

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN121024 SAS No.: BN121024 SDG No.: BN121024

Instrument ID: BNA_N Calibration Date/Time: 12/10/2024 : 15:30

Lab File ID: BN035532.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4359 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.397	0.481	0.010	21.2834	40.0
1,4-Dioxane-d8	0.366	0.432	0.010	18.1897	40.0
Naphthalene	1.008	1.072	0.600	6.3893	30.0
1-Methylnaphthalene	0.705	0.737	0.300	4.4963	30.0
2-Methylnaphthalene	0.699	0.710	0.300	1.5726	30.0
Acenaphthylene	1.587	1.689	0.900	6.4589	30.0
Acenaphthene	1.214	1.326	0.500	9.2297	30.0
Fluorene	1.425	1.508	0.700	5.8021	30.0
Pentachlorophenol	0.093	0.104	0.010	11.8036	50.0
Phenanthrene	1.057	1.131	0.300	6.9231	30.0
Anthracene	0.981	0.996	0.400	1.5288	30.0
Fluoranthene	1.393	1.669	0.400	19.8346	30.0
Pyrene	1.449	1.787	0.500	23.2709	30.0
Benzo (a) anthracene	1.388	1.420	0.400	2.311	30.0
Chrysene	1.397	1.562	0.400	11.8062	30.0
Benzo (b) fluoranthene	1.322	1.380	0.200	4.408	30.0
Benzo (k) fluoranthene	1.363	1.588	0.200	16.4682	30.0
Benzo (a) pyrene	1.208	1.282	0.200	6.1055	30.0
Indeno (1,2,3-cd) pyrene	1.632	1.759	0.200	7.7934	30.0
Dibenzo (a,h) anthracene	1.279	1.229	0.200	-3.9076	30.0
Benzo (g,h,i) perylene	1.287	1.326	0.200	3.0232	30.0
Fluoranthene-d10	1.104	1.273	0.400	15.3343	30.0
2-Methylnaphthalene-d10	0.586	0.575	0.300	-1.9479	30.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN121024 SAS No.: BN121024 SDG No.: BN121024

Instrument ID: BNA_N Calibration Date/Time: 12/11/2024 : 01:42

Lab File ID: BN035548.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4360 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.397	0.453	0.010	14.0631	40.0
1,4-Dioxane-d8	0.366	0.410	0.010	12.2106	40.0
Naphthalene	1.008	1.049	0.600	4.0798	30.0
1-Methylnaphthalene	0.705	0.744	0.300	5.4254	30.0
2-Methylnaphthalene	0.699	0.713	0.300	2.0057	30.0
Acenaphthylene	1.587	1.666	0.900	5.0059	30.0
Acenaphthene	1.214	1.319	0.500	8.6238	30.0
Fluorene	1.425	1.471	0.700	3.2189	30.0
Pentachlorophenol	0.093	0.076	0.010	-18.735	50.0
Phenanthrene	1.057	1.135	0.300	7.3501	30.0
Anthracene	0.981	0.971	0.400	-1.0787	30.0
Fluoranthene	1.393	1.765	0.400	26.7473	30.0
Pyrene	1.449	1.822	0.500	25.7327	30.0
Benzo (a) anthracene	1.388	1.373	0.400	-1.0567	30.0
Chrysene	1.397	1.574	0.400	12.6637	30.0
Benzo (b) fluoranthene	1.322	1.374	0.200	3.9242	30.0
Benzo (k) fluoranthene	1.363	1.493	0.200	9.5396	30.0
Benzo (a) pyrene	1.208	1.254	0.200	3.7989	30.0
Indeno (1,2,3-cd) pyrene	1.632	1.850	0.200	13.3911	30.0
Dibenzo (a,h) anthracene	1.279	1.345	0.200	5.1352	30.0
Benzo (g,h,i) perylene	1.287	1.396	0.200	8.4582	30.0
Fluoranthene-d10	1.104	1.331	0.400	20.5741	30.0
2-Methylnaphthalene-d10	0.586	0.579	0.300	-1.2187	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SBLK441	SDG No.:	BN121024
Lab Sample ID:	PB165441BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035533.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	0.37	U	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.85	U	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.34	U	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.47	U	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.39	U	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.68	U	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.52	U	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.68	U	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.42	U	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.42	U	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.89	U	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.98	U	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.731		15-120		84	SPK: -8
93951-69-0	Fluoranthene-d10	0.324		30-130		81	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.27		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2197		7.293			
1146-65-2	Naphthalene-d8	5713		10.037			
15067-26-2	Acenaphthene-d10	3572		13.954			

