



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN032224 SAS No.: BN032224 SDG No.: BN032224

Instrument ID: BNA_N Calibration Date/Time: 3/21/2024 1:18:27

Lab File ID: BN030452.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.582	0.549		-5.67	20.0
Fluoranthene-d10	0.998	0.911		-8.717	20.0
n-Nitrosodimethylamine	0.498	0.478		-4.016	20.0
2-Fluorophenol	0.988	0.922		-6.68	20.0
Phenol-d6	1.292	1.196		-7.43	20.0
bis(2-Chloroethyl)ether	1.237	1.175		-5.012	20.0
Nitrobenzene-d5	0.308	0.288		-6.494	20.0
Naphthalene	1.156	1.106		-4.325	20.0
Hexachlorobutadiene	0.215	0.208		-3.256	20.0
2-Methylnaphthalene	0.739	0.702		-5.007	20.0
2-Fluorobiphenyl	1.727	1.671		-3.243	20.0
Acenaphthylene	2.055	1.877		-8.662	20.0
Acenaphthene	1.377	1.294		-6.028	20.0
Fluorene	1.836	1.716		-6.536	20.0
4,6-Dinitro-2-methylphenol	0.034	0.029		-14.706	20.0
2,4,6-Tribromophenol	0.146	0.123		-15.753	20.0
4-Bromophenyl-phenylether	0.259	0.237		-8.494	20.0
Hexachlorobenzene	0.313	0.292		-6.709	20.0
Atrazine	0.187	0.161		-13.904	20.0
Pentachlorophenol	0.089	0.071		-20.225	20.0
Phenanthrene	1.280	1.189		-7.109	20.0
Anthracene	1.127	1.009		-10.47	20.0
Fluoranthene	1.448	1.324		-8.564	20.0
Pyrene	2.000	1.909		-4.55	20.0
Terphenyl-d14	0.897	0.840		-6.355	20.0
Benzo(a)anthracene	1.619	1.462		-9.697	20.0
Chrysene	1.718	1.648		-4.075	20.0
Bis(2-ethylhexyl)phthalate	0.687	0.563		-18.049	20.0
Benzo(b)fluoranthene	1.756	1.616		-7.973	20.0
Benzo(k)fluoranthene	1.749	1.613		-7.776	20.0
Benzo(a)pyrene	1.356	1.179		-13.053	20.0
Indeno(1,2,3-cd)pyrene	1.618	1.386		-14.339	20.0
Dibenzo(a,h)anthracene	1.300	1.120		-13.846	20.0
Benzo(g,h,i)perylene	1.433	1.272		-11.235	20.0
1,4-Dioxane	0.517	0.478		-7.544	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBN032224			SDG No.:	BN032224		
Lab Sample ID:	SSTDICV0.4			Matrix:	Water		
Analytical Method:	8270-Modified			% 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
BN030457.D	1		3/21/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	390		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		28	100	100	ug/L
91-20-3	Naphthalene	390		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	370		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	390		30	100	100	ug/L
208-96-8	Acenaphthylene	390		21	100	100	ug/L
83-32-9	Acenaphthene	380		20	100	100	ug/L
Total PAH	Total PAH	6240		456	100	1600	ug/L
86-73-7	Fluorene	390		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	390		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	370		26	100	100	ug/L
118-74-1	Hexachlorobenzene	380		29	100	100	ug/L
1912-24-9	Atrazine	360		23	100	100	ug/L
87-86-5	Pentachlorophenol	400		90	200	200	ug/L
85-01-8	Phenanthrene	390		20	100	100	ug/L
120-12-7	Anthracene	380		24	100	100	ug/L
206-44-0	Fluoranthene	370		23	100	100	ug/L
129-00-0	Pyrene	380		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	380		22	100	100	ug/L
218-01-9	Chrysene	400		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	320		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	410		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	410		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	400		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	400		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	390		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	380		37	100	100	ug/L
123-91-1	1,4-Dioxane	380		68	200	200	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	396	*	30-150		99000	SPK: -0.4
93951-69-0	Fluoranthene-d10	385	*	30-150		96250	SPK: -0.4



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN032224	SDG No.:	BN032224
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BN030457.D	1		3/21/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	367	*	10-92		91750	SPK: -0.4
13127-88-3	Phenol-d6	353	*	10-100		88250	SPK: -0.4
4165-60-0	Nitrobenzene-d5	400	*	11-175		100000	SPK: -0.4
321-60-8	2-Fluorobiphenyl	429	*	10-175		107250	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	314	*	24-148		78500	SPK: -0.4
1718-51-0	Terphenyl-d14	434	*	54-171		108500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10885	7.724				
1146-65-2	Naphthalene-d8	29674	10.509				
15067-26-2	Acenaphthene-d10	15205	14.361				
1517-22-2	Phenanthrene-d10	34425	17.106				
1719-03-5	Chrysene-d12	24126	21.304				
1520-96-3	Perylene-d12	19952	23.56				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159724BL	SDG No.:	BN032224
Lab Sample ID:	PB159724BL	Matrix:	Solid
Analytical Method:	8270-Modified	% 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
BN030458.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.3	U	1.3	6.6	6.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	0.85	U	0.85	3.3	3.3	ug/Kg
91-20-3	Naphthalene	0.69	U	0.69	3.3	3.3	ug/Kg
87-68-3	Hexachlorobutadiene	0.69	U	0.69	3.3	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.8	U	0.8	3.3	3.3	ug/Kg
208-96-8	Acenaphthylene	0.63	U	0.63	3.3	3.3	ug/Kg
83-32-9	Acenaphthene	0.55	U	0.55	3.3	3.3	ug/Kg
Total PAH	Total PAH	14.61	U	14.61	3.3	52.8	ug/Kg
86-73-7	Fluorene	0.6	U	0.6	3.3	3.3	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4.2	U	4.2	6.6	6.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	0.79	U	0.79	3.3	3.3	ug/Kg
118-74-1	Hexachlorobenzene	0.85	U	0.85	3.3	3.3	ug/Kg
1912-24-9	Atrazine	0.76	U	0.76	3.3	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	6.6	6.6	ug/Kg
85-01-8	Phenanthrene	0.63	U	0.63	3.3	3.3	ug/Kg
120-12-7	Anthracene	0.79	U	0.79	3.3	3.3	ug/Kg
206-44-0	Fluoranthene	0.67	U	0.67	3.3	3.3	ug/Kg
129-00-0	Pyrene	0.95	U	0.95	3.3	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.76	U	0.76	3.3	3.3	ug/Kg
218-01-9	Chrysene	0.86	U	0.86	3.3	3.3	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.5	U	1.5	6.6	6.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	3.3	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.98	U	0.98	3.3	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	1.7	U	1.7	3.3	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	U	1.3	3.3	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	3.3	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	3.3	3.3	ug/Kg
123-91-1	1,4-Dioxane	2.2	U	2.2	6.6	6.6	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.325		21-128		81	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.316		13-127		79	SPK: -0.4



