Dichlorobenzene	1.437	1.420		-1.183	
1,4-Dichlorobenzene	1.457	1.446		-0.755	20.0
Benzyl Alcohol	1.060	1.061		0.094	
2-Methylphenol	0.927	0.949		2.373	
2,2-oxybis(1-Chloropropane)	1.102	1.092		-0.907	
Acetophenone	0.488	0.468		-4.098	
3+4-Methylphenols	1.309	1.321		0.917	
n-Nitroso-di-n-propylamine	0.859	0.878	0.050	2.212	
Nitrobenzene-d5	0.378	0.370		-2.116	
Hexachloroethane	0.536	0.537		0.187	
Nitrobenzene	0.384	0.378		-1.563	
Isophorone	0.623	0.618		-0.803	
2-Nitrophenol	0.168	0.168		0.0	20.0
2,4-Dimethylphenol	0.194	0.193		-0.515	
bis(2-Chloroethoxy)methane	0.374	0.368		-1.604	
2,4-Dichlorophenol	0.330	0.335		1.515	20.0
1,2,4-Trichlorobenzene	0.411	0.402		-2.19	
Benzoic acid	0.227	0.235		3.524	
Naphthalene	0.998	0.974		-2.405	
4-Chloroaniline	0.360	0.363		0.833	
Hexachlorobutadiene	0.321	0.310		-3.427	20.0
Caprolactam	0.098	0.099		1.02	
4-Chloro-3-methylphenol	0.354	0.354		0.0	20.0
2-Methylnaphthalene	0.730	0.712		-2.466	
Hexachlorocyclopentadiene	0.260	0.254	0.050	-2.308	
2,4,6-Trichlorophenol	0.429	0.432		0.699	20.0
2-Fluorobiphenyl	1.370	1.328		-3.066	
2,4,5-Trichlorophenol	0.482	0.479		-0.622	
1,1-Biphenyl	1.364	1.321		-3.152	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091924 SAS No.: BP091924 SDG No.: BP091924

Instrument ID: BNA_P Calibration Date/Time: 9/19/2024 12 15:39

Lab File ID: BP021952.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	1.103	1.077		-2.357	
2-Nitroaniline	0.301	0.316		4.983	
Dimethylphthalate	1.451	1.433		-1.241	
Acenaphthylene	1.556	1.558		0.129	
2,6-Dinitrotoluene	0.323	0.326		0.929	
3-Nitroaniline	0.288	0.300		4.167	
Acenaphthene	1.013	0.994		-1.876	20.0
2,4-Dinitrophenol	0.189	0.194	0.050	2.646	
4-Nitrophenol	0.251	0.267	0.050	6.375	
Dibenzofuran	1.702	1.666		-2.115	
2,4-Dinitrotoluene	0.457	0.468		2.407	
Diethylphthalate	1.474	1.434		-2.714	
4-Chlorophenyl-phenylether	0.828	0.795		-3.986	
Fluorene	1.421	1.394		-1.9	
4-Nitroaniline	0.317	0.329		3.785	
4,6-Dinitro-2-methylphenol	0.116	0.119		2.586	
n-Nitrosodiphenylamine	0.498	0.500		0.402	20.0
Azobenzene	1.220	1.205		-1.23	
2,4,6-Tribromophenol	0.371	0.361		-2.695	
4-Bromophenyl-phenylether	0.233	0.228		-2.146	
Hexachlorobenzene	0.291	0.285		-2.062	
Atrazine	0.178	0.160		-10.112	
Pentachlorophenol	0.196	0.198		1.02	20.0
Phenanthrene	0.960	0.946		-1.458	
Anthracene	0.929	0.926		-0.323	
Carbazole	0.898	0.914		1.782	
Di-n-butylphthalate	1.054	1.029		-2.372	
Fluoranthene	1.340	1.339		-0.075	20.0
Benzidine	0.244	0.404		65.574	
Pyrene	1.210	1.215		0.413	
Terphenyl-d14	1.065	1.063		-0.188	
Butylbenzylphthalate	0.432	0.433		0.231	
3,3-Dichlorobenzidine	0.466	0.498		6.867	
Benzo(a)anthracene	1.285	1.265		-1.556	
Chrysene	1.210	1.186		-1.983	
Bis(2-ethylhexyl)phthalate	0.633	0.610		-3.633	
Di-n-octyl phthalate	1.076	1.046		-2.788	20.0
Benzo(b)fluoranthene	1.183	1.200		1.437	
Benzo(k)fluoranthene	1.119	1.096		-2.055	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091924 SAS No.: BP091924 SDG No.: BP091924

