

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG No.: BM071724

Instrument ID: BNA_M Calibration Date/Time: 7/18/2024 1:03:12

Lab File ID: BM046687.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	0.649	0.651		0.308	
Pyridine	0.876	0.862		-1.598	
2-Fluorophenol	0.985	0.988		0.305	
Benzaldehyde	0.765	0.764		-0.131	
Aniline	1.084	1.084		0.0	
Phenol-d6	1.254	1.264		0.797	
Phenol	1.219	1.210		-0.657	20.0
bis(2-Chloroethyl)ether	0.905	0.893		-1.326	
2-Chlorophenol	1.102	1.125		2.087	
1,2-Dichlorobenzene	1.408	1.418		0.71	
1,3-Dichlorobenzene	1.456	1.461		0.343	
1,4-Dichlorobenzene	1.478	1.494		1.083	20.0
Benzyl Alcohol	1.021	1.018		-0.294	
2-Methylphenol	0.868	0.875		0.806	
2,2-oxybis(1-Chloropropane)	0.946	0.949		0.317	
Acetophenone	0.460	0.462		0.435	
3+4-Methylphenols	1.192	1.210		1.51	
n-Nitroso-di-n-propylamine	0.792	0.802	0.050	1.263	
Nitrobenzene-d5	0.385	0.391		1.558	
Hexachloroethane	0.537	0.553		2.98	
Nitrobenzene	0.378	0.374		-1.058	
Isophorone	0.579	0.590		1.9	
2-Nitrophenol	0.181	0.182		0.552	20.0
2,4-Dimethylphenol	0.196	0.197		0.51	
bis(2-Chloroethoxy)methane	0.330	0.332		0.606	
2,4-Dichlorophenol	0.353	0.354		0.283	20.0
1,2,4-Trichlorobenzene	0.432	0.439		1.62	
Benzoic acid	0.239	0.245		2.51	
Naphthalene	0.994	1.002		0.805	
4-Chloroaniline	0.370	0.377		1.892	
Hexachlorobutadiene	0.292	0.298		2.055	20.0
Caprolactam	0.093	0.094		1.075	
4-Chloro-3-methylphenol	0.326	0.330		1.227	20.0
2-Methylnaphthalene	0.754	0.764		1.326	
Hexachlorocyclopentadiene	0.159	0.171	0.050	7.547	
2,4,6-Trichlorophenol	0.428	0.431		0.701	20.0
2-Fluorobiphenyl	1.416	1.428		0.847	
2,4,5-Trichlorophenol	0.477	0.479		0.419	
1,1-Biphenyl	1.391	1.387		-0.288	

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_M Calibration Date/Time: 7/18/2024 1:03:12