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Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159724BL	SDG No.:	BN032224
Lab Sample ID:	PB159724BL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.01	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
BN030458.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.314		28-122		79	SPK: -0.4
13127-88-3	Phenol-d6	0.314		12-126		79	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.38		14-112		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.41		22-114		102	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.112		10-137		28	SPK: -0.4
1718-51-0	Terphenyl-d14	0.429		21-130		107	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11206	7.724				
1146-65-2	Naphthalene-d8	28975	10.509				
15067-26-2	Acenaphthene-d10	13418	14.361				
1517-22-2	Phenanthrene-d10	28932	17.106				
1719-03-5	Chrysene-d12	17684	21.304				
1520-96-3	Perylene-d12	15228	23.56				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159724BS	SDG No.:	BN032224
Lab Sample ID:	PB159724BS	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.03 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
BN030459.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	12.3		1.3	6.6	6.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	12.5		0.85	3.3	3.3	ug/Kg
91-20-3	Naphthalene	12.8		0.69	3.3	3.3	ug/Kg
87-68-3	Hexachlorobutadiene	13.1		0.69	3.3	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	12.6		0.8	3.3	3.3	ug/Kg
208-96-8	Acenaphthylene	11.6		0.63	3.3	3.3	ug/Kg
83-32-9	Acenaphthene	12.5		0.55	3.3	3.3	ug/Kg
Total PAH	Total PAH	194.7		14.61	3.3	52.8	ug/Kg
86-73-7	Fluorene	12.5		0.6	3.3	3.3	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	13.4		4.2	6.6	6.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	12.5		0.79	3.3	3.3	ug/Kg
118-74-1	Hexachlorobenzene	12.8		0.85	3.3	3.3	ug/Kg
1912-24-9	Atrazine	11.3		0.76	3.3	3.3	ug/Kg
87-86-5	Pentachlorophenol	12.9		2.8	6.6	6.6	ug/Kg
85-01-8	Phenanthrene	12.4		0.63	3.3	3.3	ug/Kg
120-12-7	Anthracene	11.8		0.79	3.3	3.3	ug/Kg
206-44-0	Fluoranthene	12		0.67	3.3	3.3	ug/Kg
129-00-0	Pyrene	12.7		0.95	3.3	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	11.6		0.76	3.3	3.3	ug/Kg
218-01-9	Chrysene	12.8		0.86	3.3	3.3	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	10.6		1.5	6.6	6.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	12.1		1.2	3.3	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	12.4		0.98	3.3	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	11.5		1.7	3.3	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	11.9		1.3	3.3	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11.9		1.2	3.3	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12.2		1.1	3.3	3.3	ug/Kg
123-91-1	1,4-Dioxane	12.1		2.2	6.6	6.6	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.376		21-128		94	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.361		13-127		90	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159724BS	SDG No.:	BN032224
Lab Sample ID:	PB159724BS	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.03 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
BN030459.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.349		28-122		87	SPK: -0.4
13127-88-3	Phenol-d6	0.346		12-126		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.374		14-112		94	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.381		22-114		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.299		10-137		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.379		21-130		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10314	7.724				
1146-65-2	Naphthalene-d8	27510	10.509				
15067-26-2	Acenaphthene-d10	14287	14.361				
1517-22-2	Phenanthrene-d10	31313	17.107				
1719-03-5	Chrysene-d12	21432	21.304				
1520-96-3	Perylene-d12	19182	23.56				

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BN032224
Lab Sample ID:	P1764-10	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.07 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
BN030460.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.5	U	1.5	7.4	7.4	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	0.95	U	0.95	3.7	3.7	ug/Kg
91-20-3	Naphthalene	0.78	U	0.78	3.7	3.7	ug/Kg
87-68-3	Hexachlorobutadiene	0.78	U	0.78	3.7	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	0.9	U	0.9	3.7	3.7	ug/Kg
208-96-8	Acenaphthylene	0.71	U	0.71	3.7	3.7	ug/Kg
83-32-9	Acenaphthene	0.62	U	0.62	3.7	3.7	ug/Kg
Total PAH	Total PAH	22.4	U	16.35	3.7	59.2	ug/Kg
86-73-7	Fluorene	0.67	U	0.67	3.7	3.7	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U	4.8	7.4	7.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	0.89	U	0.89	3.7	3.7	ug/Kg
118-74-1	Hexachlorobenzene	0.95	U	0.95	3.7	3.7	ug/Kg
1912-24-9	Atrazine	0.85	U	0.85	3.7	3.7	ug/Kg
87-86-5	Pentachlorophenol	3.2	U	3.2	7.4	7.4	ug/Kg
85-01-8	Phenanthrene	1.8	J	0.71	3.7	3.7	ug/Kg
120-12-7	Anthracene	0.89	U	0.89	3.7	3.7	ug/Kg
206-44-0	Fluoranthene	3.7		0.75	3.7	3.7	ug/Kg
129-00-0	Pyrene	3.9		1.1	3.7	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	2.3	J	0.85	3.7	3.7	ug/Kg
218-01-9	Chrysene	2.2	J	0.97	3.7	3.7	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5.1	J	1.7	7.4	7.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	3.1	J	1.3	3.7	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.4	J	1.1	3.7	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	2.2	J	1.9	3.7	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	3.7	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.3	U	1.3	3.7	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.8	J	1.3	3.7	3.7	ug/Kg
123-91-1	1,4-Dioxane	2.5	U	2.5	7.4	7.4	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.278		21-128		69	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.276		13-127		69	SPK: -0.4