Instrument ID: BNA_P Calibration Date/Time: 9/19/2024 12 15:39

Lab File ID: BP021952.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	1.019	1.025		0.589	20.0
Indeno(1,2,3-cd)pyrene	1.330	1.325		-0.376	
Dibenzo(a,h)anthracene	1.098	1.081		-1.548	
Benzo(g,h,i)perylene	1.125	1.133		0.711	
1,2,4,5-Tetrachlorobenzene	0.700	0.689		-1.571	
1,4-Dioxane	0.442	0.432		-2.262	20.0
2,3,4,6-Tetrachlorophenol	0.465	0.458		-1.505	
1-Methylnaphthalene	0.721	0.704		-2.358	

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:	ICVBP091924			SDG No.:	BP091924
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
BP021956.D	1		9/19/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37100		1000	8000	10000	ug/L
110-86-1	Pyridine	37700		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40700		4000	8000	10000	ug/L
62-53-3	Aniline	39200		1600	4000	5000	ug/L
108-95-2	Phenol	38800		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39500		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39100		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38300		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39300		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39000		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	40300		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40400		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40000		1400	4000	5000	ug/L
98-86-2	Acetophenone	39400		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39900		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41100		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39000		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40100		1300	4000	5000	ug/L
78-59-1	Isophorone	41500		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	41300		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41300		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40700		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39400		1100	4000	5000	ug/L
65-85-0	Benzoic acid	41600		5500	8000	10000	ug/L
91-20-3	Naphthalene	39600		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40100		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39700		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP091924		SDG No.:	BP091924	
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
BP021956.D	1		9/19/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	40700		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40600		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40100		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39300		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	40100		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38900		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	41500		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39900		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39300		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	40500		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	40600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39100		810	4000	5000	ug/L
Total PAH	Total PAH	634600		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	41900		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	41200		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39300		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	41200		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	81700		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	40400		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39500		980	4000	5000	ug/L
86-73-7	Fluorene	39200		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	40600		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42100		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40100		890	4000	5000	ug/L
103-33-3	Azobenzene	39300		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40600		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40200		1100	4000	5000	ug/L
1912-24-9	Atrazine	35900		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP091924			SDG No.:	BP091924
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
BP021956.D	1		9/19/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	40500		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39100		890	4000	5000	ug/L
120-12-7	Anthracene	39400		1100	4000	5000	ug/L
86-74-8	Carbazole	40000		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42100		1500	4000	5000	ug/L
206-44-0	Fluoranthene	40700		1300	4000	5000	ug/L
92-87-5	Benzidine	57200		4100	8000	10000	ug/L
129-00-0	Pyrene	40200		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	44000		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	42500		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40500		940	4000	5000	ug/L
218-01-9	Chrysene	39600		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44600		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	44900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	39400		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39800		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40500		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39400		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39200		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39600		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38500		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	37500		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39800		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39600		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77466	*	10-139		51644	SPK: -150
13127-88-3	Phenol-d6	78189	*	10-134		52126	SPK: -150
4165-60-0	Nitrobenzene-d5	80399	*	49-133		80399	SPK: -100
321-60-8	2-Fluorobiphenyl	77828	*	52-132		77828	SPK: -100