Lab File ID: BM046687.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	1.150	1.157		0.609	
2-Nitroaniline	0.302	0.308		1.987	
Dimethylphthalate	1.383	1.386		0.217	
Acenaphthylene	1.598	1.613		0.939	
2,6-Dinitrotoluene	0.320	0.324		1.25	
3-Nitroaniline	0.289	0.298		3.114	
Acenaphthene	1.025	1.030		0.488	20.0
2,4-Dinitrophenol	0.162	0.168	0.050	3.704	
4-Nitrophenol	0.251	0.256	0.050	1.992	
Dibenzofuran	1.735	1.751		0.922	
2,4-Dinitrotoluene	0.463	0.478		3.24	
Diethylphthalate	1.427	1.465		2.663	
4-Chlorophenyl-phenylether	0.797	0.805		1.004	
Fluorene	1.483	1.494		0.742	
4-Nitroaniline	0.326	0.333		2.147	
4,6-Dinitro-2-methylphenol	0.104	0.105		0.962	
n-Nitrosodiphenylamine	0.519	0.523		0.771	20.0
Azobenzene	1.159	1.180		1.812	
2,4,6-Tribromophenol	0.310	0.315		1.613	
4-Bromophenyl-phenylether	0.226	0.227		0.442	
Hexachlorobenzene	0.273	0.270		-1.099	
Atrazine	0.182	0.160		-12.088	
Pentachlorophenol	0.194	0.192		-1.031	20.0
Phenanthrene	0.993	0.983		-1.007	
Anthracene	0.983	0.983		0.0	
Carbazole	0.930	0.923		-0.753	
Di-n-butylphthalate	1.040	1.067		2.596	
Fluoranthene	1.276	1.256		-1.567	20.0
Benzidine	0.400	0.378		-5.5	
Pyrene	1.424	1.460		2.528	
Terphenyl-d14	1.106	1.139		2.984	
Butylbenzylphthalate	0.514	0.546		6.226	
3,3-Dichlorobenzidine	0.460	0.473		2.826	
Benzo(a)anthracene	1.323	1.332		0.68	
Chrysene	1.234	1.245		0.891	
Bis(2-ethylhexyl)phthalate	0.686	0.710		3.499	
Di-n-octyl phthalate	1.156	1.191		3.028	20.0
Benzo(b)fluoranthene	1.231	1.228		-0.244	
Benzo(k)fluoranthene	1.162	1.159		-0.258	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG No.: BM071724
 Instrument ID: BNA_M Calibration Date/Time: 7/18/2024 1:03:12
 Lab File ID: BM046687.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	1.065	1.064		-0.094	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.278		-1.389	
Dibenzo(a,h)anthracene	1.076	1.058		-1.581	
Benzo(g,h,i)perylene	1.110	1.092		-1.622	
1,2,4,5-Tetrachlorobenzene	0.650	0.652		0.308	
1,4-Dioxane	0.299	0.293		-2.007	20.0
2,3,4,6-Tetrachlorophenol	0.440	0.441		0.227	
1-Methylnaphthalene	0.741	0.750		1.215	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM071724			SDG No.:	BM071724		
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
BM046691.D	1		7/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39900		1000	8000	10000	ug/L
110-86-1	Pyridine	41100		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	39100		4000	8000	10000	ug/L
62-53-3	Aniline	40300		1600	4000	5000	ug/L
108-95-2	Phenol	39400		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39000		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39400		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39100		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38600		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38900		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39900		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39900		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38600		1400	4000	5000	ug/L
98-86-2	Acetophenone	40200		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	40200		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39600		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39900		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39400		1300	4000	5000	ug/L
78-59-1	Isophorone	40400		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40500		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40100		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38800		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	39800		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39000		1100	4000	5000	ug/L
65-85-0	Benzoic acid	40500		5500	8000	10000	ug/L
91-20-3	Naphthalene	40200		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40500		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38000		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM071724			SDG No.:	BM071724		
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
BM046691.D	1		7/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41100		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39900		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39900		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	42200		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39800		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39400		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39900		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	40400		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	41400		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	40000		930	4000	5000	ug/L
208-96-8	Acenaphthylene	41100		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41400		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	42000		1400	4000	5000	ug/L
83-32-9	Acenaphthene	40400		810	4000	5000	ug/L
Total PAH	Total PAH	644800		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	39300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	42900		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	40200		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	41000		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	82400		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39800		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39600		980	4000	5000	ug/L
86-73-7	Fluorene	39700		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41100		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41400		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41100		890	4000	5000	ug/L
103-33-3	Azobenzene	40200		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40100		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40200		1100	4000	5000	ug/L
1912-24-9	Atrazine	34700		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM071724			SDG No.:	BM071724		
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
BM046691.D	1		7/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	41200		1900	8000	10000	ug/L
85-01-8	Phenanthrene	40500		890	4000	5000	ug/L
120-12-7	Anthracene	40700		1100	4000	5000	ug/L
86-74-8	Carbazole	41000		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	39800		1500	4000	5000	ug/L
206-44-0	Fluoranthene	41500		1300	4000	5000	ug/L
92-87-5	Benzidine	31400		4100	8000	10000	ug/L
129-00-0	Pyrene	39800		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	38800		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41000		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40000		940	4000	5000	ug/L
218-01-9	Chrysene	40400		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38200		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	39300		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	41300		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39200		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39700		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39900		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	38800		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	40100		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40000		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	78878	*	10-139		52585	SPK: -150
13127-88-3	Phenol-d6	79681	*	10-134		53121	SPK: -150
4165-60-0	Nitrobenzene-d5	80510	*	49-133		80510	SPK: -100
321-60-8	2-Fluorobiphenyl	79999	*	52-132		79999	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBM071724	SDG No.:	BM071724
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
BM046691.D	1		7/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79809	*	32-145		53206	SPK: -150
1718-51-0	Terphenyl-d14	77569	*	36-145		77569	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95183	7.487				
1146-65-2	Naphthalene-d8	351202	10.251				
15067-26-2	Acenaphthene-d10	266010	14.133				
1517-22-2	Phenanthrene-d10	621602	16.886				
1719-03-5	Chrysene-d12	597770	21.121				
1520-96-3	Perylene-d12	680680	23.88				



Client:				Date Collected:	7/16/2024 12:00:00 AM	
Project:				Date Received:	7/16/2024 12:00:00 AM	
Client Sample ID:	PB162084BL			SDG No.:	BM071724	
Lab Sample ID:	PB162084BL			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
BM046692.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

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

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BL	SDG No.:	BM071724
Lab Sample ID:	PB162084BL	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
BM046692.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

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

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BL	SDG No.:	BM071724
Lab Sample ID:	PB162084BL	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
BM046692.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

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	134.298		18-112		90	SPK: -150
13127-88-3	Phenol-d6	125.146		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	87.452		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	89.761		20-109		90	SPK: -100

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BL	SDG No.:	BM071724
Lab Sample ID:	PB162084BL	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
BM046692.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	121.853		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	89.827		14-112		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92251	7.487				
1146-65-2	Naphthalene-d8	319371	10.245				
15067-26-2	Acenaphthene-d10	214046	14.133				
1517-22-2	Phenanthrene-d10	452216	16.886				
1719-03-5	Chrysene-d12	497447	21.115				
1520-96-3	Perylene-d12	572060	23.88				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			4.687	