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SBLK441	SDG No.:	BN121024
Lab Sample ID:	PB165441BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035533.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8072	16.717				
1719-03-5	Chrysene-d12	6060	20.964				
1520-96-3	Perylene-d12	5287	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M8	SDG No.:	BN121024
Lab Sample ID:	P5066-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.9
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035534.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	U	1.3	0	7.7	ug/Kg
91-20-3	Naphthalene	0.42	U	0.42	0.94	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.97	U	0.97	0.94	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.39	U	0.39	0.94	3.8	ug/Kg
208-96-8	Acenaphthylene	0.54	U	0.54	0.94	3.8	ug/Kg
83-32-9	Acenaphthene	0.45	U	0.45	0.94	3.8	ug/Kg
86-73-7	Fluorene	0.78	U	0.78	0.94	3.8	ug/Kg
87-86-5	Pentachlorophenol	1.6	U	1.6	1.9	7.7	ug/Kg
85-01-8	Phenanthrene	0.58	U	0.58	0.94	3.8	ug/Kg
120-12-7	Anthracene	0.6	U	0.6	0.94	3.8	ug/Kg
206-44-0	Fluoranthene	1.5	J	0.78	0.94	3.8	ug/Kg
129-00-0	Pyrene	1.7	J	0.6	0.94	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	0.48	U	0.48	0.94	3.8	ug/Kg
218-01-9	Chrysene	1.1	J	0.48	0.94	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.6	J	0.24	0.94	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.88	J	0.45	0.94	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	0.41	U	0.41	0.94	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.98	U	0.98	0.94	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1	U	1	0.94	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	0.94	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.936		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.228		30-130		57	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.189		20-140		47	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2772		7.293			
1146-65-2	Naphthalene-d8	7301		10.036			
15067-26-2	Acenaphthene-d10	4443		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M8	SDG No.:	BN121024
Lab Sample ID:	P5066-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035534.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9443	16.717				
1719-03-5	Chrysene-d12	7252	20.964				
1520-96-3	Perylene-d12	6807	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N7	SDG No.:	BN121024
Lab Sample ID:	P5066-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035535.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.4	ug/Kg
91-20-3	Naphthalene	1.3	J	0.41	0.91	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	3.6		0.94	0.91	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	4.1		0.38	0.91	3.6	ug/Kg
208-96-8	Acenaphthylene	0.52	U	0.52	0.91	3.6	ug/Kg
83-32-9	Acenaphthene	0.43	U	0.43	0.91	3.6	ug/Kg
86-73-7	Fluorene	0.85	J	0.75	0.91	3.6	ug/Kg
87-86-5	Pentachlorophenol	1.5	U	1.5	1.9	7.4	ug/Kg
85-01-8	Phenanthrene	4.4		0.56	0.91	3.6	ug/Kg
120-12-7	Anthracene	0.57	U	0.57	0.91	3.6	ug/Kg
206-44-0	Fluoranthene	1.1	J	0.75	0.91	3.6	ug/Kg
129-00-0	Pyrene	2.1	J	0.57	0.91	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	0.46	U	0.46	0.91	3.6	ug/Kg
218-01-9	Chrysene	3.3	J	0.46	0.91	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.3	J	0.23	0.91	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.43	U	0.43	0.91	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	0.4	U	0.4	0.91	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.95	U	0.95	0.91	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.98	U	0.98	0.91	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2.7	J	1.1	0.91	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.529		15-120		69	SPK: -8
93951-69-0	Fluoranthene-d10	0.412		30-130		103	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.334		20-140		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3234		7.293			
1146-65-2	Naphthalene-d8	9066		10.036			
15067-26-2	Acenaphthene-d10	6117		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N7	SDG No.:	BN121024
Lab Sample ID:	P5066-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035535.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12384	16.717				
1719-03-5	Chrysene-d12	8043	20.961				
1520-96-3	Perylene-d12	7522	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N4	SDG No.:	BN121024
Lab Sample ID:	P5066-16	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	48.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BN035536.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.1	U	2.1	0	13	ug/Kg
91-20-3	Naphthalene	1.7	J	0.72	1.6	6.4	ug/Kg
90-12-0	1-Methylnaphthalene	1.6	J	1.6	1.6	6.4	ug/Kg
91-57-6	2-Methylnaphthalene	1.9	J	0.66	1.6	6.4	ug/Kg
208-96-8	Acenaphthylene	0.91	U	0.91	1.6	6.4	ug/Kg
83-32-9	Acenaphthene	0.76	U	0.76	1.6	6.4	ug/Kg
86-73-7	Fluorene	1.3	U	1.3	1.6	6.4	ug/Kg
87-86-5	Pentachlorophenol	2.7	U	2.7	3.2	13	ug/Kg
85-01-8	Phenanthrene	3.9	J	0.99	1.6	6.4	ug/Kg
120-12-7	Anthracene	1	U	1	1.6	6.4	ug/Kg
206-44-0	Fluoranthene	3.7	J	1.3	1.6	6.4	ug/Kg
129-00-0	Pyrene	3.3	J	1	1.6	6.4	ug/Kg
56-55-3	Benzo(a)anthracene	1.3	J	0.81	1.6	6.4	ug/Kg
218-01-9	Chrysene	2.1	J	0.81	1.6	6.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.9	J	0.41	1.6	6.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.4	J	0.76	1.6	6.4	ug/Kg
50-32-8	Benzo(a)pyrene	1.7	J	0.7	1.6	6.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U	1.7	1.6	6.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.7	U	1.7	1.6	6.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	1.6	6.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.81		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.17		30-130		43	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.167		20-140		42	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2923		7.292			
1146-65-2	Naphthalene-d8	7929		10.036			
15067-26-2	Acenaphthene-d10	4810		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N4	SDG No.:	BN121024
Lab Sample ID:	P5066-16	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	48.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035536.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9844	16.717				
1719-03-5	Chrysene-d12	7827	20.961				
1520-96-3	Perylene-d12	7462	23.047				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	2.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N5	SDG No.:	BN121024
Lab Sample ID:	P5066-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035537.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4	U	1.4	0	8.7	ug/Kg
91-20-3	Naphthalene	1.7	J	0.48	1.1	4.3	ug/Kg
90-12-0	1-Methylnaphthalene	1.2	J	1.1	1.1	4.3	ug/Kg
91-57-6	2-Methylnaphthalene	1.7	J	0.44	1.1	4.3	ug/Kg
208-96-8	Acenaphthylene	0.61	U	0.61	1.1	4.3	ug/Kg
83-32-9	Acenaphthene	0.51	U	0.51	1.1	4.3	ug/Kg
86-73-7	Fluorene	0.89	U	0.89	1.1	4.3	ug/Kg
87-86-5	Pentachlorophenol	1.8	U	1.8	2.2	8.7	ug/Kg
85-01-8	Phenanthrene	4.6		0.67	1.1	4.3	ug/Kg
120-12-7	Anthracene	0.68	U	0.68	1.1	4.3	ug/Kg
206-44-0	Fluoranthene	12		0.89	1.1	4.3	ug/Kg
129-00-0	Pyrene	11		0.68	1.1	4.3	ug/Kg
56-55-3	Benzo(a)anthracene	4.5		0.55	1.1	4.3	ug/Kg
218-01-9	Chrysene	6.1		0.55	1.1	4.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	10		0.27	1.1	4.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	4.1	J	0.51	1.1	4.3	ug/Kg
50-32-8	Benzo(a)pyrene	7.5		0.47	1.1	4.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4	J	1.1	1.1	4.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	1.1	4.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5.6		1.3	1.1	4.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.879		15-120		73	SPK: -8
93951-69-0	Fluoranthene-d10	0.324		30-130		81	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.299		20-140		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3276		7.293			
1146-65-2	Naphthalene-d8	9454		10.037			
15067-26-2	Acenaphthene-d10	6298		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N5	SDG No.:	BN121024
Lab Sample ID:	P5066-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035537.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13273	16.717				
1719-03-5	Chrysene-d12	8460	20.958				
1520-96-3	Perylene-d12	7104	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M4	SDG No.:	BN121024
Lab Sample ID:	P5066-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BN035538.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.2	ug/Kg
91-20-3	Naphthalene	0.86	J	0.4	0.89	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	0.92	U	0.92	0.89	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	0.93	J	0.37	0.89	3.6	ug/Kg
208-96-8	Acenaphthylene	3.2	J	0.51	0.89	3.6	ug/Kg
83-32-9	Acenaphthene	0.42	U	0.42	0.89	3.6	ug/Kg
86-73-7	Fluorene	0.73	U	0.73	0.89	3.6	ug/Kg
87-86-5	Pentachlorophenol	1.5	U	1.5	1.8	7.2	ug/Kg
85-01-8	Phenanthrene	2.3	J	0.55	0.89	3.6	ug/Kg
120-12-7	Anthracene	2.8	J	0.56	0.89	3.6	ug/Kg
206-44-0	Fluoranthene	12		0.73	0.89	3.6	ug/Kg
129-00-0	Pyrene	14		0.56	0.89	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	11		0.45	0.89	3.6	ug/Kg
218-01-9	Chrysene	16		0.45	0.89	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	35		0.23	0.89	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	12		0.42	0.89	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	18		0.39	0.89	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	11		0.93	0.89	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3.5	J	0.96	0.89	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	14		1.1	0.89	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.888		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.235		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.206		20-140		51	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3322		7.293			
1146-65-2	Naphthalene-d8	8988		10.037			
15067-26-2	Acenaphthene-d10	5477		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M4	SDG No.:	BN121024
Lab Sample ID:	P5066-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035538.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11233	16.717				
1719-03-5	Chrysene-d12	9040	20.961				
1520-96-3	Perylene-d12	8673	23.045				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M6	SDG No.:	BN121024
Lab Sample ID:	P5066-07	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BN035539.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.4	ug/Kg
91-20-3	Naphthalene	0.41	U	0.41	0.91	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	0.93	U	0.93	0.91	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	0.37	U	0.37	0.91	3.6	ug/Kg
208-96-8	Acenaphthylene	1.2	J	0.52	0.91	3.6	ug/Kg
83-32-9	Acenaphthene	0.43	U	0.43	0.91	3.6	ug/Kg
86-73-7	Fluorene	0.75	U	0.75	0.91	3.6	ug/Kg
87-86-5	Pentachlorophenol	1.5	U	1.5	1.8	7.4	ug/Kg
85-01-8	Phenanthrene	2.4	J	0.56	0.91	3.6	ug/Kg
120-12-7	Anthracene	2.9	J	0.57	0.91	3.6	ug/Kg
206-44-0	Fluoranthene	19		0.75	0.91	3.6	ug/Kg
129-00-0	Pyrene	18		0.57	0.91	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	12		0.46	0.91	3.6	ug/Kg
218-01-9	Chrysene	14		0.46	0.91	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	21		0.23	0.91	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	7.4		0.43	0.91	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	11		0.4	0.91	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5.7		0.95	0.91	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.9	J	0.98	0.91	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6		1.1	0.91	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.558		15-120		44	SPK: -8
93951-69-0	Fluoranthene-d10	0.233		30-130		58	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.191		20-140		48	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3170		7.293			
1146-65-2	Naphthalene-d8	9191		10.036			
15067-26-2	Acenaphthene-d10	6096		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M6	SDG No.:	BN121024
Lab Sample ID:	P5066-07	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035539.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12458	16.717				
1719-03-5	Chrysene-d12	8104	20.958				
1520-96-3	Perylene-d12	6935	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M7	SDG No.:	BN121024
Lab Sample ID:	P5066-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035540.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.3	ug/Kg
91-20-3	Naphthalene	0.4	U	0.4	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	0.93	U	0.93	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	0.91	J	0.37	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	0.51	U	0.51	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	0.43	U	0.43	0.9	3.6	ug/Kg
86-73-7	Fluorene	0.74	U	0.74	0.9	3.6	ug/Kg
87-86-5	Pentachlorophenol	1.5	U	1.5	1.8	7.3	ug/Kg
85-01-8	Phenanthrene	1.9	J	0.56	0.9	3.6	ug/Kg
120-12-7	Anthracene	0.57	U	0.57	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	0.74	U	0.74	0.9	3.6	ug/Kg
129-00-0	Pyrene	0.57	U	0.57	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	0.46	U	0.46	0.9	3.6	ug/Kg
218-01-9	Chrysene	1.5	J	0.46	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.8	J	0.23	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.43	U	0.43	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	0.39	U	0.39	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.94	U	0.94	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.97	U	0.97	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.2	J	1.1	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.815		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.286		30-130		72	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.249		20-140		62	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3013		7.293			
1146-65-2	Naphthalene-d8	8312		10.037			
15067-26-2	Acenaphthene-d10	5253		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M7	SDG No.:	BN121024
Lab Sample ID:	P5066-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035540.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11091	16.717				
1719-03-5	Chrysene-d12	8277	20.961				
1520-96-3	Perylene-d12	8063	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28M9	SDG No.:	BN121024
Lab Sample ID:	P5066-11	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.1
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035541.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4	U	1.4	0	8.5	ug/Kg
91-20-3	Naphthalene	1.6	J	0.47	1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	1.4	J	1.1	1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	1.9	J	0.43	1	4.2	ug/Kg
208-96-8	Acenaphthylene	0.6	U	0.6	1	4.2	ug/Kg
83-32-9	Acenaphthene	0.49	U	0.49	1	4.2	ug/Kg
86-73-7	Fluorene	0.86	U	0.86	1	4.2	ug/Kg
87-86-5	Pentachlorophenol	1.8	U	1.8	2.1	8.5	ug/Kg
85-01-8	Phenanthrene	3.8	J	0.65	1	4.2	ug/Kg
120-12-7	Anthracene	0.66	U	0.66	1	4.2	ug/Kg
206-44-0	Fluoranthene	7.8		0.86	1	4.2	ug/Kg
129-00-0	Pyrene	6.7		0.66	1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	2.7	J	0.53	1	4.2	ug/Kg
218-01-9	Chrysene	3.9	J	0.53	1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	6.1		0.27	1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.3	J	0.49	1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	4.3		0.46	1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.5	J	1.1	1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	U	1.1	1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3.3	J	1.2	1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.937		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.236		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.211		20-140		53	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3100		7.293			
1146-65-2	Naphthalene-d8	8801		10.037			
15067-26-2	Acenaphthene-d10	5548		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28M9	SDG No.:	BN121024
Lab Sample ID:	P5066-11	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035541.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10938	16.717				
1719-03-5	Chrysene-d12	7457	20.961				
1520-96-3	Perylene-d12	6944	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N0	SDG No.:	BN121024
Lab Sample ID:	P5066-12	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		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
BN035542.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	U	1.3	0	7.6	ug/Kg
91-20-3	Naphthalene	0.42	U	0.42	0.94	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.97	U	0.97	0.94	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.76	J	0.39	0.94	3.8	ug/Kg
208-96-8	Acenaphthylene	0.54	U	0.54	0.94	3.8	ug/Kg
83-32-9	Acenaphthene	0.44	U	0.44	0.94	3.8	ug/Kg
86-73-7	Fluorene	0.77	U	0.77	0.94	3.8	ug/Kg
87-86-5	Pentachlorophenol	1.6	U	1.6	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	1.6	J	0.58	0.94	3.8	ug/Kg
120-12-7	Anthracene	0.59	U	0.59	0.94	3.8	ug/Kg
206-44-0	Fluoranthene	2.7	J	0.77	0.94	3.8	ug/Kg
129-00-0	Pyrene	2.2	J	0.59	0.94	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	0.95	J	0.48	0.94	3.8	ug/Kg
218-01-9	Chrysene	1.9	J	0.48	0.94	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.2	J	0.24	0.94	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.91	J	0.44	0.94	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	0.41	U	0.41	0.94	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.98	U	0.98	0.94	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1	U	1	0.94	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.4	J	1.1	0.94	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.572		15-120		70	SPK: -8
93951-69-0	Fluoranthene-d10	0.425		30-130		106	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.34		20-140		85	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3513		7.293			
1146-65-2	Naphthalene-d8	10380		10.037			
15067-26-2	Acenaphthene-d10	6701		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N0	SDG No.:	BN121024
Lab Sample ID:	P5066-12	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035542.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13610	16.717				
1719-03-5	Chrysene-d12	8629	20.958				
1520-96-3	Perylene-d12	7837	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N6	SDG No.:	BN121024
Lab Sample ID:	P5066-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.6
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035543.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4	U	1.4	0	8.2	ug/Kg
91-20-3	Naphthalene	0.45	U	0.45	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	1	U	1	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	0.42	U	0.42	1	4.1	ug/Kg
208-96-8	Acenaphthylene	0.58	U	0.58	1	4.1	ug/Kg
83-32-9	Acenaphthene	0.48	U	0.48	1	4.1	ug/Kg
86-73-7	Fluorene	0.84	U	0.84	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	1.7	U	1.7	2.1	8.2	ug/Kg
85-01-8	Phenanthrene	0.94	J	0.63	1	4.1	ug/Kg
120-12-7	Anthracene	0.64	U	0.64	1	4.1	ug/Kg
206-44-0	Fluoranthene	1.9	J	0.84	1	4.1	ug/Kg
129-00-0	Pyrene	1.6	J	0.64	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	0.52	U	0.52	1	4.1	ug/Kg
218-01-9	Chrysene	0.9	J	0.52	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.5	J	0.26	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	0.44	U	0.44	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U	1.1	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	U	1.1	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.318		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.219		30-130		55	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.18		20-140		45	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3422		7.293			
1146-65-2	Naphthalene-d8	9774		10.036			
15067-26-2	Acenaphthene-d10	6418		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N6	SDG No.:	BN121024
Lab Sample ID:	P5066-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.6
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035543.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12879	16.717				
1719-03-5	Chrysene-d12	8324	20.961				
1520-96-3	Perylene-d12	7607	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M3	SDG No.:	BN121024
Lab Sample ID:	P5066-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035544.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.4	ug/Kg
91-20-3	Naphthalene	0.41	U	0.41	0.91	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	0.94	U	0.94	0.91	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	0.38	U	0.38	0.91	3.7	ug/Kg
208-96-8	Acenaphthylene	0.52	U	0.52	0.91	3.7	ug/Kg
83-32-9	Acenaphthene	0.43	U	0.43	0.91	3.7	ug/Kg
86-73-7	Fluorene	0.75	U	0.75	0.91	3.7	ug/Kg
87-86-5	Pentachlorophenol	1.6	U	1.6	1.9	7.4	ug/Kg
85-01-8	Phenanthrene	1	J	0.57	0.91	3.7	ug/Kg
120-12-7	Anthracene	0.58	U	0.58	0.91	3.7	ug/Kg
206-44-0	Fluoranthene	0.75	U	0.75	0.91	3.7	ug/Kg
129-00-0	Pyrene	0.58	U	0.58	0.91	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	0.47	U	0.47	0.91	3.7	ug/Kg
218-01-9	Chrysene	0.78	J	0.47	0.91	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.23	U	0.23	0.91	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.43	U	0.43	0.91	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	0.4	U	0.4	0.91	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.95	U	0.95	0.91	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.99	U	0.99	0.91	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	0.91	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	7.089		15-120		89	SPK: -8
93951-69-0	Fluoranthene-d10	0.529	*	30-130		132	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.408		20-140		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2966		7.293			
1146-65-2	Naphthalene-d8	8454		10.036			
15067-26-2	Acenaphthene-d10	5578		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M3	SDG No.:	BN121024
Lab Sample ID:	P5066-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035544.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11215	16.717				
1719-03-5	Chrysene-d12	7359	20.958				
1520-96-3	Perylene-d12	6428	23.045				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N2	SDG No.:	BN121024
Lab Sample ID:	P5066-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	19.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		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
BN035545.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4	U	1.4	0	8.3	ug/Kg
91-20-3	Naphthalene	1.6	J	0.46	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	1	U	1	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	0.42	U	0.42	1	4.1	ug/Kg
208-96-8	Acenaphthylene	0.58	U	0.58	1	4.1	ug/Kg
83-32-9	Acenaphthene	0.48	U	0.48	1	4.1	ug/Kg
86-73-7	Fluorene	0.84	U	0.84	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	1.7	U	1.7	2.1	8.3	ug/Kg
85-01-8	Phenanthrene	4.2		0.63	1	4.1	ug/Kg
120-12-7	Anthracene	6.6		0.64	1	4.1	ug/Kg
206-44-0	Fluoranthene	6.2		0.84	1	4.1	ug/Kg
129-00-0	Pyrene	5.3		0.64	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	1.7	J	0.52	1	4.1	ug/Kg
218-01-9	Chrysene	2.3	J	0.52	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	3.4	J	0.26	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.5	J	0.48	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	2.1	J	0.44	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	J	1.1	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	U	1.1	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.6	J	1.2	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.101		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.268		30-130		67	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.224		20-140		56	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3054		7.293			
1146-65-2	Naphthalene-d8	8731		10.036			
15067-26-2	Acenaphthene-d10	5812		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N2	SDG No.:	BN121024
Lab Sample ID:	P5066-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	19.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BN035545.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11785	16.717				
1719-03-5	Chrysene-d12	7436	20.961				
1520-96-3	Perylene-d12	6890	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SLCS441	SDG No.:	BN121024
Lab Sample ID:	PB165441BS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035546.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	57		1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	12		0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	12		0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	11		0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	11		0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	12		0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	11		0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	20		1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	12		0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	11		0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	14		0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	14		0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	11		0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	13		0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	12		0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	13		0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	12		0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12		0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11		0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12		0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.657		15-120		82	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.44		30-130		110	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.349		20-140		87	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3178	7.293				
1146-65-2	Naphthalene-d8	8889	10.037				
15067-26-2	Acenaphthene-d10	6089	13.949				