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BN032224
Lab Sample ID:	P1764-10	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.07	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
BN030460.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.265		28-122		66	SPK: -0.4
13127-88-3	Phenol-d6	0.275		12-126		69	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.295		14-112		74	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.31		22-114		77	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.232		10-137		58	SPK: -0.4
1718-51-0	Terphenyl-d14	0.309		21-130		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	13632	7.724				
1146-65-2	Naphthalene-d8	36868	10.509				
15067-26-2	Acenaphthene-d10	18047	14.361				
1517-22-2	Phenanthrene-d10	37715	17.106				
1719-03-5	Chrysene-d12	24598	21.304				
1520-96-3	Perylene-d12	20380	23.557				

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-1MS	SDG No.:	BN032224
Lab Sample ID:	P1764-10MS	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
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
BN030461.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	12.2		1.5	7.4	7.4	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	12.3		0.96	3.7	3.7	ug/Kg
91-20-3	Naphthalene	12.8		0.78	3.7	3.7	ug/Kg
87-68-3	Hexachlorobutadiene	11.7		0.78	3.7	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	12.6		0.9	3.7	3.7	ug/Kg
208-96-8	Acenaphthylene	12.6		0.71	3.7	3.7	ug/Kg
83-32-9	Acenaphthene	12.1		0.62	3.7	3.7	ug/Kg
Total PAH	Total PAH	227		16.37	3.7	59.2	ug/Kg
86-73-7	Fluorene	12.1		0.68	3.7	3.7	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	14.8		4.8	7.4	7.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	13.1		0.89	3.7	3.7	ug/Kg
118-74-1	Hexachlorobenzene	12.5		0.96	3.7	3.7	ug/Kg
1912-24-9	Atrazine	11.7		0.86	3.7	3.7	ug/Kg
87-86-5	Pentachlorophenol	17.6		3.2	7.4	7.4	ug/Kg
85-01-8	Phenanthrene	14.5		0.71	3.7	3.7	ug/Kg
120-12-7	Anthracene	12.9		0.89	3.7	3.7	ug/Kg
206-44-0	Fluoranthene	15.4		0.75	3.7	3.7	ug/Kg
129-00-0	Pyrene	16.7		1.1	3.7	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	15.5		0.86	3.7	3.7	ug/Kg
218-01-9	Chrysene	14.9		0.97	3.7	3.7	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	18.9		1.7	7.4	7.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	15.8		1.3	3.7	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	14.7		1.1	3.7	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	15.7		1.9	3.7	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14.3		1.4	3.7	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13.3		1.3	3.7	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	13.7		1.3	3.7	3.7	ug/Kg
123-91-1	1,4-Dioxane	9.8		2.5	7.4	7.4	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.379		21-128		95	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.261		13-127		65	SPK: -0.4

**Report of Analysis**

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-1MS	SDG No.:	BN032224
Lab Sample ID:	P1764-10MS	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.02	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
BN030461.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.264		28-122		66	SPK: -0.4
13127-88-3	Phenol-d6	0.273		12-126		68	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.287		14-112		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.286		22-114		72	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.242		10-137		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.281		21-130		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	12795	7.724				
1146-65-2	Naphthalene-d8	34631	10.509				
15067-26-2	Acenaphthene-d10	17261	14.361				
1517-22-2	Phenanthrene-d10	35437	17.106				
1719-03-5	Chrysene-d12	24051	21.304				
1520-96-3	Perylene-d12	21051	23.557				

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-1MSD	SDG No.:	BN032224
Lab Sample ID:	P1764-10MSD	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.04 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
BN030462.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	11.7		1.5	7.4	7.4	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	12.4		0.96	3.7	3.7	ug/Kg
91-20-3	Naphthalene	12.9		0.78	3.7	3.7	ug/Kg
87-68-3	Hexachlorobutadiene	11.8		0.78	3.7	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	12.7		0.9	3.7	3.7	ug/Kg
208-96-8	Acenaphthylene	12.8		0.71	3.7	3.7	ug/Kg
83-32-9	Acenaphthene	12.1		0.62	3.7	3.7	ug/Kg
Total PAH	Total PAH	228.9		16.35	3.7	59.2	ug/Kg
86-73-7	Fluorene	11.8		0.67	3.7	3.7	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	15		4.8	7.4	7.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	13.2		0.89	3.7	3.7	ug/Kg
118-74-1	Hexachlorobenzene	12.5		0.96	3.7	3.7	ug/Kg
1912-24-9	Atrazine	11.9		0.85	3.7	3.7	ug/Kg
87-86-5	Pentachlorophenol	17.5		3.2	7.4	7.4	ug/Kg
85-01-8	Phenanthrene	14.5		0.71	3.7	3.7	ug/Kg
120-12-7	Anthracene	12.9		0.89	3.7	3.7	ug/Kg
206-44-0	Fluoranthene	15.1		0.75	3.7	3.7	ug/Kg
129-00-0	Pyrene	17.7		1.1	3.7	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	15.6		0.85	3.7	3.7	ug/Kg
218-01-9	Chrysene	15.1		0.97	3.7	3.7	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	19.2		1.7	7.4	7.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	16		1.3	3.7	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	15.1		1.1	3.7	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	16.2		1.9	3.7	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14.3		1.4	3.7	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13.2		1.3	3.7	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	13.6		1.3	3.7	3.7	ug/Kg
123-91-1	1,4-Dioxane	9.8		2.5	7.4	7.4	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.382		21-128		95	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.257		13-127		64	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-1MSD	SDG No.:	BN032224
Lab Sample ID:	P1764-10MSD	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.04 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
BN030462.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.271		28-122		68	SPK: -0.4
13127-88-3	Phenol-d6	0.277		12-126		69	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.282		14-112		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.291		22-114		73	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.239		10-137		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.298		21-130		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	13824	7.724				
1146-65-2	Naphthalene-d8	37662	10.509				
15067-26-2	Acenaphthene-d10	18649	14.361				
1517-22-2	Phenanthrene-d10	37511	17.106				
1719-03-5	Chrysene-d12	23436	21.304				
1520-96-3	Perylene-d12	19409	23.557				