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	HD-01-07152024	SDG No.:	BM071724
Lab Sample ID:	P3255-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046693.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.7	U	55.7	170	210	ug/Kg
110-86-1	Pyridine	51.3	U	51.3	83.4	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.2	U	62.2	83.4	110	ug/Kg
108-95-2	Phenol	53.2	U	53.2	83.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.7	U	53.7	83.4	110	ug/Kg
95-57-8	2-Chlorophenol	53.6	U	53.6	83.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.3	U	54.3	83.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.2	U	55.2	83.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.5	U	55.5	83.4	110	ug/Kg
100-51-6	Benzyl Alcohol	53.3	U	53.3	170	210	ug/Kg
95-48-7	2-Methylphenol	51.7	U	51.7	83.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.3	U	58.3	83.4	110	ug/Kg
98-86-2	Acetophenone	55.8	U	55.8	83.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.2	U	51.2	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.9	U	25.9	51.4	51.4	ug/Kg
67-72-1	Hexachloroethane	53.3	U	53.3	83.4	110	ug/Kg
98-95-3	Nitrobenzene	58.3	U	58.3	83.4	110	ug/Kg
78-59-1	Isophorone	54.3	U	54.3	83.4	110	ug/Kg
88-75-5	2-Nitrophenol	60.7	U	60.7	83.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.8	U	59.8	83.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.1	U	55.1	83.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.5	U	48.5	83.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.8	U	54.8	83.4	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53	U	53	83.4	110	ug/Kg
106-47-8	4-Chloroaniline	53	U	53	83.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.5	U	53.5	83.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	HD-01-07152024	SDG No.:	BM071724
Lab Sample ID:	P3255-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.04 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
BM046693.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.7	U	55.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.7	U	49.7	83.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	53	U	53	83.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.8	U	45.8	83.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.5	U	47.5	83.4	110	ug/Kg
92-52-4	1,1-Biphenyl	56.1	U	56.1	83.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.5	U	53.5	83.4	110	ug/Kg
88-74-4	2-Nitroaniline	61	U	61	83.4	110	ug/Kg
131-11-3	Dimethylphthalate	52.4	U	52.4	83.4	110	ug/Kg
208-96-8	Acenaphthylene	55.5	U	55.5	83.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.4	U	53.4	83.4	110	ug/Kg
99-09-2	3-Nitroaniline	57.3	U	57.3	83.4	110	ug/Kg
83-32-9	Acenaphthene	57.6	J	52.1	83.4	110	ug/Kg
Total PAH	Total PAH	4928.2		850.5	83.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.5	U	74.5	170	210	ug/Kg
132-64-9	Dibenzofuran	54.2	U	54.2	83.4	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.3	U	55.3	83.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.7	U	108.7	83.4	220	ug/Kg
84-66-2	Diethylphthalate	51.4	U	51.4	83.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.9	U	54.9	83.4	110	ug/Kg
86-73-7	Fluorene	60.3	J	54.9	83.4	110	ug/Kg
100-01-6	4-Nitroaniline	68.7	U	68.7	83.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.1	U	75.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.4	U	52.4	83.4	110	ug/Kg
103-33-3	Azobenzene	51.1	U	51.1	83.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.6	U	50.6	83.4	110	ug/Kg
118-74-1	Hexachlorobenzene	54.6	U	54.6	83.4	110	ug/Kg
1912-24-9	Atrazine	58.7	U	58.7	83.4	110	ug/Kg



Client:				Date Collected:	7/15/2024 12:00:00 AM	
Project:				Date Received:	7/15/2024 12:00:00 AM	
Client Sample ID:	HD-01-07152024			SDG No.:	BM071724	
Lab Sample ID:	P3255-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.6	
Sample Wt/Vol:	50.04	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
BM046693.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.6	U	49.6	170	210	ug/Kg
85-01-8	Phenanthrene	640		53.9	83.4	110	ug/Kg
120-12-7	Anthracene	160		54.2	83.4	110	ug/Kg
86-74-8	Carbazole	65	J	51.5	83.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.1	U	54.1	83.4	110	ug/Kg
206-44-0	Fluoranthene	990		52.4	83.4	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	680		53.3	83.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.1	U	62.1	83.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.3	U	63.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	390		51.8	83.4	110	ug/Kg
218-01-9	Chrysene	430		51	83.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.4	U	58.4	83.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.6	U	70.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	460		52.1	83.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	180		53	83.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	390		59.7	83.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200		50.1	83.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70.3	J	52.1	83.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		51.4	83.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.7	U	55.7	83.4	110	ug/Kg
123-91-1	1,4-Dioxane	70.6	U	70.6	83.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.9	U	47.9	83.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.4	U	53.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.521		18-112		50	SPK: -150
13127-88-3	Phenol-d6	77.16		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	53.219		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	55.311		20-109		55	SPK: -100



Client:				Date Collected:	7/15/2024 12:00:00 AM	
Project:				Date Received:	7/15/2024 12:00:00 AM	
Client Sample ID:	HD-01-07152024			SDG No.:	BM071724	
Lab Sample ID:	P3255-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.6	
Sample Wt/Vol:	50.04	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
BM046693.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	80.481		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	57.05		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74082	7.487				
1146-65-2	Naphthalene-d8	263475	10.245				
15067-26-2	Acenaphthene-d10	184211	14.133				
1517-22-2	Phenanthrene-d10	436954	16.886				
1719-03-5	Chrysene-d12	511501	21.115				
1520-96-3	Perylene-d12	584516	23.88				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	65.5	A			4.687	
000613-12-7	Anthracene, 2-methyl-	140	J			17.762	
000832-69-9	Phenanthrene, 1-methyl-	310	J			17.821	
002531-84-2	Phenanthrene, 2-methyl-	64.4	J			17.892	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	210	J			17.957	
000883-20-5	Phenanthrene, 9-methyl-	82.4	J			17.992	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	79.2	J			18.274	
000084-65-1	9,10-Anthracenedione	140	J			18.31	
003674-66-6	Phenanthrene, 2,5-dimethyl-	120	J			18.698	
	unknown18.757	70.8	J			18.757	
005737-13-3	Cyclopenta(def)phenanthrenone	97.6	J			18.833	
002381-21-7	Pyrene, 1-methyl-	59.9	J			19.657	
000243-17-4	11H-Benzo[b]fluorene	63.8	J			19.827	
003442-78-2	Pyrene, 2-methyl-	53.7	J			19.98	
015594-90-8	1-Heneicosanol	59.9	J			21.898	
022513-81-1	1,22-Docosanediol	420	J			22.768	
000112-95-8	Eicosane	140	J			23.162	
010192-32-2	1-Tetracosene	790	J			23.215	
000205-82-3	Benzo[j]fluoranthene	240	J			23.627	

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	HD-01-07152024	SDG No.:	BM071724
Lab Sample ID:	P3255-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046693.D	1	7/16/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
018206-97-8	Octacosyl acetate	210	J			25.027	