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SLCS441	SDG No.:	BN121024
Lab Sample ID:	PB165441BS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035546.D	1	12/5/2024 12:00:00 AM	12/10/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12776	16.717				
1719-03-5	Chrysene-d12	8032	20.961				
1520-96-3	Perylene-d12	7617	23.051				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SLCS439	SDG No.:	BN121024
Lab Sample ID:	PB165439BS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	1.03	Units:	g
Soil Aliquot Vol:	100	Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	MED
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035547.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1800		1.1	0	190	ug/Kg
91-20-3	Naphthalene	360		0.36	24	97	ug/Kg
90-12-0	1-Methylnaphthalene	360		0.83	24	97	ug/Kg
91-57-6	2-Methylnaphthalene	340		0.33	24	97	ug/Kg
208-96-8	Acenaphthylene	360		0.46	24	97	ug/Kg
83-32-9	Acenaphthene	370		0.38	24	97	ug/Kg
86-73-7	Fluorene	340		0.66	24	97	ug/Kg
87-86-5	Pentachlorophenol	610		1.4	48.8	190	ug/Kg
85-01-8	Phenanthrene	370		0.5	24	97	ug/Kg
120-12-7	Anthracene	340		0.5	24	97	ug/Kg
206-44-0	Fluoranthene	420		0.66	24	97	ug/Kg
129-00-0	Pyrene	420		0.5	24	97	ug/Kg
56-55-3	Benzo(a)anthracene	340		0.41	24	97	ug/Kg
218-01-9	Chrysene	400		0.41	24	97	ug/Kg
205-99-2	Benzo(b)fluoranthene	370		0.2	24	97	ug/Kg
207-08-9	Benzo(k)fluoranthene	410		0.38	24	97	ug/Kg
50-32-8	Benzo(a)pyrene	370		0.35	24	97	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	400		0.83	24	97	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	360		0.86	24	97	ug/Kg
191-24-2	Benzo(g,h,i)perylene	390		0.95	24	97	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.738		15-120		92	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.445		30-130		111	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.373		20-140		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2685		7.293			
1146-65-2	Naphthalene-d8	7128		10.036			
15067-26-2	Acenaphthene-d10	4572		13.949			

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SLCS439	SDG No.:	BN121024
Lab Sample ID:	PB165439BS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035547.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9034	16.717				
1719-03-5	Chrysene-d12	5892	20.961				
1520-96-3	Perylene-d12	6150	23.051				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SBLK441	SDG No.:	BN121024
Lab Sample ID:	PB165441BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035549.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	0.37	U	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.85	U	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.34	U	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.47	U	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.39	U	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.68	U	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.52	U	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.68	U	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.42	U	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.42	U	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.89	U	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.98	U	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.673		15-120		83	SPK: -8
93951-69-0	Fluoranthene-d10	0.331		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.271		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2561		7.289			
1146-65-2	Naphthalene-d8	6800		10.037			
15067-26-2	Acenaphthene-d10	4254		13.949			

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SBLK441	SDG No.:	BN121024
Lab Sample ID:	PB165441BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035549.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8806	16.717				
1719-03-5	Chrysene-d12	6158	20.961				
1520-96-3	Perylene-d12	5915	23.051				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BN121024
Lab Sample ID:	PB165439BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035550.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	200	ug/Kg
91-20-3	Naphthalene	0.36	U	0.36	24.3	98	ug/Kg
90-12-0	1-Methylnaphthalene	0.83	U	0.83	24.3	98	ug/Kg
91-57-6	2-Methylnaphthalene	0.33	U	0.33	24.3	98	ug/Kg
208-96-8	Acenaphthylene	0.46	U	0.46	24.3	98	ug/Kg
83-32-9	Acenaphthene	0.38	U	0.38	24.3	98	ug/Kg
86-73-7	Fluorene	0.67	U	0.67	24.3	98	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	49.3	200	ug/Kg
85-01-8	Phenanthrene	0.5	U	0.5	24.3	98	ug/Kg
120-12-7	Anthracene	0.51	U	0.51	24.3	98	ug/Kg
206-44-0	Fluoranthene	0.67	U	0.67	24.3	98	ug/Kg
129-00-0	Pyrene	0.51	U	0.51	24.3	98	ug/Kg
56-55-3	Benzo(a)anthracene	0.41	U	0.41	24.3	98	ug/Kg
218-01-9	Chrysene	0.41	U	0.41	24.3	98	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	24.3	98	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.38	U	0.38	24.3	98	ug/Kg
50-32-8	Benzo(a)pyrene	0.35	U	0.35	24.3	98	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.84	U	0.84	24.3	98	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.87	U	0.87	24.3	98	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.96	U	0.96	24.3	98	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.928		15-120		87	SPK: -8
93951-69-0	Fluoranthene-d10	0.342		30-130		86	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.283		20-140		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2486		7.293			
1146-65-2	Naphthalene-d8	6501		10.037			
15067-26-2	Acenaphthene-d10	4057		13.949			

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BN121024
Lab Sample ID:	PB165439BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035550.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8694	16.717				
1719-03-5	Chrysene-d12	6486	20.964				
1520-96-3	Perylene-d12	6184	23.048				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N8	SDG No.:	BN121024
Lab Sample ID:	P5066-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035551.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4	U	1.4	0	8.6	ug/Kg
91-20-3	Naphthalene	1.4	J	0.47	1.1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	3.9	J	1.1	1.1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	5		0.44	1.1	4.2	ug/Kg
208-96-8	Acenaphthylene	0.6	U	0.6	1.1	4.2	ug/Kg
83-32-9	Acenaphthene	0.94	J	0.5	1.1	4.2	ug/Kg
86-73-7	Fluorene	5.8		0.87	1.1	4.2	ug/Kg
87-86-5	Pentachlorophenol	1.8	U	1.8	2.1	8.6	ug/Kg
85-01-8	Phenanthrene	30		0.65	1.1	4.2	ug/Kg
120-12-7	Anthracene	0.67	U	0.67	1.1	4.2	ug/Kg
206-44-0	Fluoranthene	9.8		0.87	1.1	4.2	ug/Kg
129-00-0	Pyrene	9.1		0.67	1.1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	2.6	J	0.54	1.1	4.2	ug/Kg
218-01-9	Chrysene	12		0.54	1.1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.27	U	0.27	1.1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.5	U	0.5	1.1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	0.46	U	0.46	1.1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U	1.1	1.1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	U	1.1	1.1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.3	U	1.3	1.1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.432		15-120		68	SPK: -8
93951-69-0	Fluoranthene-d10	0.434		30-130		108	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.307		20-140		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3205		7.293			
1146-65-2	Naphthalene-d8	8383		10.037			
15067-26-2	Acenaphthene-d10	5291		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N8	SDG No.:	BN121024
Lab Sample ID:	P5066-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035551.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10917	16.717				
1719-03-5	Chrysene-d12	8063	20.961				
1520-96-3	Perylene-d12	7904	23.057				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N8MS	SDG No.:	BN121024
Lab Sample ID:	P5066-21MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	500 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
BN035552.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	52		1.4	0	8.6	ug/Kg
91-20-3	Naphthalene	14		0.47	1.1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	17		1.1	1.1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	18		0.43	1.1	4.2	ug/Kg
208-96-8	Acenaphthylene	14		0.6	1.1	4.2	ug/Kg
83-32-9	Acenaphthene	14		0.5	1.1	4.2	ug/Kg
86-73-7	Fluorene	17		0.87	1.1	4.2	ug/Kg
87-86-5	Pentachlorophenol	1.8	U	1.8	2.1	8.6	ug/Kg
85-01-8	Phenanthrene	43		0.65	1.1	4.2	ug/Kg
120-12-7	Anthracene	15		0.66	1.1	4.2	ug/Kg
206-44-0	Fluoranthene	28		0.87	1.1	4.2	ug/Kg
129-00-0	Pyrene	28		0.66	1.1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	17		0.54	1.1	4.2	ug/Kg
218-01-9	Chrysene	27		0.54	1.1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	19		0.27	1.1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	16		0.5	1.1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	17		0.46	1.1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	16		1.1	1.1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	14		1.1	1.1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	17		1.3	1.1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.455		15-120		57	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.454		30-130		113	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.324		20-140		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3490		7.293			
1146-65-2	Naphthalene-d8	9749		10.037			
15067-26-2	Acenaphthene-d10	6337		13.949			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N8MS	SDG No.:	BN121024
Lab Sample ID:	P5066-21MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	500 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
BN035552.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11114	16.717				
1719-03-5	Chrysene-d12	7282	20.961				
1520-96-3	Perylene-d12	7625	23.057				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N8MSD	SDG No.:	BN121024
Lab Sample ID:	P5066-22MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	500 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
BN035553.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	49		1.4	0	8.6	ug/Kg
91-20-3	Naphthalene	13		0.47	1.1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	16		1.1	1.1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	17		0.43	1.1	4.2	ug/Kg
208-96-8	Acenaphthylene	13		0.6	1.1	4.2	ug/Kg
83-32-9	Acenaphthene	13		0.5	1.1	4.2	ug/Kg
86-73-7	Fluorene	16		0.87	1.1	4.2	ug/Kg
87-86-5	Pentachlorophenol	1.8	U	1.8	2.1	8.6	ug/Kg
85-01-8	Phenanthrene	40		0.65	1.1	4.2	ug/Kg
120-12-7	Anthracene	14		0.66	1.1	4.2	ug/Kg
206-44-0	Fluoranthene	28		0.87	1.1	4.2	ug/Kg
129-00-0	Pyrene	27		0.66	1.1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	16		0.54	1.1	4.2	ug/Kg
218-01-9	Chrysene	25		0.54	1.1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	17		0.27	1.1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	16		0.5	1.1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	17		0.46	1.1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	15		1.1	1.1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13		1.1	1.1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	16		1.3	1.1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.435		15-120		54	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.453		30-130		113	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.31		20-140		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3626	7.293				
1146-65-2	Naphthalene-d8	10477	10.036				
15067-26-2	Acenaphthene-d10	6895	13.949				

