

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM122624 SAS No.: BM122624 SDG No.: BM122624

Instrument ID: BNA_M Calibration Date/Time: 12/26/2024 : 10:07

Lab File ID: BM049218.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4128 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane-d8	0.461	0.467	0.010	1.1566	40.0
1,4-Dioxane	0.539	0.527	0.010	-2.2452	40.0
Naphthalene	1.001	0.997	0.600	-0.4592	30.0
1-Methylnaphthalene	0.650	0.638	0.300	-1.8358	30.0
2-Methylnaphthalene	0.634	0.626	0.300	-1.3408	30.0
Acenaphthylene	1.658	1.606	0.900	-3.1212	30.0
Acenaphthene	1.210	1.194	0.500	-1.3512	30.0
Fluorene	1.365	1.327	0.700	-2.7845	30.0
Pentachlorophenol	0.111	0.097	0.010	-12.0653	50.0
Phenanthrene	1.045	1.010	0.300	-3.3459	30.0
Anthracene	0.959	0.939	0.400	-2.1244	30.0
Fluoranthene	1.446	1.452	0.400	0.4294	30.0
Pyrene	1.542	1.556	0.500	0.8724	30.0
Benzo (a) anthracene	1.391	1.408	0.400	1.1668	30.0
Chrysene	1.493	1.476	0.400	-1.176	30.0
Benzo (b) fluoranthene	1.278	1.255	0.200	-1.7648	30.0
Benzo (k) fluoranthene	1.402	1.370	0.200	-2.3001	30.0
Benzo (a) pyrene	1.226	1.227	0.200	0.0893	30.0
Indeno (1,2,3-cd) pyrene	1.734	1.678	0.200	-3.2695	30.0
Dibenzo (a,h) anthracene	1.348	1.312	0.200	-2.6154	30.0
Benzo (g,h,i) perylene	1.395	1.367	0.200	-2.0037	30.0
Fluoranthene-d10	1.135	1.142	0.400	0.5846	30.0
2-Methylnaphthalene-d10	0.538	0.540	0.300	0.372	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.: BM122624 SAS No.: BM122624 SDG No.: BM122624

Instrument ID: BNA_M Calibration Date/Time: 12/26/2024 : 20:33

Lab File ID: BM049234.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4129 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane-d8	0.461	0.505	0.010	9.5475	40.0
1,4-Dioxane	0.539	0.543	0.010	0.7768	40.0
Naphthalene	1.001	1.003	0.600	0.176	30.0
1-Methylnaphthalene	0.650	0.628	0.300	-3.2953	30.0
2-Methylnaphthalene	0.634	0.597	0.300	-5.8117	30.0
Acenaphthylene	1.658	1.597	0.900	-3.6798	30.0
Acenaphthene	1.210	1.202	0.500	-0.6753	30.0
Fluorene	1.365	1.331	0.700	-2.4919	30.0
Pentachlorophenol	0.111	0.089	0.010	-19.291	50.0
Phenanthrene	1.045	0.975	0.300	-6.6732	30.0
Anthracene	0.959	0.886	0.400	-7.5769	30.0
Fluoranthene	1.446	1.375	0.400	-4.9606	30.0
Pyrene	1.542	1.457	0.500	-5.5556	30.0
Benzo (a) anthracene	1.391	1.252	0.400	-10.0004	30.0
Chrysene	1.493	1.512	0.400	1.256	30.0
Benzo (b) fluoranthene	1.278	1.264	0.200	-1.0564	30.0
Benzo (k) fluoranthene	1.402	1.406	0.200	0.2971	30.0
Benzo (a) pyrene	1.226	1.202	0.200	-1.9497	30.0
Indeno (1,2,3-cd) pyrene	1.734	1.649	0.200	-4.9206	30.0
Dibenzo (a,h) anthracene	1.348	1.266	0.200	-6.0544	30.0
Benzo (g,h,i) perylene	1.395	1.353	0.200	-3.0114	30.0
Fluoranthene-d10	1.135	1.072	0.400	-5.543	30.0
2-Methylnaphthalene-d10	0.538	0.514	0.300	-4.3367	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.: BM122624 SAS No.: BM122624 SDG No.: BM122624