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BN032224
Lab Sample ID:	P1764-11	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.09 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
BN030463.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.5	U	1.5	7.4	7.4	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	0.95	U	0.95	3.7	3.7	ug/Kg
91-20-3	Naphthalene	0.77	U	0.77	3.7	3.7	ug/Kg
87-68-3	Hexachlorobutadiene	0.77	U	0.77	3.7	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	0.9	U	0.9	3.7	3.7	ug/Kg
208-96-8	Acenaphthylene	0.71	U	0.71	3.7	3.7	ug/Kg
83-32-9	Acenaphthene	0.62	U	0.62	3.7	3.7	ug/Kg
Total PAH	Total PAH	32.6	U	16.34	3.7	59.2	ug/Kg
86-73-7	Fluorene	0.67	U	0.67	3.7	3.7	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U	4.8	7.4	7.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	0.89	U	0.89	3.7	3.7	ug/Kg
118-74-1	Hexachlorobenzene	0.95	U	0.95	3.7	3.7	ug/Kg
1912-24-9	Atrazine	0.85	U	0.85	3.7	3.7	ug/Kg
87-86-5	Pentachlorophenol	3.2	U	3.2	7.4	7.4	ug/Kg
85-01-8	Phenanthrene	2.4	J	0.71	3.7	3.7	ug/Kg
120-12-7	Anthracene	0.89	U	0.89	3.7	3.7	ug/Kg
206-44-0	Fluoranthene	5.5		0.75	3.7	3.7	ug/Kg
129-00-0	Pyrene	5.1		1.1	3.7	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	3	J	0.85	3.7	3.7	ug/Kg
218-01-9	Chrysene	3.3	J	0.97	3.7	3.7	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3	J	1.7	7.4	7.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	4.2		1.3	3.7	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.8	J	1.1	3.7	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	3.1	J	1.9	3.7	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.9	J	1.4	3.7	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.3	U	1.3	3.7	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2.3	J	1.3	3.7	3.7	ug/Kg
123-91-1	1,4-Dioxane	2.5	U	2.5	7.4	7.4	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.241		21-128		60	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.24		13-127		60	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BN032224
Lab Sample ID:	P1764-11	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	11.2
Sample Wt/Vol:	30.09 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
BN030463.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.238		28-122		60	SPK: -0.4
13127-88-3	Phenol-d6	0.245		12-126		61	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.248		14-112		62	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.249		22-114		62	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.212		10-137		53	SPK: -0.4
1718-51-0	Terphenyl-d14	0.252		21-130		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11966	7.724				
1146-65-2	Naphthalene-d8	33539	10.509				
15067-26-2	Acenaphthene-d10	17990	14.361				
1517-22-2	Phenanthrene-d10	38687	17.107				
1719-03-5	Chrysene-d12	27086	21.304				
1520-96-3	Perylene-d12	25386	23.558				

Hit Summary Sheet

SW-846

SDG No.: BN032224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P1764-10	COMP-1	Solid	Benzo(a)anthracene	2.300	J	0.85	3.7	ug/Kg
P1764-10	COMP-1	Solid	Benzo(a)pyrene	2.200	J	1.9	3.7	ug/Kg
P1764-10	COMP-1	Solid	Benzo(b)fluoranthene	3.100	J	1.3	3.7	ug/Kg
P1764-10	COMP-1	Solid	Benzo(g,h,i)perylene	1.800	J	1.3	3.7	ug/Kg
P1764-10	COMP-1	Solid	Benzo(k)fluoranthene	1.400	J	1.1	3.7	ug/Kg
P1764-10	COMP-1	Solid	Bis(2-ethylhexyl)phthalate	5.100	J	1.7	7.4	ug/Kg
P1764-10	COMP-1	Solid	Chrysene	2.200	J	0.97	3.7	ug/Kg
P1764-10	COMP-1	Solid	Fluoranthene	3.700		0.75	3.7	ug/Kg
P1764-10	COMP-1	Solid	Phenanthrene	1.800	J	0.71	3.7	ug/Kg
P1764-10	COMP-1	Solid	Pyrene	3.900		1.1	3.7	ug/Kg
Total Svoc :				27.50				
Total Concentration:				27.50				
Client ID : COMP-2								
P1764-11	COMP-2	Solid	Benzo(a)anthracene	3.000	J	0.85	3.7	ug/Kg
P1764-11	COMP-2	Solid	Benzo(a)pyrene	3.100	J	1.9	3.7	ug/Kg
P1764-11	COMP-2	Solid	Benzo(b)fluoranthene	4.200		1.3	3.7	ug/Kg
P1764-11	COMP-2	Solid	Benzo(g,h,i)perylene	2.300	J	1.3	3.7	ug/Kg
P1764-11	COMP-2	Solid	Benzo(k)fluoranthene	1.800	J	1.1	3.7	ug/Kg
P1764-11	COMP-2	Solid	Bis(2-ethylhexyl)phthalate	3.000	J	1.7	7.4	ug/Kg
P1764-11	COMP-2	Solid	Chrysene	3.300	J	0.97	3.7	ug/Kg
P1764-11	COMP-2	Solid	Fluoranthene	5.500		0.75	3.7	ug/Kg
P1764-11	COMP-2	Solid	Indeno(1,2,3-cd)pyrene	1.900	J	1.4	3.7	ug/Kg
P1764-11	COMP-2	Solid	Phenanthrene	2.400	J	0.71	3.7	ug/Kg
P1764-11	COMP-2	Solid	Pyrene	5.100		1.1	3.7	ug/Kg
Total Svoc :				35.60				
Total Concentration:				35.60				
Client ID : ICVBN032224								
SSTDICV0.4	ICVBN032224	Water	1,4-Dioxane	380.000		68	200	ug/L
SSTDICV0.4	ICVBN032224	Water	2-Methylnaphthalene	390.000		30	100	ug/L
SSTDICV0.4	ICVBN032224	Water	4,6-Dinitro-2-methylphenol	390.000		140	200	ug/L
SSTDICV0.4	ICVBN032224	Water	4-Bromophenyl-phenylether	370.000		26	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Acenaphthene	380.000		20	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Acenaphthylene	390.000		21	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Anthracene	380.000		24	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Atrazine	360.000		23	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Benzo(a)anthracene	380.000		22	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Benzo(a)pyrene	400.000		56	100	ug/L
SSTDICV0.4	ICVBN032224	Water	Benzo(b)fluoranthene	410.000		32	100	ug/L