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	WC-S-03-202407	SDG No.:	BM071724
Lab Sample ID:	P3257-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046694.D	1	7/17/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	WC-S-03-202407	SDG No.:	BM071724
Lab Sample ID:	P3257-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BM046694.D	1	7/17/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	WC-S-03-202407	SDG No.:	BM071724
Lab Sample ID:	P3257-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046694.D	1	7/17/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	147.887		10-139		99	SPK: -150
13127-88-3	Phenol-d6	141.279		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	96.581		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	99.188		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	WC-S-03-202407	SDG No.:	BM071724
Lab Sample ID:	P3257-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BM046694.D	1	7/17/2024 12:00:00 AM	7/18/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	144.011		32-145		96	SPK: -150
1718-51-0	Terphenyl-d14	105.624		36-145		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90578	7.487				
1146-65-2	Naphthalene-d8	325388	10.245				
15067-26-2	Acenaphthene-d10	218812	14.133				
1517-22-2	Phenanthrene-d10	486746	16.886				
1719-03-5	Chrysene-d12	475938	21.115				
1520-96-3	Perylene-d12	560715	23.885				

Hit Summary Sheet SW-846

SDG No.: BM071724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : HD-01-07152024								
P3255-01	HD-01-07152024	Solid	1,22-Docosanediol	*	420.000	J		
P3255-01	HD-01-07152024	Solid	1-Heneicosanol	*	59.900	J		
P3255-01	HD-01-07152024	Solid	1-Tetracosene	*	790.000	J		
P3255-01	HD-01-07152024	Solid	11H-Benzo[b]fluorene	*	63.800	J		
P3255-01	HD-01-07152024	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	65.500	A		
P3255-01	HD-01-07152024	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	79.200	J		
P3255-01	HD-01-07152024	Solid	9,10-Anthracenedione	*	140.000	J		
P3255-01	HD-01-07152024	Solid	Anthracene, 2-methyl-	*	140.000	J		
P3255-01	HD-01-07152024	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	210.000	J		
P3255-01	HD-01-07152024	Solid	Benzo[j]fluoranthene	*	240.000	J		
P3255-01	HD-01-07152024	Solid	Cyclopenta(def)phenanthrenone	*	97.600	J		
P3255-01	HD-01-07152024	Solid	Eicosane	*	140.000	J		
P3255-01	HD-01-07152024	Solid	Octacosyl acetate	*	210.000	J		
P3255-01	HD-01-07152024	Solid	Phenanthrene, 1-methyl-	*	310.000	J		
P3255-01	HD-01-07152024	Solid	Phenanthrene, 2,5-dimethyl-	*	120.000	J		
P3255-01	HD-01-07152024	Solid	Phenanthrene, 2-methyl-	*	64.400	J		
P3255-01	HD-01-07152024	Solid	Phenanthrene, 9-methyl-	*	82.400	J		
P3255-01	HD-01-07152024	Solid	Pyrene, 1-methyl-	*	59.900	J		
P3255-01	HD-01-07152024	Solid	Pyrene, 2-methyl-	*	53.700	J		
P3255-01	HD-01-07152024	Solid	unknown18.757	*	70.800	J		
Total Tics :				3,417.20				
P3255-01	HD-01-07152024	Solid	Acenaphthene		57.600	J	52.1	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Anthracene		160.000		54.2	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Benzo(a)anthracene		390.000		51.8	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Benzo(a)pyrene		390.000		59.7	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Benzo(b)fluoranthene		460.000		52.1	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Benzo(g,h,i)perylene		220.000		51.4	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Benzo(k)fluoranthene		180.000		53	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Carbazole		65.000	J	51.5	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Chrysene		430.000		51	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Dibenzo(a,h)anthracene		70.300	J	52.1	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Fluoranthene		990.000		52.4	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Fluorene		60.300	J	54.9	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Indeno(1,2,3-cd)pyrene		200.000		50.1	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Phenanthrene		640.000		53.9	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Pyrene		680.000		53.3	110 ug/Kg
P3255-01	HD-01-07152024	Solid	Total PAH		4,928.000		850.5	1760 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	9,921.20				
			Total Concentration:	13,338.40				
Client ID : ICVBM071724								
SSTDICV040	ICVBM071724	Water	1,1-Biphenyl	39,900.000		910	5000	ug/L
SSTDICV040	ICVBM071724	Water	1,2,4,5-Tetrachlorobenzene	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	1,2,4-Trichlorobenzene	39,000.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	1,2-Dichlorobenzene	39,100.000		880	5000	ug/L
SSTDICV040	ICVBM071724	Water	1,3-Dichlorobenzene	38,600.000		800	5000	ug/L
SSTDICV040	ICVBM071724	Water	1,4-Dichlorobenzene	38,900.000		840	5000	ug/L
SSTDICV040	ICVBM071724	Water	1,4-Dioxane	40,100.000		1300	5000	ug/L