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N8MSD	SDG No.:	BN121024
Lab Sample ID:	P5066-22MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	500 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
BN035553.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12206	16.717				
1719-03-5	Chrysene-d12	7363	20.964				
1520-96-3	Perylene-d12	7992	23.054				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M0	SDG No.:	BN121024
Lab Sample ID:	P5066-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.9
Sample Wt/Vol:	1.05	Units:	g
Soil Aliquot Vol:	100	Final Vol:	500
Extraction Type :		Test:	
	Decanted :	Level :	MED
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035554.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	200	ug/Kg
91-20-3	Naphthalene	420		0.38	25.3	100	ug/Kg
90-12-0	1-Methylnaphthalene	1500		0.87	25.3	100	ug/Kg
91-57-6	2-Methylnaphthalene	1700	E	0.35	25.3	100	ug/Kg
208-96-8	Acenaphthylene	120		0.48	25.3	100	ug/Kg
83-32-9	Acenaphthene	200		0.4	25.3	100	ug/Kg
86-73-7	Fluorene	660		0.7	25.3	100	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	51.4	200	ug/Kg
85-01-8	Phenanthrene	6100	E	0.52	25.3	100	ug/Kg
120-12-7	Anthracene	840		0.53	25.3	100	ug/Kg
206-44-0	Fluoranthene	3100	E	0.7	25.3	100	ug/Kg
129-00-0	Pyrene	3000	E	0.53	25.3	100	ug/Kg
56-55-3	Benzo(a)anthracene	260		0.43	25.3	100	ug/Kg
218-01-9	Chrysene	1100		0.43	25.3	100	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	25.3	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.4	U	0.4	25.3	100	ug/Kg
50-32-8	Benzo(a)pyrene	0.37	U	0.37	25.3	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.88	U	0.88	25.3	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.91	U	0.91	25.3	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1	U	1	25.3	100	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.112		15-120		39	SPK: -8
93951-69-0	Fluoranthene-d10	0.32		30-130		80	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.227		20-140		57	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3471		7.292			
1146-65-2	Naphthalene-d8	9779		10.035			
15067-26-2	Acenaphthene-d10	6054		13.947			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M0	SDG No.:	BN121024
Lab Sample ID:	P5066-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.9
Sample Wt/Vol:	1.05 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035554.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10230	16.716				
1719-03-5	Chrysene-d12	6662	20.965				
1520-96-3	Perylene-d12	7108	23.067				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M2	SDG No.:	BN121024
Lab Sample ID:	P5066-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035555.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	U	1.3	0	7.9	ug/Kg
91-20-3	Naphthalene	230	E	0.44	0.98	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	480	E	1	0.98	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	710	E	0.4	0.98	3.9	ug/Kg
208-96-8	Acenaphthylene	22		0.56	0.98	3.9	ug/Kg
83-32-9	Acenaphthene	57		0.46	0.98	3.9	ug/Kg
86-73-7	Fluorene	210	E	0.8	0.98	3.9	ug/Kg
87-86-5	Pentachlorophenol	1.7	U	1.7	2	7.9	ug/Kg
85-01-8	Phenanthrene	1200	E	0.6	0.98	3.9	ug/Kg
120-12-7	Anthracene	390	E	0.61	0.98	3.9	ug/Kg
206-44-0	Fluoranthene	430	E	0.8	0.98	3.9	ug/Kg
129-00-0	Pyrene	460	E	0.61	0.98	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	55		0.5	0.98	3.9	ug/Kg
218-01-9	Chrysene	72	E	0.5	0.98	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	33		0.25	0.98	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	9.4		0.46	0.98	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	0.43	U	0.43	0.98	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	10		1	0.98	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	U	1.1	0.98	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	16		1.2	0.98	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.848		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.317		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.287		20-140		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2801		7.293			
1146-65-2	Naphthalene-d8	7870		10.036			
15067-26-2	Acenaphthene-d10	5876		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M2	SDG No.:	BN121024
Lab Sample ID:	P5066-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035555.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9560	16.717				
1719-03-5	Chrysene-d12	6783	20.967				
1520-96-3	Perylene-d12	7258	23.074				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M5	SDG No.:	BN121024
Lab Sample ID:	P5066-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.2
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035556.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	7	ug/Kg
91-20-3	Naphthalene	1	J	0.39	0.86	3.4	ug/Kg
90-12-0	1-Methylnaphthalene	1	J	0.89	0.86	3.4	ug/Kg
91-57-6	2-Methylnaphthalene	1.3	J	0.35	0.86	3.4	ug/Kg
208-96-8	Acenaphthylene	1.6	J	0.49	0.86	3.4	ug/Kg
83-32-9	Acenaphthene	0.41	U	0.41	0.86	3.4	ug/Kg
86-73-7	Fluorene	0.71	U	0.71	0.86	3.4	ug/Kg
87-86-5	Pentachlorophenol	1.5	U	1.5	1.7	7	ug/Kg
85-01-8	Phenanthrene	3.2	J	0.53	0.86	3.4	ug/Kg
120-12-7	Anthracene	1.2	J	0.54	0.86	3.4	ug/Kg
206-44-0	Fluoranthene	11		0.71	0.86	3.4	ug/Kg
129-00-0	Pyrene	9.7		0.54	0.86	3.4	ug/Kg
56-55-3	Benzo(a)anthracene	4.8		0.44	0.86	3.4	ug/Kg
218-01-9	Chrysene	5.8		0.44	0.86	3.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	9.4		0.22	0.86	3.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.1	J	0.41	0.86	3.4	ug/Kg
50-32-8	Benzo(a)pyrene	6.3		0.38	0.86	3.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3.8		0.9	0.86	3.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.93	U	0.93	0.86	3.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5.3		1	0.86	3.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.512		15-120		44	SPK: -8
93951-69-0	Fluoranthene-d10	0.29		30-130		72	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.216		20-140		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2596		7.293			
1146-65-2	Naphthalene-d8	7942		10.037			
15067-26-2	Acenaphthene-d10	5200		13.949			

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	E28M5	SDG No.:	BN121024
Lab Sample ID:	P5066-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035556.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9814	16.717				
1719-03-5	Chrysene-d12	5479	20.964				
1520-96-3	Perylene-d12	5943	23.054				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N1	SDG No.:	BN121024
Lab Sample ID:	P5066-13	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035557.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.3	ug/Kg
91-20-3	Naphthalene	4.1		0.4	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	17		0.93	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	21		0.37	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	1.8	J	0.51	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	0.87	J	0.43	0.9	3.6	ug/Kg
86-73-7	Fluorene	1.6	J	0.74	0.9	3.6	ug/Kg
87-86-5	Pentachlorophenol	1.5	U	1.5	1.8	7.3	ug/Kg
85-01-8	Phenanthrene	25		0.56	0.9	3.6	ug/Kg
120-12-7	Anthracene	1.4	J	0.57	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	1.9	J	0.74	0.9	3.6	ug/Kg
129-00-0	Pyrene	3.9		0.57	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	0.46	U	0.46	0.9	3.6	ug/Kg
218-01-9	Chrysene	6.5		0.46	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.6	J	0.23	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.43	U	0.43	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	0.39	U	0.39	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.94	U	0.94	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.97	U	0.97	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6.1		1.1	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.789		15-120		72	SPK: -8
93951-69-0	Fluoranthene-d10	0.625	*	30-130		156	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.49		20-140		123	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3128		7.292			
1146-65-2	Naphthalene-d8	9328		10.036			
15067-26-2	Acenaphthene-d10	6146		13.953			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N1	SDG No.:	BN121024
Lab Sample ID:	P5066-13	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035557.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11052	16.717				
1719-03-5	Chrysene-d12	7440	20.961				
1520-96-3	Perylene-d12	7990	23.05				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N3	SDG No.:	BN121024
Lab Sample ID:	P5066-15	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.4
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035558.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	7.5	ug/Kg
91-20-3	Naphthalene	1.8	J	0.41	0.92	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	33		0.95	0.92	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	17		0.38	0.92	3.7	ug/Kg
208-96-8	Acenaphthylene	5		0.52	0.92	3.7	ug/Kg
83-32-9	Acenaphthene	3	J	0.44	0.92	3.7	ug/Kg
86-73-7	Fluorene	13		0.76	0.92	3.7	ug/Kg
87-86-5	Pentachlorophenol	1.6	U	1.6	1.9	7.5	ug/Kg
85-01-8	Phenanthrene	28		0.57	0.92	3.7	ug/Kg
120-12-7	Anthracene	5.1		0.58	0.92	3.7	ug/Kg
206-44-0	Fluoranthene	7		0.76	0.92	3.7	ug/Kg
129-00-0	Pyrene	7.2		0.58	0.92	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	2.5	J	0.47	0.92	3.7	ug/Kg
218-01-9	Chrysene	5.5		0.47	0.92	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	3.9		0.23	0.92	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.44	U	0.44	0.92	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	0.4	U	0.4	0.92	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.5	J	0.96	0.92	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.99	U	0.99	0.92	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2.3	J	1.1	0.92	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.954		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.318		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.308		20-140		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2783		7.293			
1146-65-2	Naphthalene-d8	8287		10.036			
15067-26-2	Acenaphthene-d10	6909		13.953			

Report of Analysis

Client:		Date Collected:	12/3/2024 12:00:00 AM
Project:		Date Received:	12/3/2024 12:00:00 AM
Client Sample ID:	E28N3	SDG No.:	BN121024
Lab Sample ID:	P5066-15	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BN035558.D	1	12/5/2024 12:00:00 AM	12/11/2024 12:00:00 AM	PB165441

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9097	16.721				
1719-03-5	Chrysene-d12	6081	20.964				
1520-96-3	Perylene-d12	6559	23.054				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E28M0								
P5066-01	E28M0	Solid	Total Alkanes	*	0.000	1.1	200	ug/Kg
			Total Tics :			0.00		
P5066-01	E28M0	Solid	1-Methylnaphthalene	1,500.000		0.87	100	ug/Kg
P5066-01	E28M0	Solid	2-Methylnaphthalene	1,700.000	E	0.35	100	ug/Kg
P5066-01	E28M0	Solid	Acenaphthene	200.000		0.4	100	ug/Kg
P5066-01	E28M0	Solid	Acenaphthylene	120.000		0.48	100	ug/Kg
P5066-01	E28M0	Solid	Anthracene	840.000		0.53	100	ug/Kg
P5066-01	E28M0	Solid	Benzo(a)anthracene	260.000		0.43	100	ug/Kg
P5066-01	E28M0	Solid	Chrysene	1,100.000		0.43	100	ug/Kg
P5066-01	E28M0	Solid	Fluoranthene	3,100.000	E	0.7	100	ug/Kg
P5066-01	E28M0	Solid	Fluorene	660.000		0.7	100	ug/Kg
P5066-01	E28M0	Solid	Naphthalene	420.000		0.38	100	ug/Kg
P5066-01	E28M0	Solid	Phenanthrene	6,100.000	E	0.52	100	ug/Kg
P5066-01	E28M0	Solid	Pyrene	3,000.000	E	0.53	100	ug/Kg
			Total Svoc :			19,000.00		
			Total Concentration:			19,000.00		
Client ID : E28M2								
P5066-03	E28M2	Solid	Total Alkanes	*	0.000	1.3	7.9	ug/Kg
			Total Tics :			0.00		
P5066-03	E28M2	Solid	1-Methylnaphthalene	480.000	E	1	3.9	ug/Kg
P5066-03	E28M2	Solid	2-Methylnaphthalene	710.000	E	0.4	3.9	ug/Kg
P5066-03	E28M2	Solid	Acenaphthene	57.000		0.46	3.9	ug/Kg
P5066-03	E28M2	Solid	Acenaphthylene	22.000		0.56	3.9	ug/Kg
P5066-03	E28M2	Solid	Anthracene	390.000	E	0.61	3.9	ug/Kg
P5066-03	E28M2	Solid	Benzo(a)anthracene	55.000		0.5	3.9	ug/Kg
P5066-03	E28M2	Solid	Benzo(b)fluoranthene	33.000		0.25	3.9	ug/Kg
P5066-03	E28M2	Solid	Benzo(g,h,i)perylene	16.000		1.2	3.9	ug/Kg
P5066-03	E28M2	Solid	Benzo(k)fluoranthene	9.400		0.46	3.9	ug/Kg
P5066-03	E28M2	Solid	Chrysene	72.000	E	0.5	3.9	ug/Kg
P5066-03	E28M2	Solid	Fluoranthene	430.000	E	0.8	3.9	ug/Kg
P5066-03	E28M2	Solid	Fluorene	210.000	E	0.8	3.9	ug/Kg
P5066-03	E28M2	Solid	Indeno(1,2,3-cd)pyrene	10.000		1	3.9	ug/Kg
P5066-03	E28M2	Solid	Naphthalene	230.000	E	0.44	3.9	ug/Kg
P5066-03	E28M2	Solid	Phenanthrene	1,200.000	E	0.6	3.9	ug/Kg
P5066-03	E28M2	Solid	Pyrene	460.000	E	0.61	3.9	ug/Kg
			Total Svoc :			4,384.40		