Hit Summary Sheet
SW-846

SDG No.: BN032224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV0.4	ICVBN032224	Water	Benzo(g,h,i)perylene	380.000	37		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Benzo(k)fluoranthene	410.000	34		100	ug/L
SSTDICV0.4	ICVBN032224	Water	bis(2-Chloroethyl)ether	400.000	28		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Bis(2-ethylhexyl)phthalate	320.000	140		200	ug/L
SSTDICV0.4	ICVBN032224	Water	Chrysene	400.000	26		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Dibenzo(a,h)anthracene	390.000	39		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Fluoranthene	370.000	23		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Fluorene	390.000	18		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Hexachlorobenzene	380.000	29		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Hexachlorobutadiene	370.000	26		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Indeno(1,2,3-cd)pyrene	400.000	38		100	ug/L
SSTDICV0.4	ICVBN032224	Water	n-Nitrosodimethylamine	390.000	30		200	ug/L
SSTDICV0.4	ICVBN032224	Water	Naphthalene	390.000	24		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Pentachlorophenol	400.000	90		200	ug/L
SSTDICV0.4	ICVBN032224	Water	Phenanthrene	390.000	20		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Pyrene	380.000	22		100	ug/L
SSTDICV0.4	ICVBN032224	Water	Total PAH	6,240.000	456		1600	ug/L
Total Svoc :				16,630.00				
Total Concentration:				16,630.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN032224

SAS No.: BN032224

SDG No.: BN032224

Instrument ID:

Calibration Date(s): 3/21/2024 :

Calibration Time(s): 17:14

LAB FILE ID:		RRF0.1 = BN030450.D			RRF0.2 = BN030451.D		RRF0.4 = BN030452.D	
		RRF0.8 = BN030453.D			RRF1.6 = BN030454.D		RRF3.2 = BN030455.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.556	0.584	0.549	0.574	0.616	0.603	0.582	4.2
Fluoranthene-d10	0.899	0.979	0.911	0.988	1.065	1.070	0.998	7.4
n-Nitrosodimethylamine	0.475	0.510	0.478	0.499	0.530	0.507	0.498	4.0
2-Fluorophenol	0.969	1.002	0.922	0.956	1.033	1.034	0.988	4.2
Phenol-d6	1.266	1.272	1.196	1.248	1.364	1.366	1.292	5.0
bis(2-Chloroethyl)ether	1.224	1.280	1.175	1.223	1.304	1.250	1.237	3.6
Nitrobenzene-d5	0.297	0.303	0.288	0.298	0.320	0.327	0.308	5.0
Naphthalene	1.134	1.172	1.106	1.132	1.216	1.180	1.156	3.2
Hexachlorobutadiene	0.213	0.227	0.208	0.213	0.222	0.215	0.215	3.3
2-Methylnaphthalene	0.707	0.743	0.702	0.730	0.786	0.762	0.739	4.0
2-Fluorobiphenyl	1.759	1.789	1.671	1.678	1.766	1.741	1.727	2.8
Acenaphthylene	1.972	1.987	1.877	1.988	2.170	2.198	2.055	6.3
Acenaphthene	1.303	1.356	1.294	1.355	1.465	1.447	1.377	4.9
Fluorene	1.741	1.829	1.716	1.830	1.936	1.922	1.836	4.6
4,6-Dinitro-2-methylphenol		0.026	0.029	0.034	0.039	0.043	0.034	20.2
2,4,6-Tribromophenol	0.136	0.129	0.123	0.138	0.150	0.170	0.146	13.6
4-Bromophenyl-phenylether	0.253	0.258	0.237	0.252	0.273	0.271	0.259	5.0
Hexachlorobenzene	0.307	0.316	0.292	0.308	0.330	0.321	0.313	3.8
Atrazine	0.168	0.171	0.161	0.181	0.201	0.213	0.187	11.6
Pentachlorophenol		0.070	0.071	0.084	0.101	0.117	0.089	22.9
Phenanthrene	1.240	1.278	1.189	1.259	1.356	1.326	1.280	4.4
Anthracene	1.029	1.085	1.009	1.103	1.223	1.226	1.127	8.3
Fluoranthene	1.368	1.419	1.324	1.427	1.561	1.533	1.448	6.0
Pyrene	2.038	2.020	1.909	1.983	2.092	1.997	2.000	2.9
Terphenyl-d14	0.951	0.900	0.840	0.893	0.936	0.886	0.897	4.2
Benzo (a) anthracene	1.616	1.538	1.462	1.575	1.713	1.694	1.619	6.2
Chrysene	1.772	1.691	1.648	1.712	1.800	1.722	1.718	3.1
Bis(2-ethylhexyl)phthalate	0.650	0.610	0.563	0.640	0.709	0.802	0.687	14.5
Benzo (b) fluoranthene	1.628	1.596	1.616	1.681	1.926	1.920	1.756	9.0
Benzo (k) fluoranthene	1.692	1.634	1.613	1.700	1.886	1.853	1.749	6.6
Benzo (a) pyrene	1.190	1.213	1.179	1.333	1.477	1.540	1.356	12.4
Indeno (1,2,3-cd) pyrene	1.438	1.392	1.386	1.534	1.782	1.862	1.618	14.5
Dibenzo (a,h) anthracene	1.126	1.102	1.120	1.261	1.455	1.496	1.300	14.9
Benzo (g,h,i) perylene	1.322	1.284	1.272	1.375	1.546	1.589	1.433	10.9
1,4-Dioxane	0.660	0.516	0.478	0.484	0.518	0.488	0.517	12.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN032224 SAS No.: BN032224 SDG NO.: BN032224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BN030452.D Time Analyzed: 21:29