SSTDICV040	ICVBM071724	Water	1-Methylnaphthalene	39,700.000		860	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,2-oxybis(1-Chloropropane)	38,600.000		1400	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,3,4,6-Tetrachlorophenol	40,000.000		790	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,4,5-Trichlorophenol	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,4,6-Trichlorophenol	39,800.000		890	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,4-Dichlorophenol	39,800.000		880	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,4-Dimethylphenol	40,100.000		1500	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,4-Dinitrophenol	39,300.000		6400	10000	ug/L
SSTDICV040	ICVBM071724	Water	2,4-Dinitrotoluene	41,000.000		1500	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,6-Dinitrotoluene	41,400.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	2-Chloronaphthalene	40,400.000		970	5000	ug/L
SSTDICV040	ICVBM071724	Water	2-Chlorophenol	39,400.000		710	5000	ug/L
SSTDICV040	ICVBM071724	Water	2-Methylnaphthalene	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	2-Methylphenol	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	2-Nitroaniline	41,400.000		1400	5000	ug/L
SSTDICV040	ICVBM071724	Water	2-Nitrophenol	40,500.000		2000	5000	ug/L
SSTDICV040	ICVBM071724	Water	3+4-Methylphenols	40,200.000		1200	10000	ug/L
SSTDICV040	ICVBM071724	Water	3,3-Dichlorobenzidine	41,000.000		1300	10000	ug/L
SSTDICV040	ICVBM071724	Water	3-Nitroaniline	42,000.000		1400	5000	ug/L
SSTDICV040	ICVBM071724	Water	4,6-Dinitro-2-methylphenol	41,400.000		3100	10000	ug/L
SSTDICV040	ICVBM071724	Water	4-Bromophenyl-phenylether	40,100.000		950	5000	ug/L
SSTDICV040	ICVBM071724	Water	4-Chloro-3-methylphenol	39,900.000		840	5000	ug/L
SSTDICV040	ICVBM071724	Water	4-Chloroaniline	40,500.000		1300	5000	ug/L
SSTDICV040	ICVBM071724	Water	4-Chlorophenyl-phenylether	39,600.000		980	5000	ug/L
SSTDICV040	ICVBM071724	Water	4-Nitroaniline	41,100.000		2000	5000	ug/L
SSTDICV040	ICVBM071724	Water	4-Nitrophenol	42,900.000		2000	10000	ug/L
SSTDICV040	ICVBM071724	Water	Acenaphthene	40,400.000		810	5000	ug/L
SSTDICV040	ICVBM071724	Water	Acenaphthylene	41,100.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	Acetophenone	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	Aniline	40,300.000		1600	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BM071724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM071724	Water	Anthracene	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	Atrazine	34,700.000		1300	5000	ug/L
SSTDICV040	ICVBM071724	Water	Azobenzene	40,200.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	Benzaldehyde	39,100.000		4000	10000	ug/L
SSTDICV040	ICVBM071724	Water	Benzidine	31,400.000		4100	10000	ug/L
SSTDICV040	ICVBM071724	Water	Benzo(a)anthracene	40,000.000		940	5000	ug/L
SSTDICV040	ICVBM071724	Water	Benzo(a)pyrene	40,200.000		1700	5000	ug/L
SSTDICV040	ICVBM071724	Water	Benzo(b)fluoranthene	41,300.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	Benzo(g,h,i)perylene	40,200.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	Benzo(k)fluoranthene	39,200.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	Benzoic acid	40,500.000		5500	10000	ug/L
SSTDICV040	ICVBM071724	Water	Benzyl Alcohol	39,900.000		1600	10000	ug/L
SSTDICV040	ICVBM071724	Water	bis(2-Chloroethoxy)methane	38,800.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	bis(2-Chloroethyl)ether	39,000.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	Bis(2-ethylhexyl)phthalate	38,200.000		1900	5000	ug/L
SSTDICV040	ICVBM071724	Water	Butylbenzylphthalate	38,800.000		2100	5000	ug/L
SSTDICV040	ICVBM071724	Water	Caprolactam	41,100.000		1700	10000	ug/L
SSTDICV040	ICVBM071724	Water	Carbazole	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	Chrysene	40,400.000		860	5000	ug/L
SSTDICV040	ICVBM071724	Water	Di-n-butylphthalate	39,800.000		1500	5000	ug/L
SSTDICV040	ICVBM071724	Water	Di-n-octyl phthalate	39,300.000		2500	10000	ug/L
SSTDICV040	ICVBM071724	Water	Dibenzo(a,h)anthracene	39,900.000		1200	5000	ug/L
SSTDICV040	ICVBM071724	Water	Dibenzofuran	40,200.000		930	5000	ug/L
SSTDICV040	ICVBM071724	Water	Diethylphthalate	39,800.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	Dimethylphthalate	40,000.000		930	5000	ug/L
SSTDICV040	ICVBM071724	Water	Fluoranthene	41,500.000		1300	5000	ug/L
SSTDICV040	ICVBM071724	Water	Fluorene	39,700.000		960	5000	ug/L
SSTDICV040	ICVBM071724	Water	Hexachlorobenzene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	Hexachlorobutadiene	38,000.000		1300	5000	ug/L
SSTDICV040	ICVBM071724	Water	Hexachlorocyclopentadiene	42,200.000		5000	10000	ug/L
SSTDICV040	ICVBM071724	Water	Hexachloroethane	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	Indeno(1,2,3-cd)pyrene	39,700.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	Isophorone	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	n-Nitroso-di-n-propylamine	39,600.000		1500	2500	ug/L
SSTDICV040	ICVBM071724	Water	n-Nitrosodimethylamine	39,900.000		1000	10000	ug/L
SSTDICV040	ICVBM071724	Water	n-Nitrosodiphenylamine	41,100.000		890	5000	ug/L
SSTDICV040	ICVBM071724	Water	Naphthalene	40,200.000		1000	5000	ug/L
SSTDICV040	ICVBM071724	Water	Nitrobenzene	39,400.000		1300	5000	ug/L
SSTDICV040	ICVBM071724	Water	Pentachlorophenol	41,200.000		1900	10000	ug/L
SSTDICV040	ICVBM071724	Water	Phenanthrene	40,500.000		890	5000	ug/L