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				4,384.40				
Client ID : E28M3								
P5066-04	E28M3	Solid	Total Alkanes	*	0.000	1.2	7.4	ug/Kg
Total Tics :				0.00				
P5066-04	E28M3	Solid	Chrysene		0.780	J 0.47	3.7	ug/Kg
P5066-04	E28M3	Solid	Phenanthrene		1.000	J 0.57	3.7	ug/Kg
Total Svoc :				1.78				
Total Concentration:				1.78				
Client ID : E28M4								
P5066-05	E28M4	Solid	Total Alkanes	*	0.000	1.2	7.2	ug/Kg
Total Tics :				0.00				
P5066-05	E28M4	Solid	2-Methylnaphthalene		0.930	J 0.37	3.6	ug/Kg
P5066-05	E28M4	Solid	Acenaphthylene		3.200	J 0.51	3.6	ug/Kg
P5066-05	E28M4	Solid	Anthracene		2.800	J 0.56	3.6	ug/Kg
P5066-05	E28M4	Solid	Benzo(a)anthracene		11.000	0.45	3.6	ug/Kg
P5066-05	E28M4	Solid	Benzo(a)pyrene		18.000	0.39	3.6	ug/Kg
P5066-05	E28M4	Solid	Benzo(b)fluoranthene		35.000	0.23	3.6	ug/Kg
P5066-05	E28M4	Solid	Benzo(g,h,i)perylene		14.000	1.1	3.6	ug/Kg
P5066-05	E28M4	Solid	Benzo(k)fluoranthene		12.000	0.42	3.6	ug/Kg
P5066-05	E28M4	Solid	Chrysene		16.000	0.45	3.6	ug/Kg
P5066-05	E28M4	Solid	Dibenzo(a,h)anthracene		3.500	J 0.96	3.6	ug/Kg
P5066-05	E28M4	Solid	Fluoranthene		12.000	0.73	3.6	ug/Kg
P5066-05	E28M4	Solid	Indeno(1,2,3-cd)pyrene		11.000	0.93	3.6	ug/Kg
P5066-05	E28M4	Solid	Naphthalene		0.860	J 0.4	3.6	ug/Kg
P5066-05	E28M4	Solid	Phenanthrene		2.300	J 0.55	3.6	ug/Kg
P5066-05	E28M4	Solid	Pyrene		14.000	0.56	3.6	ug/Kg
Total Svoc :				156.59				
Total Concentration:				156.59				
Client ID : E28M5								
P5066-06	E28M5	Solid	Total Alkanes	*	0.000	1.1	7	ug/Kg
Total Tics :				0.00				
P5066-06	E28M5	Solid	1-Methylnaphthalene		1.000	J 0.89	3.4	ug/Kg
P5066-06	E28M5	Solid	2-Methylnaphthalene		1.300	J 0.35	3.4	ug/Kg
P5066-06	E28M5	Solid	Acenaphthylene		1.600	J 0.49	3.4	ug/Kg
P5066-06	E28M5	Solid	Anthracene		1.200	J 0.54	3.4	ug/Kg
P5066-06	E28M5	Solid	Benzo(a)anthracene		4.800	0.44	3.4	ug/Kg
P5066-06	E28M5	Solid	Benzo(a)pyrene		6.300	0.38	3.4	ug/Kg
P5066-06	E28M5	Solid	Benzo(b)fluoranthene		9.400	0.22	3.4	ug/Kg
P5066-06	E28M5	Solid	Benzo(g,h,i)perylene		5.300	1	3.4	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5066-06	E28M5	Solid	Benzo(k)fluoranthene	3.100	J	0.41	3.4	ug/Kg
P5066-06	E28M5	Solid	Chrysene	5.800		0.44	3.4	ug/Kg
P5066-06	E28M5	Solid	Fluoranthene	11.000		0.71	3.4	ug/Kg
P5066-06	E28M5	Solid	Indeno(1,2,3-cd)pyrene	3.800		0.9	3.4	ug/Kg
P5066-06	E28M5	Solid	Naphthalene	1.000	J	0.39	3.4	ug/Kg
P5066-06	E28M5	Solid	Phenanthrene	3.200	J	0.53	3.4	ug/Kg
P5066-06	E28M5	Solid	Pyrene	9.700		0.54	3.4	ug/Kg
Total Svoc :				68.50				
Total Concentration:				68.50				
Client ID : E28M6								
P5066-07	E28M6	Solid	Total Alkanes	*	0.000	1.2	7.4	ug/Kg
Total Tics :				0.00				
P5066-07	E28M6	Solid	Acenaphthylene	1.200	J	0.52	3.6	ug/Kg
P5066-07	E28M6	Solid	Anthracene	2.900	J	0.57	3.6	ug/Kg
P5066-07	E28M6	Solid	Benzo(a)anthracene	12.000		0.46	3.6	ug/Kg
P5066-07	E28M6	Solid	Benzo(a)pyrene	11.000		0.4	3.6	ug/Kg
P5066-07	E28M6	Solid	Benzo(b)fluoranthene	21.000		0.23	3.6	ug/Kg
P5066-07	E28M6	Solid	Benzo(g,h,i)perylene	6.000		1.1	3.6	ug/Kg
P5066-07	E28M6	Solid	Benzo(k)fluoranthene	7.400		0.43	3.6	ug/Kg
P5066-07	E28M6	Solid	Chrysene	14.000		0.46	3.6	ug/Kg
P5066-07	E28M6	Solid	Dibenzo(a,h)anthracene	1.900	J	0.98	3.6	ug/Kg
P5066-07	E28M6	Solid	Fluoranthene	19.000		0.75	3.6	ug/Kg
P5066-07	E28M6	Solid	Indeno(1,2,3-cd)pyrene	5.700		0.95	3.6	ug/Kg
P5066-07	E28M6	Solid	Phenanthrene	2.400	J	0.56	3.6	ug/Kg
P5066-07	E28M6	Solid	Pyrene	18.000		0.57	3.6	ug/Kg
Total Svoc :				122.50				
Total Concentration:				122.50				
Client ID : E28M7								
P5066-08	E28M7	Solid	Total Alkanes	*	0.000	1.2	7.3	ug/Kg
Total Tics :				0.00				
P5066-08	E28M7	Solid	2-Methylnaphthalene	0.910	J	0.37	3.6	ug/Kg
P5066-08	E28M7	Solid	Benzo(b)fluoranthene	0.800	J	0.23	3.6	ug/Kg
P5066-08	E28M7	Solid	Benzo(g,h,i)perylene	1.200	J	1.1	3.6	ug/Kg
P5066-08	E28M7	Solid	Chrysene	1.500	J	0.46	3.6	ug/Kg
P5066-08	E28M7	Solid	Phenanthrene	1.900	J	0.56	3.6	ug/Kg
Total Svoc :				6.31				
Total Concentration:				6.31				
Client ID : E28M8								
P5066-09	E28M8	Solid	Total Alkanes	*	0.000	1.3	7.7	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	0.00				
P5066-09	E28M8	Solid	Benzo(b)fluoranthene	1.600	J	0.24	3.8	ug/Kg
P5066-09	E28M8	Solid	Benzo(k)fluoranthene	0.880	J	0.45	3.8	ug/Kg
P5066-09	E28M8	Solid	Chrysene	1.100	J	0.48	3.8	ug/Kg
P5066-09	E28M8	Solid	Fluoranthene	1.500	J	0.78	3.8	ug/Kg
P5066-09	E28M8	Solid	Pyrene	1.700	J	0.6	3.8	ug/Kg
			Total Svoc :	6.78				
			Total Concentration:	6.78				
Client ID : E28M9								
P5066-11	E28M9	Solid	Total Alkanes	*	0.000	1.4	8.5	ug/Kg
			Total Tics :	0.00				
P5066-11	E28M9	Solid	1-Methylnaphthalene	1.400	J	1.1	4.2	ug/Kg
P5066-11	E28M9	Solid	2-Methylnaphthalene	1.900	J	0.43	4.2	ug/Kg
P5066-11	E28M9	Solid	Benzo(a)anthracene	2.700	J	0.53	4.2	ug/Kg
P5066-11	E28M9	Solid	Benzo(a)pyrene	4.300		0.46	4.2	ug/Kg
P5066-11	E28M9	Solid	Benzo(b)fluoranthene	6.100		0.27	4.2	ug/Kg
P5066-11	E28M9	Solid	Benzo(g,h,i)perylene	3.300	J	1.2	4.2	ug/Kg
P5066-11	E28M9	Solid	Benzo(k)fluoranthene	2.300	J	0.49	4.2	ug/Kg
P5066-11	E28M9	Solid	Chrysene	3.900	J	0.53	4.2	ug/Kg
P5066-11	E28M9	Solid	Fluoranthene	7.800		0.86	4.2	ug/Kg
P5066-11	E28M9	Solid	Indeno(1,2,3-cd)pyrene	2.500	J	1.1	4.2	ug/Kg
P5066-11	E28M9	Solid	Naphthalene	1.600	J	0.47	4.2	ug/Kg
P5066-11	E28M9	Solid	Phenanthrene	3.800	J	0.65	4.2	ug/Kg
P5066-11	E28M9	Solid	Pyrene	6.700		0.66	4.2	ug/Kg
			Total Svoc :	48.30				
			Total Concentration:	48.30				
Client ID : E28N0								
P5066-12	E28N0	Solid	Total Alkanes	*	0.000	1.3	7.6	ug/Kg
			Total Tics :	0.00				
P5066-12	E28N0	Solid	2-Methylnaphthalene	0.760	J	0.39	3.8	ug/Kg
P5066-12	E28N0	Solid	Benzo(a)anthracene	0.950	J	0.48	3.8	ug/Kg
P5066-12	E28N0	Solid	Benzo(b)fluoranthene	2.200	J	0.24	3.8	ug/Kg
P5066-12	E28N0	Solid	Benzo(g,h,i)perylene	1.400	J	1.1	3.8	ug/Kg
P5066-12	E28N0	Solid	Benzo(k)fluoranthene	0.910	J	0.44	3.8	ug/Kg
P5066-12	E28N0	Solid	Chrysene	1.900	J	0.48	3.8	ug/Kg
P5066-12	E28N0	Solid	Fluoranthene	2.700	J	0.77	3.8	ug/Kg
P5066-12	E28N0	Solid	Phenanthrene	1.600	J	0.58	3.8	ug/Kg
P5066-12	E28N0	Solid	Pyrene	2.200	J	0.59	3.8	ug/Kg
			Total Svoc :	14.62				

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				14.62				
Client ID : E28N1								
P5066-13	E28N1	Solid	Total Alkanes	*	0.000	1.2	7.3	ug/Kg
Total Tics :				0.00				
P5066-13	E28N1	Solid	1-Methylnaphthalene		17.000	0.93	3.6	ug/Kg
P5066-13	E28N1	Solid	2-Methylnaphthalene		21.000	0.37	3.6	ug/Kg
P5066-13	E28N1	Solid	Acenaphthene		0.870	J 0.43	3.6	ug/Kg
P5066-13	E28N1	Solid	Acenaphthylene		1.800	J 0.51	3.6	ug/Kg
P5066-13	E28N1	Solid	Anthracene		1.400	J 0.57	3.6	ug/Kg
P5066-13	E28N1	Solid	Benzo(b)fluoranthene		2.600	J 0.23	3.6	ug/Kg
P5066-13	E28N1	Solid	Benzo(g,h,i)perylene		6.100	1.1	3.6	ug/Kg
P5066-13	E28N1	Solid	Chrysene		6.500	0.46	3.6	ug/Kg
P5066-13	E28N1	Solid	Fluoranthene		1.900	J 0.74	3.6	ug/Kg
P5066-13	E28N1	Solid	Fluorene		1.600	J 0.74	3.6	ug/Kg
P5066-13	E28N1	Solid	Naphthalene		4.100	0.4	3.6	ug/Kg
P5066-13	E28N1	Solid	Phenanthrene		25.000	0.56	3.6	ug/Kg
P5066-13	E28N1	Solid	Pyrene		3.900	0.57	3.6	ug/Kg
Total Svoc :				93.77				
Total Concentration:				93.77				
Client ID : E28N2								
P5066-14	E28N2	Solid	Total Alkanes	*	0.000	1.4	8.3	ug/Kg
Total Tics :				0.00				
P5066-14	E28N2	Solid	Anthracene		6.600	0.64	4.1	ug/Kg
P5066-14	E28N2	Solid	Benzo(a)anthracene		1.700	J 0.52	4.1	ug/Kg
P5066-14	E28N2	Solid	Benzo(a)pyrene		2.100	J 0.44	4.1	ug/Kg
P5066-14	E28N2	Solid	Benzo(b)fluoranthene		3.400	J 0.26	4.1	ug/Kg
P5066-14	E28N2	Solid	Benzo(g,h,i)perylene		1.600	J 1.2	4.1	ug/Kg
P5066-14	E28N2	Solid	Benzo(k)fluoranthene		1.500	J 0.48	4.1	ug/Kg
P5066-14	E28N2	Solid	Chrysene		2.300	J 0.52	4.1	ug/Kg
P5066-14	E28N2	Solid	Fluoranthene		6.200	0.84	4.1	ug/Kg
P5066-14	E28N2	Solid	Indeno(1,2,3-cd)pyrene		1.300	J 1.1	4.1	ug/Kg
P5066-14	E28N2	Solid	Naphthalene		1.600	J 0.46	4.1	ug/Kg
P5066-14	E28N2	Solid	Phenanthrene		4.200	0.63	4.1	ug/Kg
P5066-14	E28N2	Solid	Pyrene		5.300	0.64	4.1	ug/Kg
Total Svoc :				37.80				
Total Concentration:				37.80				
Client ID : E28N3								
P5066-15	E28N3	Solid	Total Alkanes	*	0.000	1.2	7.5	ug/Kg
Total Tics :				0.00				