Instrument ID: BNA_M Calibration Date/Time: 12/27/2024 : 01:18

Lab File ID: BM049241.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4130 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.539	0.562	0.010	4.1702	50.0
1,4-Dioxane-d8	0.461	0.476	0.010	3.1152	50.0
Naphthalene	1.001	1.007	0.600	0.6149	50.0
1-Methylnaphthalene	0.650	0.673	0.300	3.5309	50.0
2-Methylnaphthalene	0.634	0.637	0.300	0.4306	50.0
Acenaphthylene	1.658	1.565	0.900	-5.5742	50.0
Acenaphthene	1.210	1.189	0.500	-1.7328	50.0
Fluorene	1.365	1.365	0.700	-0.0264	50.0
Pentachlorophenol	0.111	0.087	0.010	-21.41	50.0
Phenanthrene	1.045	0.983	0.300	-5.8616	50.0
Anthracene	0.959	0.898	0.400	-6.3717	50.0
Fluoranthene	1.446	1.545	0.400	6.8161	50.0
Pyrene	1.542	1.621	0.500	5.0881	50.0
Benzo (a) anthracene	1.391	1.278	0.400	-8.1554	50.0
Chrysene	1.493	1.509	0.400	1.0387	50.0
Benzo (b) fluoranthene	1.278	1.283	0.200	0.4095	50.0
Benzo (k) fluoranthene	1.402	1.438	0.200	2.5848	50.0
Benzo (a) pyrene	1.226	1.239	0.200	1.1107	50.0
Indeno (1,2,3-cd) pyrene	1.734	1.651	0.200	-4.7988	50.0
Dibenzo (a,h) anthracene	1.348	1.260	0.200	-6.4682	50.0
Benzo (g,h,i) perylene	1.395	1.346	0.200	-3.5173	50.0
Fluoranthene-d10	1.135	1.207	0.400	6.3753	50.0
2-Methylnaphthalene-d10	0.538	0.548	0.300	1.8935	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/19/2024 12:00:00 AM
Project:		Date Received:	12/19/2024 12:00:00 AM
Client Sample ID:	SBLK752	SDG No.:	BM122624
Lab Sample ID:	PB165752BL	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
BM049219.D	1	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.89	U	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	0.2	U	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.33	U	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.18	U	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.22	U	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.18	U	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.17	U	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.18	U	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.24	U	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.09	U	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.25	U	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.47	U	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.32	U	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.32	U	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.47	U	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.75	U	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.735		15-120		72	SPK: -8
93951-69-0	Fluoranthene-d10	0.264		30-130		66	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.293		20-140		73	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4328		7.543			
1146-65-2	Naphthalene-d8	12502		10.304			
15067-26-2	Acenaphthene-d10	7017		14.183			