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BM071724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM071724	Water	Phenol	39,400.000		930	5000	ug/L
SSTDICV040	ICVBM071724	Water	Pyrene	39,800.000		1100	5000	ug/L
SSTDICV040	ICVBM071724	Water	Pyridine	41,100.000		1600	5000	ug/L
SSTDICV040	ICVBM071724	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	82,400.000		2700	10000	ug/L
SSTDICV040	ICVBM071724	Water	Total PAH	644,800.000		17360	80000	ug/L
Total Svoc :				3,920,400.00				
Total Concentration:				3,920,400.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG No.: BM071724
Instrument ID: _____ Calibration Date(s): 7/18/2024 : _____
Calibration Time(s): 00:33 _____

LAB FILE ID:		RRF2.5 = BM046683.D			RRF005 = BM046684.D		RRF010 = BM046685.D	
		RRF020 = BM046686.D			RRF040 = BM046687.D		RRF050 = BM046688.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.637	0.649	0.645	0.651	0.628	0.649	2.2
Pyridine		0.889	0.873	0.853	0.862	0.851	0.876	2.5
2-Fluorophenol		1.008	0.963	1.001	0.988	0.945	0.985	2.3
Benzaldehyde		0.872	0.853	0.847	0.764	0.719	0.765	12.7
Aniline		1.084	1.074	1.115	1.084	1.037	1.084	2.2
Phenol-d6		1.241	1.267	1.265	1.264	1.198	1.254	2.1
Phenol		1.278	1.216	1.228	1.210	1.158	1.219	2.9
bis(2-Chloroethyl)ether		0.953	0.914	0.918	0.893	0.849	0.905	3.5
2-Chlorophenol		1.110	1.105	1.121	1.125	1.048	1.102	2.3
1,2-Dichlorobenzene		1.464	1.428	1.427	1.418	1.333	1.408	2.9
1,3-Dichlorobenzene		1.519	1.449	1.481	1.461	1.389	1.456	2.7
1,4-Dichlorobenzene		1.496	1.462	1.523	1.494	1.416	1.478	2.3
Benzyl Alcohol		1.015	1.044	1.026	1.018	0.986	1.021	1.8
2-Methylphenol		0.878	0.862	0.880	0.875	0.835	0.868	1.8
2,2-oxybis(1-Chloropropane)		1.032	0.941	0.964	0.949	0.899	0.946	4.6
Acetophenone		0.470	0.457	0.467	0.462	0.449	0.460	1.6
3+4-Methylphenols		1.153	1.159	1.214	1.210	1.167	1.192	2.6
n-Nitroso-di-n-propylamine	0.791	0.783	0.781	0.794	0.802	0.778	0.792	1.3
Nitrobenzene-d5		0.383	0.374	0.390	0.391	0.379	0.385	1.7
Hexachloroethane		0.530	0.508	0.552	0.553	0.523	0.537	3.2
Nitrobenzene		0.395	0.372	0.385	0.374	0.371	0.378	2.4
Isophorone		0.585	0.564	0.575	0.590	0.579	0.579	1.4
2-Nitrophenol		0.177	0.170	0.182	0.182	0.179	0.181	3.7
2,4-Dimethylphenol		0.197	0.195	0.193	0.197	0.197	0.196	1.1
bis(2-Chloroethoxy)methane		0.340	0.323	0.337	0.332	0.323	0.330	2.0
2,4-Dichlorophenol		0.360	0.342	0.357	0.354	0.349	0.353	1.7
1,2,4-Trichlorobenzene		0.429	0.423	0.447	0.439	0.425	0.432	1.9
Benzoic acid		0.207	0.224	0.239	0.245	0.249	0.239	7.6
Naphthalene		1.010	0.969	1.002	1.002	0.977	0.994	1.5
4-Chloroaniline		0.358	0.356	0.371	0.377	0.368	0.370	2.7
Hexachlorobutadiene		0.292	0.289	0.304	0.298	0.285	0.292	2.2
Caprolactam		0.088	0.085	0.093	0.094	0.094	0.093	5.7
4-Chloro-3-methylphenol		0.319	0.309	0.323	0.330	0.325	0.326	3.1
2-Methylnaphthalene		0.744	0.734	0.766	0.764	0.752	0.754	1.6
Hexachlorocyclopentadiene		0.125	0.126	0.160	0.171	0.178	0.159	14.9
2,4,6-Trichlorophenol		0.435	0.427	0.439	0.431	0.423	0.428	1.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG No.: BM071724
Instrument ID: _____ Calibration Date(s): 7/18/2024 : _____
Calibration Time(s): 00:33 _____