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP091924			SDG No.:	BP091924
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
BP021956.D	1		9/19/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81916	*	44-137		54611	SPK: -150
1718-51-0	Terphenyl-d14	81703	*	48-125		81703	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	106476	7.71				
1146-65-2	Naphthalene-d8	399166	10.481				
15067-26-2	Acenaphthene-d10	301010	14.34				
1517-22-2	Phenanthrene-d10	719896	17.128				
1719-03-5	Chrysene-d12	826145	21.569				
1520-96-3	Perylene-d12	985621	24.863				

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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.:	BP091924
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
BP021957.D	1	8/30/2024 12:00:00 AM	9/19/2024 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.:	BP091924
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
BP021957.D	1	8/30/2024 12:00:00 AM	9/19/2024 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

Alliance TECHNICAL GROUP
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.:	BP091924
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
BP021957.D	1	8/30/2024 12:00:00 AM	9/19/2024 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	147.076		18-112	98		SPK: -150
13127-88-3	Phenol-d6	138.994		15-107	93		SPK: -150
4165-60-0	Nitrobenzene-d5	96.053		18-107	96		SPK: -100
321-60-8	2-Fluorobiphenyl	95.495		20-109	95		SPK: -100

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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.:	BP091924
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
BP021957.D	1	8/30/2024 12:00:00 AM	9/19/2024 12:00:00 AM	PB163076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.984		10-116		101	SPK: -150
1718-51-0	Terphenyl-d14	106.858	*	10-105		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88929	7.71				
1146-65-2	Naphthalene-d8	318704	10.475				
15067-26-2	Acenaphthene-d10	226148	14.328				
1517-22-2	Phenanthrene-d10	554324	17.128				
1719-03-5	Chrysene-d12	694617	21.551				
1520-96-3	Perylene-d12	768030	24.845				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.875	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BP091924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP091924**							
SSTDICV040	ICVBP091924	Water	1,1-Biphenyl	38,900.000		910	5000	ug/L
SSTDICV040	ICVBP091924	Water	1,2,4,5-Tetrachlorobenzene	38,500.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	1,2,4-Trichlorobenzene	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	1,2-Dichlorobenzene	38,300.000		880	5000	ug/L
SSTDICV040	ICVBP091924	Water	1,3-Dichlorobenzene	39,300.000		800	5000	ug/L
SSTDICV040	ICVBP091924	Water	1,4-Dichlorobenzene	39,000.000		840	5000	ug/L
SSTDICV040	ICVBP091924	Water	1,4-Dioxane	37,500.000		1300	5000	ug/L
SSTDICV040	ICVBP091924	Water	1-Methylnaphthalene	39,600.000		860	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,2-oxybis(1-Chloropropane)	40,000.000		1400	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,3,4,6-Tetrachlorophenol	39,800.000		790	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,4,5-Trichlorophenol	40,100.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,4,6-Trichlorophenol	40,200.000		890	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,4-Dichlorophenol	40,700.000		880	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,4-Dimethylphenol	41,300.000		1500	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,4-Dinitrophenol	41,900.000		6400	10000	ug/L
SSTDICV040	ICVBP091924	Water	2,4-Dinitrotoluene	41,200.000		1500	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,6-Dinitrotoluene	40,500.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	2-Chloronaphthalene	39,500.000		970	5000	ug/L
SSTDICV040	ICVBP091924	Water	2-Chlorophenol	39,100.000		710	5000	ug/L
SSTDICV040	ICVBP091924	Water	2-Methylnaphthalene	40,100.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	2-Methylphenol	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	2-Nitroaniline	41,500.000		1400	5000	ug/L
SSTDICV040	ICVBP091924	Water	2-Nitrophenol	41,300.000		2000	5000	ug/L
SSTDICV040	ICVBP091924	Water	3+4-Methylphenols	39,900.000		1200	10000	ug/L
SSTDICV040	ICVBP091924	Water	3,3-Dichlorobenzidine	42,500.000		1300	10000	ug/L
SSTDICV040	ICVBP091924	Water	3-Nitroaniline	40,600.000		1400	5000	ug/L
SSTDICV040	ICVBP091924	Water	4,6-Dinitro-2-methylphenol	42,100.000		3100	10000	ug/L