Report of Analysis

Client:		Date Collected:	12/19/2024 12:00:00 AM
Project:		Date Received:	12/19/2024 12:00:00 AM
Client Sample ID:	SBLK752	SDG No.:	BM122624
Lab Sample ID:	PB165752BL	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
BM049219.D	1	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16457	16.934				
1719-03-5	Chrysene-d12	15389	21.137				
1520-96-3	Perylene-d12	15881	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2921DL	SDG No.:	BM122624
Lab Sample ID:	P5333-19DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21
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
BM049220.D	2	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.2	U	2.2	0	17	ug/Kg
91-20-3	Naphthalene	1.8	JD	0.5	2.1	8.3	ug/Kg
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.1	8.3	ug/Kg
91-57-6	2-Methylnaphthalene	2.1	JD	0.48	2.1	8.3	ug/Kg
208-96-8	Acenaphthylene	3.2	JD	0.83	2.1	8.3	ug/Kg
83-32-9	Acenaphthene	4.5	JD	0.45	2.1	8.3	ug/Kg
86-73-7	Fluorene	4.7	JD	0.56	2.1	8.3	ug/Kg
87-86-5	Pentachlorophenol	5	U	5	4.2	17	ug/Kg
85-01-8	Phenanthrene	33	D	0.45	2.1	8.3	ug/Kg
120-12-7	Anthracene	11	D	0.43	2.1	8.3	ug/Kg
206-44-0	Fluoranthene	62	D	0.45	2.1	8.3	ug/Kg
129-00-0	Pyrene	52	D	0.61	2.1	8.3	ug/Kg
56-55-3	Benzo(a)anthracene	33	D	0.23	2.1	8.3	ug/Kg
218-01-9	Chrysene	30	D	0.63	2.1	8.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	D	1.2	2.1	8.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	18	D	0.81	2.1	8.3	ug/Kg
50-32-8	Benzo(a)pyrene	33	D	0.81	2.1	8.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	21	D	1.3	2.1	8.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	8.7	D	1.2	2.1	8.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25	D	1.9	2.1	8.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.7		15-120		46	SPK: -8
93951-69-0	Fluoranthene-d10	0.188		30-130		47	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.22		20-140		55	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4842		7.548			
1146-65-2	Naphthalene-d8	13766		10.308			
15067-26-2	Acenaphthene-d10	7603		14.186			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2921DL	SDG No.:	BM122624
Lab Sample ID:	P5333-19DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21
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
BM049220.D	2	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16659	16.933				
1719-03-5	Chrysene-d12	15431	21.138				
1520-96-3	Perylene-d12	16695	23.291				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	2.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2AS0DL	SDG No.:	BM122624
Lab Sample ID:	P5302-07DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.6
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
BM049221.D	5	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.3	U	5.3	0	40	ug/Kg
91-20-3	Naphthalene	1.2	U	1.2	4.9	19	ug/Kg
90-12-0	1-Methylnaphthalene	3.1	U	3.1	4.9	19	ug/Kg
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4.9	19	ug/Kg
208-96-8	Acenaphthylene	17	JD	1.9	4.9	19	ug/Kg
83-32-9	Acenaphthene	1.1	U	1.1	4.9	19	ug/Kg
86-73-7	Fluorene	5.1	JD	1.3	4.9	19	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	9.9	40	ug/Kg
85-01-8	Phenanthrene	45	D	1.1	4.9	19	ug/Kg
120-12-7	Anthracene	12	JD	1	4.9	19	ug/Kg
206-44-0	Fluoranthene	82	D	1.1	4.9	19	ug/Kg
129-00-0	Pyrene	57	D	1.4	4.9	19	ug/Kg
56-55-3	Benzo(a)anthracene	37	D	0.55	4.9	19	ug/Kg
218-01-9	Chrysene	34	D	1.5	4.9	19	ug/Kg
205-99-2	Benzo(b)fluoranthene	52	D	2.8	4.9	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	19	D	1.9	4.9	19	ug/Kg
50-32-8	Benzo(a)pyrene	28	D	1.9	4.9	19	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	19	D	3.1	4.9	19	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6.5	JD	2.8	4.9	19	ug/Kg
191-24-2	Benzo(g,h,i)perylene	14	JD	4.4	4.9	19	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.8		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.175		30-130		44	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.155		20-140		39	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4959		7.548			
1146-65-2	Naphthalene-d8	14068		10.31			
15067-26-2	Acenaphthene-d10	7989		14.183			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2AS0DL	SDG No.:	BM122624
Lab Sample ID:	P5302-07DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.6
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
BM049221.D	5	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16174	16.934				
1719-03-5	Chrysene-d12	14985	21.137				
1520-96-3	Perylene-d12	18809	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/17/2024 12:00:00 AM
Project:		Date Received:	12/17/2024 12:00:00 AM
Client Sample ID:	E2923DL	SDG No.:	BM122624
Lab Sample ID:	P5333-20DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.5
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
BM049222.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.5	U	5.5	0	41	ug/Kg
91-20-3	Naphthalene	1.2	U	1.2	5.1	20	ug/Kg
90-12-0	1-Methylnaphthalene	3.2	U	3.2	5.1	20	ug/Kg
91-57-6	2-Methylnaphthalene	1.2	U	1.2	5.1	20	ug/Kg
208-96-8	Acenaphthylene	2	U	2	5.1	20	ug/Kg
83-32-9	Acenaphthene	1.1	U	1.1	5.1	20	ug/Kg
86-73-7	Fluorene	1.3	U	1.3	5.1	20	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	10.3	41	ug/Kg
85-01-8	Phenanthrene	52	D	1.1	5.1	20	ug/Kg
120-12-7	Anthracene	11	JD	1	5.1	20	ug/Kg
206-44-0	Fluoranthene	96	D	1.1	5.1	20	ug/Kg
129-00-0	Pyrene	80	D	1.5	5.1	20	ug/Kg
56-55-3	Benzo(a)anthracene	45	D	0.57	5.1	20	ug/Kg
218-01-9	Chrysene	46	D	1.5	5.1	20	ug/Kg
205-99-2	Benzo(b)fluoranthene	59	D	2.9	5.1	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	24	D	2	5.1	20	ug/Kg
50-32-8	Benzo(a)pyrene	44	D	2	5.1	20	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	26	D	3.2	5.1	20	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	7.8	JD	2.9	5.1	20	ug/Kg
191-24-2	Benzo(g,h,i)perylene	33	D	4.6	5.1	20	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.05		15-120		38	SPK: -8
93951-69-0	Fluoranthene-d10	0.155		30-130		39	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.17		20-140		43	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5690		7.548			
1146-65-2	Naphthalene-d8	16354		10.309			
15067-26-2	Acenaphthene-d10	9684		14.183			