LAB FILE ID:		RRF2.5 = BM046683.D			RRF005 = BM046684.D		RRF010 = BM046685.D	
		RRF020 = BM046686.D			RRF040 = BM046687.D		RRF050 = BM046688.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.446	1.410	1.445	1.428	1.399	1.416	1.9
2,4,5-Trichlorophenol		0.483	0.466	0.489	0.479	0.471	0.477	1.8
1,1-Biphenyl		1.434	1.382	1.437	1.387	1.373	1.391	2.5
2-Chloronaphthalene		1.198	1.167	1.182	1.157	1.113	1.150	3.2
2-Nitroaniline		0.281	0.294	0.301	0.308	0.304	0.302	3.9
Dimethylphthalate		1.415	1.353	1.409	1.386	1.365	1.383	1.8
Acenaphthylene		1.594	1.562	1.625	1.613	1.578	1.598	1.4
2,6-Dinitrotoluene		0.296	0.306	0.333	0.324	0.322	0.320	4.4
3-Nitroaniline		0.262	0.275	0.299	0.298	0.289	0.289	5.3
Acenaphthene		1.012	1.002	1.048	1.030	1.023	1.025	1.6
2,4-Dinitrophenol			0.111	0.148	0.168	0.172	0.162	17.9
4-Nitrophenol		0.216	0.230	0.259	0.256	0.258	0.251	8.1
Dibenzofuran		1.721	1.712	1.772	1.751	1.704	1.735	1.5
2,4-Dinitrotoluene		0.414	0.436	0.474	0.478	0.471	0.463	5.8
Diethylphthalate		1.421	1.391	1.431	1.465	1.425	1.427	1.7
4-Chlorophenyl-phenylether		0.795	0.780	0.809	0.805	0.792	0.797	1.3
Fluorene		1.445	1.439	1.476	1.494	1.485	1.483	2.2
4-Nitroaniline		0.294	0.322	0.330	0.333	0.327	0.326	4.8
4,6-Dinitro-2-methylphenol			0.082	0.101	0.105	0.109	0.104	11.7
n-Nitrosodiphenylamine		0.516	0.505	0.524	0.523	0.515	0.519	1.5
Azobenzene		1.112	1.132	1.192	1.180	1.160	1.159	2.5
2,4,6-Tribromophenol		0.297	0.298	0.310	0.315	0.313	0.310	3.0
4-Bromophenyl-phenylether		0.223	0.224	0.229	0.227	0.228	0.226	0.9
Hexachlorobenzene		0.279	0.269	0.275	0.270	0.271	0.273	1.3
Atrazine		0.200	0.200	0.205	0.160	0.180	0.182	10.8
Pentachlorophenol		0.182	0.185	0.198	0.192	0.195	0.194	3.9
Phenanthrene		0.990	0.964	1.022	0.983	0.987	0.993	1.9
Anthracene		0.978	0.952	1.001	0.983	0.977	0.983	1.7
Carbazole		0.910	0.913	0.957	0.923	0.920	0.930	1.9
Di-n-butylphthalate		1.001	0.999	1.066	1.067	1.046	1.040	2.8
Fluoranthene		1.232	1.248	1.325	1.256	1.269	1.276	2.7
Benzidine		0.383	0.347	0.434	0.378	0.380	0.400	11.4
Pyrene		1.395	1.355	1.433	1.460	1.427	1.424	2.6
Terphenyl-d14		1.061	1.036	1.106	1.139	1.118	1.106	3.8
Butylbenzylphthalate		0.476	0.485	0.519	0.546	0.522	0.514	4.8
3,3-Dichlorobenzidine		0.439	0.433	0.468	0.473	0.462	0.460	3.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG No.: BM071724
Instrument ID: _____ Calibration Date(s): 7/18/2024 : _____
Calibration Time(s): 00:33 _____

LAB FILE ID:		RRF2.5 = BM046683.D			RRF005 = BM046684.D		RRF010 = BM046685.D	
		RRF020 = BM046686.D			RRF040 = BM046687.D		RRF050 = BM046688.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.344	1.272	1.333	1.332	1.302	1.323	2.0
Chrysene		1.213	1.203	1.243	1.245	1.221	1.234	1.8
Bis(2-ethylhexyl)phthalate		0.683	0.665	0.710	0.710	0.678	0.686	2.8
Di-n-octyl phthalate		1.134	1.098	1.192	1.191	1.155	1.156	2.9
Benzo(b)fluoranthene		1.227	1.185	1.253	1.228	1.225	1.231	2.0
Benzo(k)fluoranthene		1.169	1.125	1.157	1.159	1.153	1.162	1.9
Benzo(a)pyrene		1.058	1.026	1.068	1.064	1.051	1.065	2.3
Indeno(1,2,3-cd)pyrene		1.354	1.266	1.305	1.278	1.260	1.296	2.5
Dibenzo(a,h)anthracene		1.108	1.069	1.083	1.058	1.051	1.076	1.7
Benzo(g,h,i)perylene		1.121	1.094	1.108	1.092	1.091	1.110	1.6
1,2,4,5-Tetrachlorobenzene		0.688	0.653	0.672	0.652	0.635	0.650	3.7
1,4-Dioxane		0.313	0.310	0.307	0.293	0.284	0.299	3.7
2,3,4,6-Tetrachlorophenol		0.426	0.436	0.452	0.441	0.437	0.440	2.0
1-Methylnaphthalene		0.719	0.723	0.745	0.750	0.742	0.741	2.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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.: BM071724 SAS No.: BM071724 SDG NO.: BM071724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 18 2024 12:00AM

Lab File ID: BM046687.D Time Analyzed: 06:31

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	93675	7.487	350003	10.25	269058	14.14
UPPER LIMIT	187350	7.987	700006	10.751	538116	14.639
LOWER LIMIT	46837.5	6.987	175001.5	9.751	134529	13.639
EPA SAMPLE NO.						
01 ICVBM071724	95183	7.49	351202	10.25	266010	14.13
02 PB162084BL	92251	7.49	319371	10.25	214046	14.13
03 HD-01-07152024	74082	7.49	263475	10.25	184211	14.13
04 WC-S-03-202407	90578	7.49	325388	10.25	218812	14.13

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG NO.: BM071724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 18 2024 12:00AM

Lab File ID: BM046687.D Time Analyzed: 06:31

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	93675	7.487	350003	10.25	269058	14.14
UPPER LIMIT	187350	7.987	700006	10.751	538116	14.639
LOWER LIMIT	46837.5	6.987	175001.5	9.751	134529	13.639
EPA SAMPLE NO.						
01 ICVBM071724	95183	7.49	351202	10.25	266010	14.13
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03 HD-01-07152024	74082	7.49	263475	10.25	184211	14.13
04 WC-S-03-202407	90578	7.49	325388	10.25	218812	14.13

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG NO.: BM071724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 18 2024 12:00AM