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5066-15	E28N3	Solid	1-Methylnaphthalene	33.000		0.95	3.7	ug/Kg
P5066-15	E28N3	Solid	2-Methylnaphthalene	17.000		0.38	3.7	ug/Kg
P5066-15	E28N3	Solid	Acenaphthene	3.000	J	0.44	3.7	ug/Kg
P5066-15	E28N3	Solid	Acenaphthylene	5.000		0.52	3.7	ug/Kg
P5066-15	E28N3	Solid	Anthracene	5.100		0.58	3.7	ug/Kg
P5066-15	E28N3	Solid	Benzo(a)anthracene	2.500	J	0.47	3.7	ug/Kg
P5066-15	E28N3	Solid	Benzo(b)fluoranthene	3.900		0.23	3.7	ug/Kg
P5066-15	E28N3	Solid	Benzo(g,h,i)perylene	2.300	J	1.1	3.7	ug/Kg
P5066-15	E28N3	Solid	Chrysene	5.500		0.47	3.7	ug/Kg
P5066-15	E28N3	Solid	Fluoranthene	7.000		0.76	3.7	ug/Kg
P5066-15	E28N3	Solid	Fluorene	13.000		0.76	3.7	ug/Kg
P5066-15	E28N3	Solid	Indeno(1,2,3-cd)pyrene	1.500	J	0.96	3.7	ug/Kg
P5066-15	E28N3	Solid	Naphthalene	1.800	J	0.41	3.7	ug/Kg
P5066-15	E28N3	Solid	Phenanthrene	28.000		0.57	3.7	ug/Kg
P5066-15	E28N3	Solid	Pyrene	7.200		0.58	3.7	ug/Kg

Total Svoc :

135.80

Total Concentration:

135.80

Client ID : E28N4

P5066-16	E28N4	Solid	Total Alkanes	*	0.000	2.1	13	ug/Kg
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Total Tics :

0.00

P5066-16	E28N4	Solid	1-Methylnaphthalene		1.600	J	1.6	6.4	ug/Kg
P5066-16	E28N4	Solid	2-Methylnaphthalene		1.900	J	0.66	6.4	ug/Kg
P5066-16	E28N4	Solid	Benzo(a)anthracene		1.300	J	0.81	6.4	ug/Kg
P5066-16	E28N4	Solid	Benzo(a)pyrene		1.700	J	0.7	6.4	ug/Kg
P5066-16	E28N4	Solid	Benzo(b)fluoranthene		2.900	J	0.41	6.4	ug/Kg
P5066-16	E28N4	Solid	Benzo(k)fluoranthene		1.400	J	0.76	6.4	ug/Kg
P5066-16	E28N4	Solid	Chrysene		2.100	J	0.81	6.4	ug/Kg
P5066-16	E28N4	Solid	Fluoranthene		3.700	J	1.3	6.4	ug/Kg
P5066-16	E28N4	Solid	Naphthalene		1.700	J	0.72	6.4	ug/Kg
P5066-16	E28N4	Solid	Phenanthrene		3.900	J	0.99	6.4	ug/Kg
P5066-16	E28N4	Solid	Pyrene		3.300	J	1	6.4	ug/Kg

Total Svoc :

25.50

Total Concentration:

25.50

Client ID : E28N5

P5066-17	E28N5	Solid	Total Alkanes	*	0.000	1.4	8.7	ug/Kg
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Total Tics :

0.00

P5066-17	E28N5	Solid	1-Methylnaphthalene		1.200	J	1.1	4.3	ug/Kg
P5066-17	E28N5	Solid	2-Methylnaphthalene		1.700	J	0.44	4.3	ug/Kg
P5066-17	E28N5	Solid	Benzo(a)anthracene		4.500		0.55	4.3	ug/Kg
P5066-17	E28N5	Solid	Benzo(a)pyrene		7.500		0.47	4.3	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5066-17	E28N5	Solid	Benzo(b)fluoranthene	10.000		0.27	4.3	ug/Kg
P5066-17	E28N5	Solid	Benzo(g,h,i)perylene	5.600		1.3	4.3	ug/Kg
P5066-17	E28N5	Solid	Benzo(k)fluoranthene	4.100	J	0.51	4.3	ug/Kg
P5066-17	E28N5	Solid	Chrysene	6.100		0.55	4.3	ug/Kg
P5066-17	E28N5	Solid	Fluoranthene	12.000		0.89	4.3	ug/Kg
P5066-17	E28N5	Solid	Indeno(1,2,3-cd)pyrene	4.000	J	1.1	4.3	ug/Kg
P5066-17	E28N5	Solid	Naphthalene	1.700	J	0.48	4.3	ug/Kg
P5066-17	E28N5	Solid	Phenanthrene	4.600		0.67	4.3	ug/Kg
P5066-17	E28N5	Solid	Pyrene	11.000		0.68	4.3	ug/Kg

Total Svoc :

74.00

Total Concentration:

74.00

Client ID : E28N6

P5066-18	E28N6	Solid	Total Alkanes	*	0.000	1.4	8.2	ug/Kg
Total Tics :					0.00			
P5066-18	E28N6	Solid	Benzo(b)fluoranthene		1.500	J 0.26	4.1	ug/Kg
P5066-18	E28N6	Solid	Chrysene		0.900	J 0.52	4.1	ug/Kg
P5066-18	E28N6	Solid	Fluoranthene		1.900	J 0.84	4.1	ug/Kg
P5066-18	E28N6	Solid	Phenanthrene		0.940	J 0.63	4.1	ug/Kg
P5066-18	E28N6	Solid	Pyrene		1.600	J 0.64	4.1	ug/Kg

Total Svoc :

6.84

Total Concentration:

6.84

Client ID : E28N7

P5066-19	E28N7	Solid	Total Alkanes	*	0.000	1.2	7.4	ug/Kg
Total Tics :					0.00			
P5066-19	E28N7	Solid	1-Methylnaphthalene		3.600	0.94	3.6	ug/Kg
P5066-19	E28N7	Solid	2-Methylnaphthalene		4.100	0.38	3.6	ug/Kg
P5066-19	E28N7	Solid	Benzo(b)fluoranthene		1.300	J 0.23	3.6	ug/Kg
P5066-19	E28N7	Solid	Benzo(g,h,i)perylene		2.700	J 1.1	3.6	ug/Kg
P5066-19	E28N7	Solid	Chrysene		3.300	J 0.46	3.6	ug/Kg
P5066-19	E28N7	Solid	Fluoranthene		1.100	J 0.75	3.6	ug/Kg
P5066-19	E28N7	Solid	Fluorene		0.850	J 0.75	3.6	ug/Kg
P5066-19	E28N7	Solid	Naphthalene		1.300	J 0.41	3.6	ug/Kg
P5066-19	E28N7	Solid	Phenanthrene		4.400	0.56	3.6	ug/Kg
P5066-19	E28N7	Solid	Pyrene		2.100	J 0.57	3.6	ug/Kg

Total Svoc :

24.75

Total Concentration:

24.75

Client ID : E28N8

P5066-20	E28N8	Solid	Total Alkanes	*	0.000	1.4	8.6	ug/Kg
Total Tics :					0.00			

Hit Summary Sheet SW-846

SDG No.: BN121024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5066-20	E28N8	Solid	1-Methylnaphthalene	3.900	J	1.1	4.2	ug/Kg
P5066-20	E28N8	Solid	2-Methylnaphthalene	5.000		0.44	4.2	ug/Kg
P5066-20	E28N8	Solid	Acenaphthene	0.940	J	0.5	4.2	ug/Kg
P5066-20	E28N8	Solid	Benzo(a)anthracene	2.600	J	0.54	4.2	ug/Kg
P5066-20	E28N8	Solid	Chrysene	12.000		0.54	4.2	ug/Kg
P5066-20	E28N8	Solid	Fluoranthene	9.800		0.87	4.2	ug/Kg
P5066-20	E28N8	Solid	Fluorene	5.800		0.87	4.2	ug/Kg
P5066-20	E28N8	Solid	Naphthalene	1.400	J	0.47	4.2	ug/Kg
P5066-20	E28N8	Solid	Phenanthrene	30.000		0.65	4.2	ug/Kg
P5066-20	E28N8	Solid	Pyrene	9.100		0.67	4.2	ug/Kg
Total Svoc :				80.54				
Total Concentration:				80.54				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN111624 SAS No.: BN111624 SDG No.: BN111624
Instrument ID: _____ Calibration Date(s): 11/16/2024
Calibration Time(s): 12:26

LAB FILE ID:		RRFAL1 = BN035134.D			RRFAL2 = BN035135.D		RRFAL3 = BN035136.D	
		RRFAL4 = BN035137.D			RRFAL5 = BN035138.D		RRFAL6 = BN035139.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.425	0.424	0.381	0.380	0.374	0.397	6.4
1,4-Dioxane-d8		0.385	0.398	0.347	0.350	0.347	0.366	6.6
Naphthalene	1.030	1.015	1.057	0.976	0.961		1.008	3.9
1-Methylnaphthalene	0.723	0.695	0.740	0.684	0.685		0.705	3.5
2-Methylnaphthalene	0.705	0.695	0.737	0.680	0.677		0.699	3.5
Acenaphthylene	1.595	1.597	1.638	1.568	1.536		1.587	2.4
Acenaphthene	1.241	1.225	1.246	1.197	1.161		1.214	2.9
Fluorene	1.444	1.422	1.476	1.410	1.373		1.425	2.7
Pentachlorophenol		0.079	0.087	0.088	0.099	0.113	0.093	14.2
Phenanthrene	1.071	1.063	1.088	1.043	1.023		1.057	2.4
Anthracene	0.998	0.971	1.004	0.969	0.966		0.981	1.8
Fluoranthene	1.393	1.361	1.470	1.388	1.353		1.393	3.3
Pyrene	1.466	1.429	1.530	1.433	1.388		1.449	3.7
Benzo (a) anthracene	1.404	1.387	1.441	1.367	1.342		1.388	2.7
Chrysene	1.420	1.402	1.456	1.377	1.330		1.397	3.4
Benzo (b) fluoranthene	1.355	1.307	1.371	1.289	1.290		1.322	2.9
Benzo (k) fluoranthene	1.336	1.401	1.421	1.345	1.313		1.363	3.3
Benzo (a) pyrene	1.242	1.203	1.244	1.182	1.170		1.208	2.8
Indeno (1,2,3-cd) pyrene	1.631	1.626	1.714	1.609	1.579		1.632	3.1
Dibenzo (a,h) anthracene	1.270	1.273	1.348	1.264	1.241		1.279	3.2
Benzo (g,h,i) perylene	1.286	1.305	1.348	1.261	1.233		1.287	3.4
Fluoranthene-d10	1.120	1.083	1.165	1.089	1.060		1.104	3.7
2-Methylnaphthalene-d10	0.600	0.583	0.614	0.569	0.565		0.586	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4225

Date Analyzed: Dec 10 2024 12:00AM

Lab File ID: BN035136.D

Time Analyzed: 16:06

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	2538	7.55	5912	10.31	3911	14.19
	UPPER LIMIT	5076	8.05	11824	10.812	7822	14.689
	LOWER LIMIT	1269	7.05	2956	9.812	1955.5	13.689
	EPA SAMPLE NO.						
01	SBLK441	2197	7.29	5713	10.04	3572	13.95
02	E28M8	2772	7.29	7301	10.04	4443	13.95
03	E28N7	3234	7.29	9066	10.04	6117	13.95
04	E28N4	2923	7.29	7929	10.04	4810	13.95
05	E28N5	3276	7.29	9454	10.04	6298	13.95
06	E28M4	3322	7.29	8988	10.04	5477	13.95
07	E28M6	3170	7.29	9191	10.04	6096	13.95
08	E28M7	3013	7.29	8312	10.04	5253	13.95
09	E28M9	3100	7.29	8801	10.04	5548	13.95
10	E28N0	3513	7.29	10380	10.04	6701	13.95
11	E28N6	3422	7.29	9774	10.04	6418	13.95
12	E28M3	2966	7.29	8454	10.04	5578	13.95
13	E28N2	3054	7.29	8731	10.04	5812	13.95
14	SLCS441	3178	7.29	8889	10.04	6089	13.95
15	SLCS439	2685	7.29	7128	10.04	4572	13.95
16	SBLK441	2561	7.29	6800	10.04	4254	13.95
17	SBLK439	2486	7.29	6501	10.04	4057	13.95
18	E28N8	3205	7.29	8383	10.04	5291	13.95
19	E28N8MS	3490	7.29	9749	10.04	6337	13.95
20	E28N8MSD	3626	7.29	10477	10.04	6895	13.95
21	E28M0	3471	7.29	9779	10.04	6054	13.95
22	E28M2	2801	7.29	7870	10.04	5876	13.95
23	E28M5	2596	7.29	7942	10.04	5200	13.95