SSTDICV040	ICVBP091924	Water	4-Bromophenyl-phenylether	40,600.000		950	5000	ug/L
SSTDICV040	ICVBP091924	Water	4-Chloro-3-methylphenol	40,600.000		840	5000	ug/L
SSTDICV040	ICVBP091924	Water	4-Chloroaniline	40,100.000		1300	5000	ug/L
SSTDICV040	ICVBP091924	Water	4-Chlorophenyl-phenylether	39,500.000		980	5000	ug/L
SSTDICV040	ICVBP091924	Water	4-Nitroaniline	40,600.000		2000	5000	ug/L
SSTDICV040	ICVBP091924	Water	4-Nitrophenol	41,200.000		2000	10000	ug/L
SSTDICV040	ICVBP091924	Water	Acenaphthene	39,100.000		810	5000	ug/L
SSTDICV040	ICVBP091924	Water	Acenaphthylene	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	Acetophenone	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	Aniline	39,200.000		1600	5000	ug/L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BP091924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP091924	Water	Anthracene	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	Atrazine	35,900.000		1300	5000	ug/L
SSTDICV040	ICVBP091924	Water	Azobenzene	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	Benzaldehyde	40,700.000		4000	10000	ug/L
SSTDICV040	ICVBP091924	Water	Benzidine	57,200.000		4100	10000	ug/L
SSTDICV040	ICVBP091924	Water	Benzo(a)anthracene	40,500.000		940	5000	ug/L
SSTDICV040	ICVBP091924	Water	Benzo(a)pyrene	40,500.000		1700	5000	ug/L
SSTDICV040	ICVBP091924	Water	Benzo(b)fluoranthene	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	Benzo(g,h,i)perylene	39,600.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	Benzo(k)fluoranthene	39,800.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	Benzoic acid	41,600.000		5500	10000	ug/L
SSTDICV040	ICVBP091924	Water	Benzyl Alcohol	40,300.000		1600	10000	ug/L
SSTDICV040	ICVBP091924	Water	bis(2-Chloroethoxy)methane	40,300.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	bis(2-Chloroethyl)ether	39,500.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	Bis(2-ethylhexyl)phthalate	44,600.000		1900	5000	ug/L
SSTDICV040	ICVBP091924	Water	Butylbenzylphthalate	44,000.000		2100	5000	ug/L
SSTDICV040	ICVBP091924	Water	Caprolactam	40,700.000		1700	10000	ug/L
SSTDICV040	ICVBP091924	Water	Carbazole	40,000.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	Chrysene	39,600.000		860	5000	ug/L
SSTDICV040	ICVBP091924	Water	Di-n-butylphthalate	42,100.000		1500	5000	ug/L
SSTDICV040	ICVBP091924	Water	Di-n-octyl phthalate	44,900.000		2500	10000	ug/L
SSTDICV040	ICVBP091924	Water	Dibenzo(a,h)anthracene	39,200.000		1200	5000	ug/L
SSTDICV040	ICVBP091924	Water	Dibenzofuran	39,300.000		930	5000	ug/L
SSTDICV040	ICVBP091924	Water	Diethylphthalate	40,400.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	Dimethylphthalate	39,900.000		930	5000	ug/L
SSTDICV040	ICVBP091924	Water	Fluoranthene	40,700.000		1300	5000	ug/L
SSTDICV040	ICVBP091924	Water	Fluorene	39,200.000		960	5000	ug/L
SSTDICV040	ICVBP091924	Water	Hexachlorobenzene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	Hexachlorobutadiene	39,700.000		1300	5000	ug/L
SSTDICV040	ICVBP091924	Water	Hexachlorocyclopentadiene	39,300.000		5000	10000	ug/L
SSTDICV040	ICVBP091924	Water	Hexachloroethane	39,000.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	Indeno(1,2,3-cd)pyrene	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	Isophorone	41,500.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	n-Nitroso-di-n-propylamine	41,100.000		1500	2500	ug/L
SSTDICV040	ICVBP091924	Water	n-Nitrosodimethylamine	37,100.000		1000	10000	ug/L
SSTDICV040	ICVBP091924	Water	n-Nitrosodiphenylamine	40,100.000		890	5000	ug/L
SSTDICV040	ICVBP091924	Water	Naphthalene	39,600.000		1000	5000	ug/L
SSTDICV040	ICVBP091924	Water	Nitrobenzene	40,100.000		1300	5000	ug/L
SSTDICV040	ICVBP091924	Water	Pentachlorophenol	40,500.000		1900	10000	ug/L
SSTDICV040	ICVBP091924	Water	Phenanthrene	39,100.000		890	5000	ug/L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BP091924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP091924	Water	Phenol	38,800.000		930	5000	ug/L
SSTDICV040	ICVBP091924	Water	Pyrene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBP091924	Water	Pyridine	37,700.000		1600	5000	ug/L
SSTDICV040	ICVBP091924	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	81,700.000		2700	10000	ug/L
SSTDICV040	ICVBP091924	Water	Total PAH	634,600.000		17360	80000	ug/L
			Total Svoc :	**3,941,100.00**				
			Total Concentration:	**3,941,100.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091924 SAS No.: BP091924 SDG No.: BP091924