Lab File ID: BM046687.D Time Analyzed: 06:31

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	643243	16.892	571490	21.121	639500	23.886
UPPER LIMIT	1286486	17.392	1142980	21.621	1279000	24.386
LOWER LIMIT	321621.5	16.392	285745	20.621	319750	23.386
EPA SAMPLE NO.						
01 ICVBM071724	621602	16.89	597770	21.12	680680	23.88
02 PB162084BL	452216	16.89	497447	21.12	572060	23.88
03 HD-01-07152024	436954	16.89	511501	21.12	584516	23.88
04 WC-S-03-202407	486746	16.89	475938	21.12	560715	23.89

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071724 SAS No.: BM071724 SDG NO.: BM071724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 18 2024 12:00AM

Lab File ID: BM046687.D Time Analyzed: 06:31

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	643243	16.892	571490	21.121	639500	23.886
UPPER LIMIT	1286486	17.392	1142980	21.621	1279000	24.386
LOWER LIMIT	321621.5	16.392	285745	20.621	319750	23.386
EPA SAMPLE NO.						
01 ICVBM071724	621602	16.89	597770	21.12	680680	23.88
02 PB162084BL	452216	16.89	497447	21.12	572060	23.88
03 HD-01-07152024	436954	16.89	511501	21.12	584516	23.88
04 WC-S-03-202407	486746	16.89	475938	21.12	560715	23.89

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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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: _____

Client: _____

Analytical Method: _____ DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Low	Limits		RPD
								Qual	Qual		High	High	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBM071724

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071724

SAS No.: BM071724 SDG NO.: BM071724

Lab File ID: BM046691.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 07/18/2024

Level: (low/med) LOW

Time Analyzed: 06:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBM071724	SSTDICV040	BM046691.D	07/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162084BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071724

SAS No.: BM071724 SDG NO.: BM071724

Lab File ID: BM046692.D

Lab Sample ID: PB162084BL

Instrument ID: BNA_M

Date Extracted: 07/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/18/2024

Level: (low/med) LOW

Time Analyzed: 07:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
HD-01-07152024	P3255-01	BM046693.D	07/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-S-03-202407

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071724

SAS No.: BM071724 SDG NO.: BM071724

Lab File ID: BM046694.D

Lab Sample ID: P3257-01

Instrument ID: BNA_M

Date Extracted: 07/17/2024

Matrix: (soil/water) water

Date Analyzed: 07/18/2024

Level: (low/med) LOW

Time Analyzed: 08:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-S-03-202407	P3257-01	BM046694.D	07/18/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BM071724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBM071724	BM046691.D	2-Fluorophenol	150	78,878.00	52585	*	10	139
			Phenol-d6	150	79,681.00	53121	*	10	134
			Nitrobenzene-d5	100	80,510.00	80510	*	49	133
			2-Fluorobiphenyl	100	79,999.00	79999	*	52	132
			2,4,6-Tribromophenol	150	79,809.00	53206	*	32	145
			Terphenyl-d14	100	77,569.00	77569	*	36	145



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BM071724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3255-01	HD-01-07152024	BM046693.D	2-Fluorophenol	150	75.52	50		18	112
			Phenol-d6	150	77.16	51		15	107
			Nitrobenzene-d5	100	53.22	53		18	107
			2-Fluorobiphenyl	100	55.31	55		20	109
			2,4,6-Tribromophenol	150	80.48	54		10	110
			Terphenyl-d14	100	57.05	57		14	112
PB162084BL	PB162084BL	BM046692.D	2-Fluorophenol	150	134.30	90		18	112
			Phenol-d6	150	125.15	83		15	107
			Nitrobenzene-d5	100	87.45	87		18	107
			2-Fluorobiphenyl	100	89.76	90		20	109
			2,4,6-Tribromophenol	150	121.85	81		10	110
			Terphenyl-d14	100	89.83	90		14	112



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Surrogate Summary

SW-846

SDG No.: BM071724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3257-01	WC-S-03-202407	BM046694.D	2-Fluorophenol	150	147.89	99		10	139
			Phenol-d6	150	141.28	94		10	134
			Nitrobenzene-d5	100	96.58	97		49	133
			2-Fluorobiphenyl	100	99.19	99		52	132
			2,4,6-Tribromophenol	150	144.01	96		32	145
			Terphenyl-d14	100	105.62	106		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM071724

Lab Code: CHEM

SAS No.: BM071724 SDG NO.: BM071724

Lab File ID: BM046682.D

DFTPP Injection Date: 07/17/2024

Instrument ID: BNA_M

DFTPP Injection Time: 23:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.4
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	60.6
443	15.0 - 24.0% of mass 442	12 (19.8) 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	BM046683.D	07/18/2024	00:33
SSTDICC005	SSTDICC005	BM046684.D	07/18/2024	01:12
SSTDICC010	SSTDICC010	BM046685.D	07/18/2024	01:52
SSTDICC020	SSTDICC020	BM046686.D	07/18/2024	02:32
SSTDICCC040	SSTDICCC040	BM046687.D	07/18/2024	03:12
SSTDICC050	SSTDICC050	BM046688.D	07/18/2024	03:52
SSTDICC060	SSTDICC060	BM046689.D	07/18/2024	04:32
SSTDICC080	SSTDICC080	BM046690.D	07/18/2024	05:11
ICVBM071724	SSTDICV040	BM046691.D	07/18/2024	06:31
PB162084BL	PB162084BL	BM046692.D	07/18/2024	07:10
HD-01-07152024	P3255-01	BM046693.D	07/18/2024	07:50
WC-S-03-202407	P3257-01	BM046694.D	07/18/2024	08:30