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	10393	7.732	28219	10.51	14799	14.36
UPPER LIMIT	20786	8.232	56438	11.009	29598	14.861
LOWER LIMIT	5196.5	7.232	14109.5	10.009	7399.5	13.861
EPA SAMPLE NO.						
01 ICVBN032224	10885	7.72	29674	10.51	15205	14.36
02 PB159724BL	11206	7.72	28975	10.51	13418	14.36
03 PB159724BS	10314	7.72	27510	10.51	14287	14.36
04 COMP-1	13632	7.72	36868	10.51	18047	14.36
05 COMP-1MS	12795	7.72	34631	10.51	17261	14.36
06 COMP-1MSD	13824	7.72	37662	10.51	18649	14.36
07 COMP-2	11966	7.72	33539	10.51	17990	14.36

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN032224 SAS No.: BN032224 SDG NO.: BN032224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BN030452.D Time Analyzed: 21:29

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	10393	7.732	28219	10.51	14799	14.36
UPPER LIMIT	20786	8.232	56438	11.009	29598	14.861
LOWER LIMIT	5196.5	7.232	14109.5	10.009	7399.5	13.861
EPA SAMPLE NO.						
01 ICVBN032224	10885	7.72	29674	10.51	15205	14.36
02 PB159724BL	11206	7.72	28975	10.51	13418	14.36
03 PB159724BS	10314	7.72	27510	10.51	14287	14.36
04 COMP-1	13632	7.72	36868	10.51	18047	14.36
05 COMP-1MS	12795	7.72	34631	10.51	17261	14.36
06 COMP-1MSD	13824	7.72	37662	10.51	18649	14.36
07 COMP-2	11966	7.72	33539	10.51	17990	14.36

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: CHEMTECHLab Code: CHEM Case No.: BN032224 SAS No.: BN032224 SDG NO.: BN032224EPA Sample No.: SSTDICCC0.4 Date Analyzed: Mar 21 2024 12:00AMLab File ID: BN030452.D Time Analyzed: 21:29Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	33156	17.107	23274	21.304	21151	23.56
UPPER LIMIT	66312	17.607	46548	21.804	42302	24.06
LOWER LIMIT	16578	16.607	11637	20.804	10575.5	23.06
EPA SAMPLE NO.						
01 ICVBN032224	34425	17.11	24126	21.30	19952	23.56
02 PB159724BL	28932	17.11	17684	21.30	15228	23.56
03 PB159724BS	31313	17.11	21432	21.30	19182	23.56
04 COMP-1	37715	17.11	24598	21.30	20380	23.56
05 COMP-1MS	35437	17.11	24051	21.30	21051	23.56
06 COMP-1MSD	37511	17.11	23436	21.30	19409	23.56
07 COMP-2	38687	17.11	27086	21.30	25386	23.56

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.: BN032224 SAS No.: BN032224 SDG NO.: BN032224

EPA Sample No.: SSTDICCC0.4

Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BN030452.D

Time Analyzed: 21:29

Instrument ID: BNA_N

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	33156	17.107	23274	21.304	21151	23.56
UPPER LIMIT	66312	17.607	46548	21.804	42302	24.06
LOWER LIMIT	16578	16.607	11637	20.804	10575.5	23.06
EPA SAMPLE NO.						
01 ICVBN032224	34425	17.11	24126	21.30	19952	23.56
02 PB159724BL	28932	17.11	17684	21.30	15228	23.56
03 PB159724BS	31313	17.11	21432	21.30	19182	23.56
04 COMP-1	37715	17.11	24598	21.30	20380	23.56
05 COMP-1MS	35437	17.11	24051	21.30	21051	23.56
06 COMP-1MSD	37511	17.11	23436	21.30	19409	23.56
07 COMP-2	38687	17.11	27086	21.30	25386	23.56

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.



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

SDG No.: BN032224

Client:

Analytical Method: 8270-Modified

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159724BS	n-Nitrosodimethylamine	13.3	12.3	ug/Kg	92				27	120	
	bis(2-Chloroethyl)ether	13.3	12.5	ug/Kg	94				48	114	
	Naphthalene	13.3	12.8	ug/Kg	96				63	120	
	Hexachlorobutadiene	13.3	13.1	ug/Kg	98				47	116	
	2-Methylnaphthalene	13.3	12.6	ug/Kg	95				54	111	
	Acenaphthylene	13.3	11.6	ug/Kg	87				61	110	
	Acenaphthene	13.3	12.5	ug/Kg	94				65	112	
	Total PAH	212.8	194.7	ug/Kg	91				65	112	
	Fluorene	13.3	12.5	ug/Kg	94				61	115	
	4,6-Dinitro-2-methylphenol	13.3	13.4	ug/Kg	101				20	150	
	4-Bromophenyl-phenylether	13.3	12.5	ug/Kg	94				20	150	
	Hexachlorobenzene	13.3	12.8	ug/Kg	96				52	117	
	Atrazine	13.3	11.3	ug/Kg	85				20	150	
	Pentachlorophenol	26.6	12.9	ug/Kg	48				47	116	
	Phenanthrene	13.3	12.4	ug/Kg	93				61	120	
	Anthracene	13.3	11.8	ug/Kg	89				60	115	
	Fluoranthene	13.3	12	ug/Kg	90				56	124	
	Pyrene	13.3	12.7	ug/Kg	95				58	125	
	Benzo(a)anthracene	13.3	11.6	ug/Kg	87				45	129	
	Chrysene	13.3	12.8	ug/Kg	96				62	123	
	bis(2-Ethylhexyl)phthalate	13.3	10.6	ug/Kg	80				60	119	
	Benzo(b)fluoranthene	13.3	12.1	ug/Kg	91				47	123	
	Benzo(k)fluoranthene	13.3	12.4	ug/Kg	93				69	123	
	Benzo(a)pyrene	13.3	11.5	ug/Kg	86				53	123	
	Indeno(1,2,3-cd)pyrene	13.3	11.9	ug/Kg	89				62	131	
	Dibenz(a,h)anthracene	13.3	11.9	ug/Kg	89				57	120	
	Benzo(g,h,i)perylene	13.3	12.2	ug/Kg	92				66	121	
	1,4-Dioxane	13.3	12.1	ug/Kg	91				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBN032224