Instrument ID: Calibration Date(s): 9/19/2024

Calibration Time(s): 12:55

LAB FILE ID: RRF2.5 = BP021948.D RRF005 = BP021949.D RRF010 = BP021950.D
RRF020 = BP021951.D RRF040 = BP021952.D RRF050 = BP021953.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.695	0.631	0.625	0.605	0.591	0.622	5.8
Pyridine		1.259	1.202	1.162	1.165	1.131	1.179	3.5
2-Fluorophenol		1.087	1.063	1.107	1.059	1.021	1.064	2.6
Benzaldehyde		0.826	0.837	0.819	0.736	0.667	0.722	15.7
Aniline		1.243	1.213	1.205	1.207	1.185	1.214	1.6
Phenol-d6		1.346	1.337	1.392	1.363	1.346	1.382	3.6
Phenol		1.415	1.316	1.354	1.350	1.345	1.372	3.3
bis(2-Chloroethyl)ether		1.031	1.022	1.051	1.012	1.006	1.034	2.2
2-Chlorophenol		1.152	1.118	1.177	1.139	1.104	1.138	2.1
1,2-Dichlorobenzene		1.514	1.401	1.421	1.394	1.326	1.398	4.3
1,3-Dichlorobenzene		1.527	1.463	1.474	1.420	1.379	1.437	3.8
1,4-Dichlorobenzene		1.547	1.472	1.487	1.446	1.396	1.457	3.5
Benzyl Alcohol		0.991	1.029	1.041	1.061	1.089	1.060	4.1
2-Methylphenol		0.840	0.918	0.940	0.949	0.932	0.927	4.4
2,2-oxybis(1-Chloropropane)		1.175	1.097	1.127	1.092	1.075	1.102	3.5
Acetophenone		0.523	0.484	0.498	0.468	0.482	0.488	3.8
3+4-Methylphenols		1.247	1.279	1.291	1.321	1.326	1.309	3.1
n-Nitroso-di-n-propylamine	0.727	0.861	0.867	0.863	0.878	0.878	0.859	6.5
Nitrobenzene-d5		0.385	0.370	0.385	0.370	0.379	0.378	2.1
Hexachloroethane		0.564	0.529	0.542	0.537	0.515	0.536	3.0
Nitrobenzene		0.397	0.378	0.397	0.378	0.380	0.384	2.6
Isophorone		0.606	0.610	0.616	0.618	0.634	0.623	2.6
2-Nitrophenol		0.154	0.154	0.169	0.168	0.175	0.168	6.2
2,4-Dimethylphenol		0.194	0.186	0.195	0.193	0.196	0.194	2.5
bis(2-Chloroethoxy)methane		0.393	0.369	0.377	0.368	0.372	0.374	2.8
2,4-Dichlorophenol		0.312	0.318	0.331	0.335	0.332	0.330	3.5
1,2,4-Trichlorobenzene		0.431	0.417	0.416	0.402	0.402	0.411	3.0
Benzoic acid		0.184	0.202	0.218	0.235	0.250	0.227	11.9
Naphthalene		1.060	1.004	1.007	0.974	0.977	0.998	3.1
4-Chloroaniline		0.355	0.353	0.363	0.363	0.364	0.360	1.7
Hexachlorobutadiene		0.355	0.329	0.316	0.310	0.311	0.321	5.0
Caprolactam		0.094	0.096	0.093	0.099	0.102	0.098	4.1
4-Chloro-3-methylphenol		0.333	0.337	0.345	0.354	0.372	0.354	4.8
2-Methylnaphthalene		0.739	0.739	0.716	0.712	0.742	0.730	2.0
Hexachlorocyclopentadiene		0.259	0.252	0.263	0.254	0.257	0.260	2.8
2,4,6-Trichlorophenol		0.420	0.418	0.419	0.432	0.439	0.429	2.6