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4225 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 07:06

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	2538	7.55	5912	10.31	3911	14.19
	UPPER LIMIT	5076	8.05	11824	10.812	7822	14.689
	LOWER LIMIT	1269	7.05	2956	9.812	1955.5	13.689
	EPA SAMPLE NO.						
24	E28N1	3128	7.29	9328	10.04	6146	13.95
25	E28N3	2783	7.29	8287	10.04	6909	13.95

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.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4359 Date Analyzed: Dec 10 2024 12:00AM

Lab File ID: BN035532.D Time Analyzed: 16:06

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	2761	7.293	7076	10.04	4511	13.95
UPPER LIMIT	5522	7.793	14152	10.536	9022	14.449
LOWER LIMIT	1380.5	6.793	3538	9.536	2255.5	13.449
EPA SAMPLE NO.						
01 SBLK441	2197	7.29	5713	10.04	3572	13.95
02 E28M8	2772	7.29	7301	10.04	4443	13.95
03 E28N7	3234	7.29	9066	10.04	6117	13.95
04 E28N4	2923	7.29	7929	10.04	4810	13.95
05 E28N5	3276	7.29	9454	10.04	6298	13.95
06 E28M4	3322	7.29	8988	10.04	5477	13.95
07 E28M6	3170	7.29	9191	10.04	6096	13.95
08 E28M7	3013	7.29	8312	10.04	5253	13.95
09 E28M9	3100	7.29	8801	10.04	5548	13.95
10 E28N0	3513	7.29	10380	10.04	6701	13.95
11 E28N6	3422	7.29	9774	10.04	6418	13.95
12 E28M3	2966	7.29	8454	10.04	5578	13.95
13 E28N2	3054	7.29	8731	10.04	5812	13.95
14 SLCS441	3178	7.29	8889	10.04	6089	13.95
15 SLCS439	2685	7.29	7128	10.04	4572	13.95

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.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4360 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BN035548.D Time Analyzed: 02:18

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	2991	7.293	7889	10.04	5161	13.95
UPPER LIMIT	5982	7.793	15778	10.537	10322	14.449
LOWER LIMIT	1495.5	6.793	3944.5	9.537	2580.5	13.449
EPA SAMPLE NO.						
01 SBLK441	2561	7.29	6800	10.04	4254	13.95
02 SBLK439	2486	7.29	6501	10.04	4057	13.95
03 E28N8	3205	7.29	8383	10.04	5291	13.95
04 E28N8MS	3490	7.29	9749	10.04	6337	13.95
05 E28N8MSD	3626	7.29	10477	10.04	6895	13.95
06 E28M0	3471	7.29	9779	10.04	6054	13.95
07 E28M2	2801	7.29	7870	10.04	5876	13.95
08 E28M5	2596	7.29	7942	10.04	5200	13.95
09 E28N1	3128	7.29	9328	10.04	6146	13.95
10 E28N3	2783	7.29	8287	10.04	6909	13.95

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.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4225 Date Analyzed: Dec 10 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 16:06

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	8422	16.941	7282	21.154	7906	23.331
	UPPER LIMIT	16844	17.441	14564	21.654	15812	23.831
	LOWER LIMIT	4211	16.441	3641	20.654	3953	22.831
	EPA SAMPLE NO.						
01	SBLK441	8072	16.72	6060	20.96	5287	23.05
02	E28M8	9443	16.72	7252	20.96	6807	23.05
03	E28N7	12384	16.72	8043	20.96	7522	23.05
04	E28N4	9844	16.72	7827	20.96	7462	23.05
05	E28N5	13273	16.72	8460	20.96	7104	23.05
06	E28M4	11233	16.72	9040	20.96	8673	23.05
07	E28M6	12458	16.72	8104	20.96	6935	23.05
08	E28M7	11091	16.72	8277	20.96	8063	23.05
09	E28M9	10938	16.72	7457	20.96	6944	23.05
10	E28N0	13610	16.72	8629	20.96	7837	23.05
11	E28N6	12879	16.72	8324	20.96	7607	23.05
12	E28M3	11215	16.72	7359	20.96	6428	23.05
13	E28N2	11785	16.72	7436	20.96	6890	23.05
14	SLCS441	12776	16.72	8032	20.96	7617	23.05
15	SLCS439	9034	16.72	5892	20.96	6150	23.05
16	SBLK441	8806	16.72	6158	20.96	5915	23.05
17	SBLK439	8694	16.72	6486	20.96	6184	23.05
18	E28N8	10917	16.72	8063	20.96	7904	23.06
19	E28N8MS	11114	16.72	7282	20.96	7625	23.06
20	E28N8MSD	12206	16.72	7363	20.96	7992	23.05
21	E28M0	10230	16.72	6662	20.97	7108	23.07

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4225 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 05:54

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	8422	16.941	7282	21.154	7906	23.331
UPPER LIMIT	16844	17.441	14564	21.654	15812	23.831
LOWER LIMIT	4211	16.441	3641	20.654	3953	22.831
EPA SAMPLE NO.						
22 E28M2	9560	16.72	6783	20.97	7258	23.07
23 E28M5	9814	16.72	5479	20.96	5943	23.05
24 E28N1	11052	16.72	7440	20.96	7990	23.05
25 E28N3	9097	16.72	6081	20.96	6559	23.05

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.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4359 Date Analyzed: Dec 10 2024 12:00AM

Lab File ID: BN035532.D Time Analyzed: 16:06

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	9658	16.717	7088	20.961	7260	23.051
	UPPER LIMIT	19316	17.217	14176	21.461	14520	23.551
	LOWER LIMIT	4829	16.217	3544	20.461	3630	22.551
	EPA SAMPLE NO.						
01	SBLK441	8072	16.72	6060	20.96	5287	23.05
02	E28M8	9443	16.72	7252	20.96	6807	23.05
03	E28N7	12384	16.72	8043	20.96	7522	23.05
04	E28N4	9844	16.72	7827	20.96	7462	23.05
05	E28N5	13273	16.72	8460	20.96	7104	23.05
06	E28M4	11233	16.72	9040	20.96	8673	23.05
07	E28M6	12458	16.72	8104	20.96	6935	23.05
08	E28M7	11091	16.72	8277	20.96	8063	23.05
09	E28M9	10938	16.72	7457	20.96	6944	23.05
10	E28N0	13610	16.72	8629	20.96	7837	23.05
11	E28N6	12879	16.72	8324	20.96	7607	23.05
12	E28M3	11215	16.72	7359	20.96	6428	23.05
13	E28N2	11785	16.72	7436	20.96	6890	23.05
14	SLCS441	12776	16.72	8032	20.96	7617	23.05
15	SLCS439	9034	16.72	5892	20.96	6150	23.05

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4359 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BN035532.D Time Analyzed: 00:30

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	9658	16.717	7088	20.961	7260	23.051
UPPER LIMIT	19316	17.217	14176	21.461	14520	23.551
LOWER LIMIT	4829	16.217	3544	20.461	3630	22.551
EPA SAMPLE NO.						

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.: BN121024 SAS No.: BN121024 SDG NO.: BN121024

EPA Sample No.: SSTD0.4360 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BN035548.D Time Analyzed: 02:18

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	10408	16.717	6553	20.961	6927	23.051
UPPER LIMIT	20816	17.217	13106	21.461	13854	23.551
LOWER LIMIT	5204	16.217	3276.5	20.461	3463.5	22.551
EPA SAMPLE NO.						
01 SBLK441	8806	16.72	6158	20.96	5915	23.05
02 SBLK439	8694	16.72	6486	20.96	6184	23.05
03 E28N8	10917	16.72	8063	20.96	7904	23.06
04 E28N8MS	11114	16.72	7282	20.96	7625	23.06
05 E28N8MSD	12206	16.72	7363	20.96	7992	23.05
06 E28M0	10230	16.72	6662	20.97	7108	23.07
07 E28M2	9560	16.72	6783	20.97	7258	23.07
08 E28M5	9814	16.72	5479	20.96	5943	23.05
09 E28N1	11052	16.72	7440	20.96	7990	23.05
10 E28N3	9097	16.72	6081	20.96	6559	23.05

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.: BN121024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165439BS	1,4-Dioxane	1900	1800	ug/Kg	95				0	0	
	Naphthalene	390	360	ug/Kg	92				0	0	
	1-Methylnaphthalene	390	360	ug/Kg	92				0	0	
	2-Methylnaphthalene	390	340	ug/Kg	87				0	0	
	Acenaphthylene	390	360	ug/Kg	92				0	0	
	Acenaphthene	390	370	ug/Kg	95				0	0	
	Fluorene	390	340	ug/Kg	87				0	0	
	Pentachlorophenol	780	610	ug/Kg	78				0	0	
	Phenanthrene	390	370	ug/Kg	95				0	0	
	Anthracene	390	340	ug/Kg	87				0	0	
	Fluoranthene	390	420	ug/Kg	108				0	0	
	Pyrene	390	420	ug/Kg	108				0	0	
	Benzo(a)anthracene	390	340	ug/Kg	87				0	0	
	Chrysene	390	400	ug/Kg	103				0	0	
	Benzo(b)fluoranthene	390	370	ug/Kg	95				0	0	
	Benzo(k)fluoranthene	390	410	ug/Kg	105				0	0	
	Benzo(a)pyrene	390	370	ug/Kg	95				0	0	
	Indeno(1,2,3-cd)pyrene	390	400	ug/Kg	103				0	0	
	Dibenzo(a,h)anthracene	390	360	ug/Kg	92				0	0	
	Benzo(g,h,i)perylene	390	390	ug/Kg	100				0	0	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN121024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165441BS	1,4-Dioxane	66.7	57	ug/Kg	85				0	0	
	Naphthalene	13.3	12	ug/Kg	90				0	0	
	1-Methylnaphthalene	13.3	12	ug/Kg	90				0	0	
	2-Methylnaphthalene	13.3	11	ug/Kg	83				0	0	
	Acenaphthylene	13.3	11	ug/Kg	83				0	0	
	Acenaphthene	13.3	12	ug/Kg	90				0	0	
	Fluorene	13.3	11	ug/Kg	83				0	0	
	Pentachlorophenol	26.7	20	ug/Kg	75				0	0	
	Phenanthrene	13.3	12	ug/Kg	90				0	0	
	Anthracene	13.3	11	ug/Kg	83				0	0	
	Fluoranthene	13.3	14	ug/Kg	105				0	0	
	Pyrene	13.3	14	ug/Kg	105				0	0	
	Benzo(a)anthracene	13.3	11	ug/Kg	83				0	0	
	Chrysene	13.3	13	ug/Kg	98				0	0	
	Benzo(b)fluoranthene	13.3	12	ug/Kg	90				0	0	
	Benzo(k)fluoranthene	13.3	13	ug/Kg	98				0	0	
	Benzo(a)pyrene	13.3	12	ug/Kg	90				0	0	
	Indeno(1,2,3-cd)pyrene	13.3	12	ug/Kg	90				0	0	
	Dibenzo(a,h)anthracene	13.3	11	ug/Kg	83				0	0	
	Benzo(g,h,i)perylene	13.3	12	ug/Kg	90				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK439

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN121024

SAS No.: BN121024 SDG NO.: BN121024

Lab File ID: BN035550.D

Lab Sample ID: PB165439BL

Instrument ID: BNA_N

Date Extracted: 12/05/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/11/2024

Level: (low/med) MED

Time Analyzed: 02:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E28M0	P5066-01	BN035554.D	12/11/2024
PB165439BS	PB165439BS	BN035547.D	12/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK441

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN121024

SAS No.: BN121024 SDG NO.: BN121024

Lab File ID: BN035549.D

Lab Sample ID: PB165441BL

Instrument ID: BNA_N

Date Extracted: 12/05/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/11/2024