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN032224SAS No.: BN032224 SDG NO.: BN032224Lab File ID: BN030457.DLab Sample ID: SSTDICV0.4Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 03/21/2024Level: (low/med) LOWTime Analyzed: 21:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN032224	SSTDICV0.4	BN030457.D	03/21/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159724BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BN032224

SAS No.: BN032224

SDG NO.: BN032224

Lab File ID: BN030458.D

Lab Sample ID: PB159724BL

Instrument ID: BNA_N

Date Extracted: 03/21/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/21/2024

Level: (low/med) LOW

Time Analyzed: 22:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159724BS	PB159724BS	BN030459.D	03/21/2024
COMP-1	P1764-10	BN030460.D	03/21/2024
COMP-1MS	P1764-10MS	BN030461.D	03/22/2024
COMP-1MSD	P1764-10MSD	BN030462.D	03/22/2024
COMP-2	P1764-11	BN030463.D	03/22/2024

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BN032224

Client: _____

Analytical Method: **8270-Modified**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Limits		RPD
		Result				Qual		Qual	Low	High	
Lab Sample ID:	P1764-10MS	Client Sample ID:	COMP-1MS				DataFile: BN030461.D				
n-Nitrosodimethylamine	15	22.4	12.2	ug/Kg	81				19	144	
bis(2-Chloroethyl)ether	15		12.3	ug/Kg	82				43	134	
Naphthalene	15		12.8	ug/Kg	85				37	129	
Hexachlorobutadiene	15		11.7	ug/Kg	78				37	132	
2-Methylnaphthalene	15		12.6	ug/Kg	84				37	139	
Acenaphthylene	15		12.6	ug/Kg	84				21	147	
Acenaphthene	15		12.1	ug/Kg	81				19	141	
Total PAH	240		227	ug/Kg	95				19	141	
Fluorene	15		12.1	ug/Kg	81				10	167	
4,6-Dinitro-2-methylphenol	15		14.8	ug/Kg	99				20	150	
4-Bromophenyl-phenylether	15	13.1	ug/Kg	87				20	150		
Hexachlorobenzene	15	12.5	ug/Kg	83				43	132		
Atrazine	15	11.7	ug/Kg	78				20	150		
Pentachlorophenol	30	17.6	ug/Kg	59				10	146		
Phenanthrene	15	1.8	14.5	ug/Kg	85			27	146		
Anthracene	15		12.9	ug/Kg	86			12	166		
Fluoranthene	15	3.7	15.4	ug/Kg	78			20	150		
Pyrene	15	3.9	16.7	ug/Kg	85			10	163		
Benzo(a)anthracene	15	2.3	15.5	ug/Kg	88			10	175		
Chrysene	15	2.2	14.9	ug/Kg	85			32	143		
bis(2-Ethylhexyl)phthalate	15	5.1	18.9	ug/Kg	92			39	159		
Benzo(b)fluoranthene	15	3.1	15.8	ug/Kg	85			10	188		
Benzo(k)fluoranthene	15	1.4	14.7	ug/Kg	89			42	122		
Benzo(a)pyrene	15	2.2	15.7	ug/Kg	90			10	175		
Indeno(1,2,3-cd)pyrene	15	0	14.3	ug/Kg	95			10	175		
Dibenz(a,h)anthracene	15		13.3	ug/Kg	89			10	170		
Benzo(g,h,i)perylene	15	1.8	13.7	ug/Kg	79			10	168		
1,4-Dioxane	15		9.8	ug/Kg	65	*		70	130		



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BN032224

Client: _____

Analytical Method: **8270-Modified**

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	P1764-10MSD	Client Sample ID:	COMP-1MSD					DataFile:	BN030462.D		
n-Nitrosodimethylamine	15		11.7	ug/Kg	78		4		19	144	20
bis(2-Chloroethyl)ether	15		12.4	ug/Kg	83		1		43	134	20
Naphthalene	15		12.9	ug/Kg	86		1		37	129	20
Hexachlorobutadiene	15		11.8	ug/Kg	79		1		37	132	20
2-Methylnaphthalene	15		12.7	ug/Kg	85		1		37	139	20
Acenaphthylene	15		12.8	ug/Kg	85		1		21	147	20
Acenaphthene	15		12.1	ug/Kg	81		0		19	141	20
Total PAH	240	22.4	228.9	ug/Kg	95		0		19	141	20
Fluorene	15		11.8	ug/Kg	79		3		10	167	20
4,6-Dinitro-2-methylphenol	15		15	ug/Kg	100		1		20	150	20
4-Bromophenyl-phenylether	15		13.2	ug/Kg	88		1		20	150	20
Hexachlorobenzene	15		12.5	ug/Kg	83		0		43	132	20
Atrazine	15		11.9	ug/Kg	79		1		20	150	20
Pentachlorophenol	30		17.5	ug/Kg	58		2		10	146	20
Phenanthrene	15	1.8	14.5	ug/Kg	85		0		27	146	20
Anthracene	15		12.9	ug/Kg	86		0		12	166	20
Fluoranthene	15	3.7	15.1	ug/Kg	76		3		20	150	20
Pyrene	15	3.9	17.7	ug/Kg	92		8		10	163	20
Benzo(a)anthracene	15	2.3	15.6	ug/Kg	89		1		10	175	20
Chrysene	15	2.2	15.1	ug/Kg	86		1		32	143	20
bis(2-Ethylhexyl)phthalate	15	5.1	19.2	ug/Kg	94		2		39	159	20
Benzo(b)fluoranthene	15	3.1	16	ug/Kg	86		1		10	188	20
Benzo(k)fluoranthene	15	1.4	15.1	ug/Kg	91		2		42	122	20
Benzo(a)pyrene	15	2.2	16.2	ug/Kg	93		3		10	175	20
Indeno(1,2,3-cd)pyrene	15	0	14.3	ug/Kg	95		0		10	175	20
Dibenz(a,h)anthracene	15		13.2	ug/Kg	88		1		10	170	20
Benzo(g,h,i)perylene	15	1.8	13.6	ug/Kg	79		0		10	168	20
1,4-Dioxane	15		9.8	ug/Kg	65	*	0		70	130	20