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.: BP091924 SAS No.: BP091924 SDG No.: BP091924

Instrument ID: Calibration Date(s): 9/19/2024

Calibration Time(s): 12:55

LAB FILE ID: RRF2.5 = BP021948.D RRF005 = BP021949.D RRF010 = BP021950.D
RRF020 = BP021951.D RRF040 = BP021952.D RRF050 = BP021953.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.479	1.395	1.368	1.328	1.329	1.370	4.0
2,4,5-Trichlorophenol		0.465	0.468	0.479	0.479	0.496	0.482	2.9
1,1-Biphenyl		1.434	1.392	1.390	1.321	1.328	1.364	3.3
2-Chloronaphthalene		1.144	1.123	1.109	1.077	1.077	1.103	2.5
2-Nitroaniline		0.263	0.281	0.300	0.316	0.315	0.301	7.3
Dimethylphthalate		1.500	1.483	1.430	1.433	1.434	1.451	2.3
Acenaphthylene		1.518	1.548	1.567	1.558	1.569	1.556	1.5
2,6-Dinitrotoluene		0.309	0.320	0.326	0.326	0.327	0.323	2.7
3-Nitroaniline		0.262	0.280	0.282	0.300	0.301	0.288	5.0
Acenaphthene		1.054	1.003	1.019	0.994	1.008	1.013	2.1
2,4-Dinitrophenol		0.161	0.168	0.173	0.194	0.203	0.189	11.7
4-Nitrophenol		0.213	0.232	0.254	0.267	0.268	0.251	8.5
Dibenzofuran		1.779	1.750	1.712	1.666	1.660	1.702	2.9
2,4-Dinitrotoluene		0.421	0.441	0.444	0.468	0.473	0.457	4.9
Diethylphthalate		1.488	1.502	1.445	1.434	1.461	1.474	2.5
4-Chlorophenyl-phenylether		0.847	0.844	0.818	0.795	0.804	0.828	2.7
Fluorene		1.461	1.447	1.413	1.394	1.388	1.421	1.9
4-Nitroaniline		0.285	0.306	0.316	0.329	0.328	0.317	5.4
4,6-Dinitro-2-methylphenol		0.095	0.106	0.114	0.119	0.121	0.116	10.7
n-Nitrosodiphenylamine		0.500	0.498	0.507	0.500	0.488	0.498	1.4
Azobenzene		1.205	1.250	1.243	1.205	1.213	1.220	1.8
2,4,6-Tribromophenol		0.357	0.367	0.350	0.361	0.378	0.371	4.7
4-Bromophenyl-phenylether		0.237	0.229	0.234	0.228	0.229	0.233	2.0
Hexachlorobenzene		0.297	0.286	0.293	0.285	0.283	0.291	2.2
Atrazine		0.207	0.205	0.202	0.160	0.166	0.178	14.3
Pentachlorophenol		0.176	0.185	0.192	0.198	0.201	0.196	6.4
Phenanthrene		0.993	0.962	0.975	0.946	0.942	0.960	2.2
Anthracene		0.939	0.919	0.944	0.926	0.916	0.929	1.8
Carbazole		0.905	0.903	0.912	0.914	0.878	0.898	2.0
Di-n-butylphthalate		1.039	1.038	1.021	1.029	1.044	1.054	3.4
Fluoranthene		1.356	1.367	1.325	1.339	1.304	1.340	1.7
Benzidine		0.294	0.295	0.188	0.404	0.201	0.244	38.1
Pyrene		1.166	1.166	1.192	1.215	1.237	1.210	3.0
Terphenyl-d14		1.048	1.039	1.024	1.063	1.057	1.065	3.2
Butylbenzylphthalate		0.406	0.403	0.405	0.433	0.438	0.432	6.6
3,3-Dichlorobenzidine		0.464	0.469	0.476	0.498	0.454	0.466	3.7