Level: (low/med) LOW

Time Analyzed: 02:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E28M8	P5066-09	BN035534.D	12/10/2024
E28N7	P5066-19	BN035535.D	12/10/2024
E28N4	P5066-16	BN035536.D	12/10/2024
E28N5	P5066-17	BN035537.D	12/10/2024
E28M4	P5066-05	BN035538.D	12/10/2024
E28M6	P5066-07	BN035539.D	12/10/2024
E28M7	P5066-08	BN035540.D	12/10/2024
E28M9	P5066-11	BN035541.D	12/10/2024
E28N0	P5066-12	BN035542.D	12/10/2024
E28N6	P5066-18	BN035543.D	12/10/2024
E28M3	P5066-04	BN035544.D	12/10/2024
E28N2	P5066-14	BN035545.D	12/10/2024
PB165441BS	PB165441BS	BN035546.D	12/10/2024
E28M2	P5066-03	BN035555.D	12/11/2024
E28M5	P5066-06	BN035556.D	12/11/2024
E28N1	P5066-13	BN035557.D	12/11/2024
E28N3	P5066-15	BN035558.D	12/11/2024
E28N8	P5066-20	BN035551.D	12/11/2024
E28N8MS	P5066-21MS	BN035552.D	12/11/2024
E28N8MSD	P5066-22MSD	BN035553.D	12/11/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN121024

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5066-21MS		Client Sample ID: E28N8MS		DataFile: BN035552.D							
1,4-Dioxane	85.1		52	ug/Kg	61				15	120	
Naphthalene	17	1.4	14	ug/Kg	74				0	0	
1-Methylnaphthalene	17	3.9	17	ug/Kg	77				0	0	
2-Methylnaphthalene	17	5	18	ug/Kg	76				0	0	
Acenaphthylene	17		14	ug/Kg	82				0	0	
Acenaphthene	17	0.94	14	ug/Kg	77				31	137	
Fluorene	17	5.8	17	ug/Kg	66				0	0	
Pentachlorophenol	34		0	ug/Kg	0	*			17	109	
Phenanthrene	17	30	43	ug/Kg	76				0	0	
Anthracene	17		15	ug/Kg	88				0	0	
Fluoranthene	17	9.8	28	ug/Kg	107				0	0	
Pyrene	17	9.1	28	ug/Kg	111				35	142	
Benzo(a)anthracene	17	2.6	17	ug/Kg	85				0	0	
Chrysene	17	12	27	ug/Kg	88				0	0	
Benzo(b)fluoranthene	17		19	ug/Kg	112				0	0	
Benzo(k)fluoranthene	17		16	ug/Kg	94				0	0	
Benzo(a)pyrene	17		17	ug/Kg	100				0	0	
Indeno(1,2,3-cd)pyrene	17		16	ug/Kg	94				0	0	
Dibenzo(a,h)anthracene	17		14	ug/Kg	82				0	0	
Benzo(g,h,i)perylene	17		17	ug/Kg	100				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN121024

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P5066-22MSD	Client Sample ID:	E28N8MSD					DataFile:	BN035553.D		
1,4-Dioxane	85.2		49	ug/Kg	58		5		15	120	50
Naphthalene	17	1.4	13	ug/Kg	68		8	*	0	0	0
1-Methylnaphthalene	17	3.9	16	ug/Kg	71		8	*	0	0	0
2-Methylnaphthalene	17	5	17	ug/Kg	71		7	*	0	0	0
Acenaphthylene	17		13	ug/Kg	76		8	*	0	0	0
Acenaphthene	17	0.94	13	ug/Kg	71		8		31	137	19
Fluorene	17	5.8	16	ug/Kg	60		10	*	0	0	0
Pentachlorophenol	34.1		0	ug/Kg	0	*			17	109	47
Phenanthrene	17	30	40	ug/Kg	59		25	*	0	0	0
Anthracene	17		14	ug/Kg	82		7	*	0	0	0
Fluoranthene	17	9.8	28	ug/Kg	107		0		0	0	0
Pyrene	17	9.1	27	ug/Kg	105		6		35	142	36
Benzo(a)anthracene	17	2.6	16	ug/Kg	79		7	*	0	0	0
Chrysene	17	12	25	ug/Kg	76		15	*	0	0	0
Benzo(b)fluoranthene	17		17	ug/Kg	100		11	*	0	0	0
Benzo(k)fluoranthene	17		16	ug/Kg	94		0		0	0	0
Benzo(a)pyrene	17		17	ug/Kg	100		0		0	0	0
Indeno(1,2,3-cd)pyrene	17		15	ug/Kg	88		7	*	0	0	0
Dibenzo(a,h)anthracene	17		13	ug/Kg	76		8	*	0	0	0
Benzo(g,h,i)perylene	17		16	ug/Kg	94		6	*	0	0	0

Surrogate Summary

SW-846

SDG No.: BN121024

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5066-01	E28M0	BN035554.D	1,4-Dioxane-d8	8	3.11	39		15	120
			Fluoranthene-d10	0.4	0.32	80		30	130
			2-Methylnaphthalene-d10	0.4	0.23	57		20	140
PB165439BL	PB165439BL	BN035550.D	1,4-Dioxane-d8	8	6.93	87		15	120
			Fluoranthene-d10	0.4	0.34	86		30	130
			2-Methylnaphthalene-d10	0.4	0.28	71		20	140
PB165439BS	PB165439BS	BN035547.D	1,4-Dioxane-d8	0.8	0.74	92		15	120
			Fluoranthene-d10	0.4	0.45	111		30	130
			2-Methylnaphthalene-d10	0.4	0.37	93		20	140

Surrogate Summary

SW-846

SDG No.: **BN121024**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5066-03	E28M2	BN035555.D	1,4-Dioxane-d8	8	3.85	48		15	120
			Fluoranthene-d10	0.4	0.32	79		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		20	140
P5066-04	E28M3	BN035544.D	1,4-Dioxane-d8	8	7.09	89		15	120
			Fluoranthene-d10	0.4	0.53	132	*	30	130
			2-Methylnaphthalene-d10	0.4	0.41	102		20	140
P5066-05	E28M4	BN035538.D	1,4-Dioxane-d8	8	3.89	49		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.21	51		20	140
P5066-06	E28M5	BN035556.D	1,4-Dioxane-d8	8	3.51	44		15	120
			Fluoranthene-d10	0.4	0.29	72		30	130
			2-Methylnaphthalene-d10	0.4	0.22	54		20	140
P5066-07	E28M6	BN035539.D	1,4-Dioxane-d8	8	3.56	44		15	120
			Fluoranthene-d10	0.4	0.23	58		30	130
			2-Methylnaphthalene-d10	0.4	0.19	48		20	140
P5066-08	E28M7	BN035540.D	1,4-Dioxane-d8	8	4.82	60		15	120
			Fluoranthene-d10	0.4	0.29	72		30	130
			2-Methylnaphthalene-d10	0.4	0.25	62		20	140
P5066-09	E28M8	BN035534.D	1,4-Dioxane-d8	8	3.94	49		15	120
			Fluoranthene-d10	0.4	0.23	57		30	130
			2-Methylnaphthalene-d10	0.4	0.19	47		20	140
P5066-11	E28M9	BN035541.D	1,4-Dioxane-d8	8	3.94	49		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.21	53		20	140
P5066-12	E28N0	BN035542.D	1,4-Dioxane-d8	8	5.57	70		15	120
			Fluoranthene-d10	0.4	0.43	106		30	130
			2-Methylnaphthalene-d10	0.4	0.34	85		20	140
P5066-13	E28N1	BN035557.D	1,4-Dioxane-d8	8	5.79	72		15	120
			Fluoranthene-d10	0.4	0.63	156	*	30	130
			2-Methylnaphthalene-d10	0.4	0.49	123		20	140
P5066-14	E28N2	BN035545.D	1,4-Dioxane-d8	8	4.10	51		15	120
			Fluoranthene-d10	0.4	0.27	67		30	130
			2-Methylnaphthalene-d10	0.4	0.22	56		20	140
P5066-15	E28N3	BN035558.D	1,4-Dioxane-d8	8	3.95	49		15	120
			Fluoranthene-d10	0.4	0.32	79		30	130
			2-Methylnaphthalene-d10	0.4	0.31	77		20	140
P5066-16	E28N4	BN035536.D	1,4-Dioxane-d8	8	3.81	48		15	120
			Fluoranthene-d10	0.4	0.17	43		30	130
			2-Methylnaphthalene-d10	0.4	0.17	42		20	140
P5066-17	E28N5	BN035537.D	1,4-Dioxane-d8	8	5.88	73		15	120
			Fluoranthene-d10	0.4	0.32	81		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		20	140
P5066-18	E28N6	BN035543.D	1,4-Dioxane-d8	8	3.32	41		15	120
			Fluoranthene-d10	0.4	0.22	55		30	130
			2-Methylnaphthalene-d10	0.4	0.18	45		20	140
P5066-19	E28N7	BN035535.D	1,4-Dioxane-d8	8	5.53	69		15	120
			Fluoranthene-d10	0.4	0.41	103		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		20	140
P5066-20	E28N8	BN035551.D	1,4-Dioxane-d8	8	5.43	68		15	120

Surrogate Summary

SW-846

SDG No.: BN121024

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5066-20	E28N8	BN035551.D	Fluoranthene-d10	0.4	0.43	108		30	130
			2-Methylnaphthalene-d10	0.4	0.31	77		20	140
P5066-21MS	E28N8MS	BN035552.D	1,4-Dioxane-d8	0.8	0.46	57		15	120
			Fluoranthene-d10	0.4	0.45	113		30	130
			2-Methylnaphthalene-d10	0.4	0.32	81		20	140
P5066-22MSD	E28N8MSD	BN035553.D	1,4-Dioxane-d8	0.8	0.44	54		15	120
			Fluoranthene-d10	0.4	0.45	113		30	130
			2-Methylnaphthalene-d10	0.4	0.31	77		20	140
PB165441BL	PB165441BL	BN035549.D	1,4-Dioxane-d8	8	6.67	83		15	120
		BN035533.D	1,4-Dioxane-d8	8	6.73	84		15	120
			Fluoranthene-d10	0.4	0.32	81		30	130
		BN035549.D	Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140
		BN035533.D	2-Methylnaphthalene-d10	0.4	0.27	68		20	140
PB165441BS	PB165441BS	BN035546.D	1,4-Dioxane-d8	0.8	0.66	82		15	120
			Fluoranthene-d10	0.4	0.44	110		30	130
			2-Methylnaphthalene-d10	0.4	0.35	87		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN121024

Lab Code: CHEM

SAS No.: BN121024 SDG NO.: BN121024

Lab File ID: BN035531.D

DFTPP Injection Date: 12/10/2024

Instrument ID: BNA_N

DFTPP Injection Time: 14:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	40.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	73.1
443	15.0 - 24.0% of mass 442	14 (19.2) 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
SSTD0.4359	SSTDCCC0.4	BN035532.D	12/10/2024	15:30
SBLK441	PB165441BL	BN035533.D	12/10/2024	16:06
E28M8	P5066-09	BN035534.D	12/10/2024	16:42
E28N7	P5066-19	BN035535.D	12/10/2024	17:18
E28N4	P5066-16	BN035536.D	12/10/2024	17:54
E28N5	P5066-17	BN035537.D	12/10/2024	18:30
E28M4	P5066-05	BN035538.D	12/10/2024	19:06
E28M6	P5066-07	BN035539.D	12/10/2024	19:42
E28M7	P5066-08	BN035540.D	12/10/2024	20:18
E28M9	P5066-11	BN035541.D	12/10/2024	20:54
E28N0	P5066-12	BN035542.D	12/10/2024	21:30
E28N6	P5066-18	BN035543.D	12/10/2024	22:06
E28M3	P5066-04	BN035544.D	12/10/2024	22:42
E28N2	P5066-14	BN035545.D	12/10/2024	23:18
SLCS441	PB165441BS	BN035546.D	12/10/2024	23:54
SLCS439	PB165439BS	BN035547.D	12/11/2024	00:30
SSTD0.4360	SSTDCCC0.4	BN035548.D	12/11/2024	01:42
SBLK441	PB165441BL	BN035549.D	12/11/2024	02:18

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN121024

Lab Code: CHEM

SAS No.: BN121024 SDG NO.: BN121024

Lab File ID: BN035531.D

DFTPP Injection Date: 12/10/2024

Instrument ID: BNA_N

DFTPP Injection Time: 14:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	40.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	73.1
443	15.0 - 24.0% of mass 442	14 (19.2) 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
SBLK439	PB165439BL	BN035550.D	12/11/2024	02:54
E28N8	P5066-20	BN035551.D	12/11/2024	03:30
E28N8MS	P5066-21MS	BN035552.D	12/11/2024	04:06
E28N8MSD	P5066-22MSD	BN035553.D	12/11/2024	04:42
E28M0	P5066-01	BN035554.D	12/11/2024	05:18
E28M2	P5066-03	BN035555.D	12/11/2024	05:54
E28M5	P5066-06	BN035556.D	12/11/2024	06:30
E28N1	P5066-13	BN035557.D	12/11/2024	07:06
E28N3	P5066-15	BN035558.D	12/11/2024	07:42