Surrogate Summary
SW-846

SDG No.: BN032224

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV0.4	ICVBN032224	BN030457.D	2-Methylnaphthalene-d10	0.4	396.00	99000	*	30	150
			Fluoranthene-d10	0.4	385.00	96250	*	30	150
			2-Fluorophenol	0.4	367.00	91750	*	10	92
			Phenol-d6	0.4	353.00	88250	*	10	100
			Nitrobenzene-d5	0.4	400.00	100000	*	11	175
			2-Fluorobiphenyl	0.4	429.00	107250	*	10	175
			2,4,6-Tribromophenol	0.4	314.00	78500	*	24	148
			Terphenyl-d14	0.4	434.00	108500	*	54	171

Surrogate Summary

SW-846

SDG No.: BN032224

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1764-10	COMP-1	BN030460.D	2-Methylnaphthalene-d10	0.4	0.28	69		21	128
			Fluoranthene-d10	0.4	0.28	69		13	127
			2-Fluorophenol	0.4	0.27	66		28	122
			Phenol-d6	0.4	0.28	69		12	126
			Nitrobenzene-d5	0.4	0.30	74		14	112
			2-Fluorobiphenyl	0.4	0.31	77		22	114
			2,4,6-Tribromophenol	0.4	0.23	58		10	137
			Terphenyl-d14	0.4	0.31	77		21	130
P1764-10MS	COMP-1MS	BN030461.D	2-Methylnaphthalene-d10	0.4	0.38	95		21	128
			Fluoranthene-d10	0.4	0.26	65		13	127
			2-Fluorophenol	0.4	0.26	66		28	122
			Phenol-d6	0.4	0.27	68		12	126
			Nitrobenzene-d5	0.4	0.29	72		14	112
			2-Fluorobiphenyl	0.4	0.29	72		22	114
			2,4,6-Tribromophenol	0.4	0.24	60		10	137
			Terphenyl-d14	0.4	0.28	70		21	130
P1764-10MSD	COMP-1MSD	BN030462.D	2-Methylnaphthalene-d10	0.4	0.38	95		21	128
			Fluoranthene-d10	0.4	0.26	64		13	127
			2-Fluorophenol	0.4	0.27	68		28	122
			Phenol-d6	0.4	0.28	69		12	126
			Nitrobenzene-d5	0.4	0.28	70		14	112
			2-Fluorobiphenyl	0.4	0.29	73		22	114
			2,4,6-Tribromophenol	0.4	0.24	60		10	137
			Terphenyl-d14	0.4	0.30	75		21	130
P1764-11	COMP-2	BN030463.D	2-Methylnaphthalene-d10	0.4	0.24	60		21	128
			Fluoranthene-d10	0.4	0.24	60		13	127
			2-Fluorophenol	0.4	0.24	60		28	122
			Phenol-d6	0.4	0.25	61		12	126
			Nitrobenzene-d5	0.4	0.25	62		14	112
			2-Fluorobiphenyl	0.4	0.25	62		22	114
			2,4,6-Tribromophenol	0.4	0.21	53		10	137
			Terphenyl-d14	0.4	0.25	63		21	130
PB159724BL	PB159724BL	BN030458.D	2-Methylnaphthalene-d10	0.4	0.33	81		21	128
			Fluoranthene-d10	0.4	0.32	79		13	127
			2-Fluorophenol	0.4	0.31	79		28	122
			Phenol-d6	0.4	0.31	79		12	126
			Nitrobenzene-d5	0.4	0.38	95		14	112
			2-Fluorobiphenyl	0.4	0.41	102		22	114
			2,4,6-Tribromophenol	0.4	0.11	28		10	137
			Terphenyl-d14	0.4	0.43	107		21	130
PB159724BS	PB159724BS	BN030459.D	2-Methylnaphthalene-d10	0.4	0.38	94		21	128
			Fluoranthene-d10	0.4	0.36	90		13	127
			2-Fluorophenol	0.4	0.35	87		28	122
			Phenol-d6	0.4	0.35	86		12	126
			Nitrobenzene-d5	0.4	0.37	94		14	112
			2-Fluorobiphenyl	0.4	0.38	95		22	114
			2,4,6-Tribromophenol	0.4	0.30	75		10	137
			Terphenyl-d14	0.4	0.38	95		21	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BN032224Lab Code: CHEMSAS No.: BN032224 SDG NO.: BN032224Lab File ID: BN030449.DDFTPP Injection Date: 03/21/2024Instrument ID: BNA_NDFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.2
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	70
443	15.0 - 24.0% of mass 442	13.1 (18.8) 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
SSTDICC0.1	SSTDICC0.1	BN030450.D	03/21/2024	17:14
SSTDICC0.2	SSTDICC0.2	BN030451.D	03/21/2024	17:51
SSTDICCC0.4	SSTDICCC0.4	BN030452.D	03/21/2024	18:27
SSTDICC0.8	SSTDICC0.8	BN030453.D	03/21/2024	19:03
SSTDICC1.6	SSTDICC1.6	BN030454.D	03/21/2024	19:40
SSTDICC3.2	SSTDICC3.2	BN030455.D	03/21/2024	20:16
SSTDICC5.0	SSTDICC5.0	BN030456.D	03/21/2024	20:52
ICVBN032224	SSTDICV0.4	BN030457.D	03/21/2024	21:29
PB159724BL	PB159724BL	BN030458.D	03/21/2024	22:41
PB159724BS	PB159724BS	BN030459.D	03/21/2024	23:17
COMP-1	P1764-10	BN030460.D	03/21/2024	23:54
COMP-1MS	P1764-10MS	BN030461.D	03/22/2024	00:30
COMP-1MSD	P1764-10MSD	BN030462.D	03/22/2024	01:06
COMP-2	P1764-11	BN030463.D	03/22/2024	01:41