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.: BP091924 SAS No.: BP091924 SDG No.: BP091924

Instrument ID: Calibration Date(s): 9/19/2024

Calibration Time(s): 12:55

LAB FILE ID: RRF2.5 = BP021948.D RRF005 = BP021949.D RRF010 = BP021950.D
RRF020 = BP021951.D RRF040 = BP021952.D RRF050 = BP021953.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.324	1.260	1.282	1.265	1.265	1.285	1.9
Chrysene		1.252	1.183	1.212	1.186	1.186	1.210	2.2
Bis(2-ethylhexyl)phthalate		0.615	0.611	0.588	0.610	0.630	0.633	6.6
Di-n-octyl phthalate		1.085	1.005	0.994	1.046	1.055	1.076	6.9
Benzo(b)fluoranthene		1.156	1.150	1.170	1.200	1.190	1.183	2.0
Benzo(k)fluoranthene		1.117	1.099	1.095	1.096	1.129	1.119	2.3
Benzo(a)pyrene		1.004	0.975	1.006	1.025	1.034	1.019	2.5
Indeno(1,2,3-cd)pyrene		1.386	1.302	1.324	1.325	1.307	1.330	2.1
Dibenzo(a,h)anthracene		1.153	1.103	1.085	1.081	1.058	1.098	2.6
Benzo(g,h,i)perylene		1.154	1.090	1.108	1.133	1.115	1.125	2.0
1,2,4,5-Tetrachlorobenzene		0.735	0.695	0.709	0.689	0.683	0.700	2.7
1,4-Dioxane		0.504	0.451	0.441	0.432	0.427	0.442	7.0
2,3,4,6-Tetrachlorophenol		0.452	0.470	0.458	0.458	0.469	0.465	2.7
1-Methylnaphthalene		0.733	0.728	0.709	0.704	0.729	0.721	2.0

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.: BP091924 SAS No.: BP091924 SDG NO.: BP091924

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BP021952.D Time Analyzed: 18:25

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	91883	7.716	358569	10.48	261486	14.33
	UPPER LIMIT	183766	8.216	717138	10.975	522972	14.828
	LOWER LIMIT	45941.5	7.216	179284.5	9.975	130743	13.828
	EPA SAMPLE NO.						
01	ICVBP091924	106476	7.71	399166	10.48	301010	14.34
02	PB163076BL	88929	7.71	318704	10.48	226148	14.33

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.: BP091924 SAS No.: BP091924 SDG NO.: BP091924

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BP021952.D Time Analyzed: 18:25

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	91883	7.716	358569	10.48	261486	14.33
	UPPER LIMIT	183766	8.216	717138	10.975	522972	14.828
	LOWER LIMIT	45941.5	7.216	179284.5	9.975	130743	13.828
	EPA SAMPLE NO.						
01	ICVBP091924	106476	7.71	399166	10.48	301010	14.34
02	PB163076BL	88929	7.71	318704	10.48	226148	14.33

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.: BP091924 SAS No.: BP091924 SDG NO.: BP091924

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BP021952.D Time Analyzed: 18:25

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	623363	17.139	722700	21.563	853679	24.868
	UPPER LIMIT	1246726	17.639	1445400	22.063	1707358	25.368
	LOWER LIMIT	311681.5	16.639	361350	21.063	426839.5	24.368
	EPA SAMPLE NO.						
01	ICVBP091924	719896	17.13	826145	21.57	985621	24.86
02	PB163076BL	554324	17.13	694617	21.55	768030	24.85

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.: BP091924 SAS No.: BP091924 SDG NO.: BP091924

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BP021952.D Time Analyzed: 18:25

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	623363	17.139	722700	21.563	853679	24.868
	UPPER LIMIT	1246726	17.639	1445400	22.063	1707358	25.368
	LOWER LIMIT	311681.5	16.639	361350	21.063	426839.5	24.368
	EPA SAMPLE NO.						
01	ICVBP091924	719896	17.13	826145	21.57	985621	24.86
02	PB163076BL	554324	17.13	694617	21.55	768030	24.85

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.

ICVBP091924

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091924 SAS No.: BP091924 SDG NO.: BP091924

Lab File ID: BP021956.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 09/19/2024

Level: (low/med) LOW Time Analyzed: 18:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP091924	SSTDICV040	BP021956.D	09/19/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163076BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091924 SAS No.: BP091924 SDG NO.: BP091924

Lab File ID: BP021957.D Lab Sample ID: PB163076BL

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

Matrix: (soil/water) Solid Date Analyzed: 09/19/2024

Level: (low/med) LOW Time Analyzed: 19:06

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.: BP091924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP091924	BP021956.D	2-Fluorophenol	150	77,466.00	51644	*	10	139
			Phenol-d6	150	78,189.00	52126	*	10	134
			Nitrobenzene-d5	100	80,399.00	80399	*	49	133
			2-Fluorobiphenyl	100	77,828.00	77828	*	52	132
			2,4,6-Tribromophenol	150	81,916.00	54611	*	44	137
			Terphenyl-d14	100	81,703.00	81703	*	48	125

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Surrogate Summary

SW-846

SDG No.: BP091924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB163076BL	PB163076BL	BP021957.D	2-Fluorophenol	150	147.08	98		18	112
			Phenol-d6	150	138.99	93		15	107
			Nitrobenzene-d5	100	96.05	96		18	107
			2-Fluorobiphenyl	100	95.50	95		20	109
			2,4,6-Tribromophenol	150	151.98	101		10	116
			Terphenyl-d14	100	106.86	107	*	10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP091924

Lab Code: CHEM SAS No.: BP091924 SDG NO.: BP091924

Lab File ID: BP021947.D DFTPP Injection Date: 09/19/2024

Instrument ID: BNA_P DFTPP Injection Time: 12:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.4
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	27.8
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35.5
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	6.2
275	10.0 - 60.0% of mass 198	26.6
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP021948.D	09/19/2024	12:55
SSTDICC005	SSTDICC005	BP021949.D	09/19/2024	13:36
SSTDICC010	SSTDICC010	BP021950.D	09/19/2024	14:17
SSTDICC020	SSTDICC020	BP021951.D	09/19/2024	14:58
SSTDICCC040	SSTDICCC040	BP021952.D	09/19/2024	15:39
SSTDICC050	SSTDICC050	BP021953.D	09/19/2024	16:21
SSTDICC060	SSTDICC060	BP021954.D	09/19/2024	17:02
SSTDICC080	SSTDICC080	BP021955.D	09/19/2024	17:44
ICVBP091924	SSTDICV040	BP021956.D	09/19/2024	18:25
PB163076BL	PB163076BL	BP021957.D	09/19/2024	19:06