Report of Analysis

Client:		Date Collected:	12/17/2024 12:00:00 AM
Project:		Date Received:	12/17/2024 12:00:00 AM
Client Sample ID:	E2923DL	SDG No.:	BM122624
Lab Sample ID:	P5333-20DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.5
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
BM049222.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20073	16.934				
1719-03-5	Chrysene-d12	17420	21.137				
1520-96-3	Perylene-d12	21623	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2AR0	SDG No.:	BM122624
Lab Sample ID:	P5302-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	20
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
BM049223.D	1	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.3	ug/Kg
91-20-3	Naphthalene	0.25	U	0.25	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	0.65	U	0.65	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	0.24	U	0.24	1	4.1	ug/Kg
208-96-8	Acenaphthylene	0.41	U	0.41	1	4.1	ug/Kg
83-32-9	Acenaphthene	0.22	U	0.22	1	4.1	ug/Kg
86-73-7	Fluorene	0.27	U	0.27	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	2.5	U	2.5	2.1	8.3	ug/Kg
85-01-8	Phenanthrene	0.22	U	0.22	1	4.1	ug/Kg
120-12-7	Anthracene	0.21	U	0.21	1	4.1	ug/Kg
206-44-0	Fluoranthene	0.22	U	0.22	1	4.1	ug/Kg
129-00-0	Pyrene	0.3	U	0.3	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	0.12	U	0.12	1	4.1	ug/Kg
218-01-9	Chrysene	0.31	U	0.31	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.59	U	0.59	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.4	U	0.4	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	0.4	U	0.4	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.65	U	0.65	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.93	U	0.93	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.808		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.246		30-130		62	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.23		20-140		57	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4029		7.548			
1146-65-2	Naphthalene-d8	12249		10.308			
15067-26-2	Acenaphthene-d10	7092		14.182			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2AR0	SDG No.:	BM122624
Lab Sample ID:	P5302-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	20
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
BM049223.D	1	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16375	16.933				
1719-03-5	Chrysene-d12	14620	21.137				
1520-96-3	Perylene-d12	14692	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	SLCS772	SDG No.:	BM122624
Lab Sample ID:	PB165772BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049224.D	1	12/18/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.6		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.35		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.36		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.33		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.35		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.35		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.69		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.35		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.34		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.34		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.34		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.36		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.37		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.34		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.34		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.35		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.698		15-120		87	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.363		30-130		91	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.377		30-130		94	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3600	7.552				
1146-65-2	Naphthalene-d8	10709	10.315				
15067-26-2	Acenaphthene-d10	6560	14.187				

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	SLCS772	SDG No.:	BM122624
Lab Sample ID:	PB165772BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049224.D	1	12/18/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	14367	16.939				
1719-03-5	Chrysene-d12	13646	21.137				
1520-96-3	Perylene-d12	15620	23.291				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	SLCS769	SDG No.:	BM122624
Lab Sample ID:	PB165769BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049225.D	1	12/18/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165769

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.6		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.35		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.34		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.33		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.35		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.34		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.68		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.34		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.35		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.35		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.34		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.37		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.35		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.668		15-120		83	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.373		30-130		93	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.362		30-130		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3847	7.548				
1146-65-2	Naphthalene-d8	11085	10.308				
15067-26-2	Acenaphthene-d10	6481	14.186				

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	SLCS769	SDG No.:	BM122624
Lab Sample ID:	PB165769BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049225.D	1	12/18/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165769

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13994	16.937				
1719-03-5	Chrysene-d12	12788	21.137				
1520-96-3	Perylene-d12	14452	23.294				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2915DL	SDG No.:	BM122624
Lab Sample ID:	P5333-13DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.6
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
BM049226.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.9	U	5.9	0	44	ug/Kg
91-20-3	Naphthalene	29	D	1.3	5.5	22	ug/Kg
90-12-0	1-Methylnaphthalene	14	JD	3.4	5.5	22	ug/Kg
91-57-6	2-Methylnaphthalene	30	D	1.3	5.5	22	ug/Kg
208-96-8	Acenaphthylene	2.2	U	2.2	5.5	22	ug/Kg
83-32-9	Acenaphthene	1.2	U	1.2	5.5	22	ug/Kg
86-73-7	Fluorene	1.5	U	1.5	5.5	22	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	11.1	44	ug/Kg
85-01-8	Phenanthrene	56	D	1.2	5.5	22	ug/Kg
120-12-7	Anthracene	7	JD	1.1	5.5	22	ug/Kg
206-44-0	Fluoranthene	62	D	1.2	5.5	22	ug/Kg
129-00-0	Pyrene	58	D	1.6	5.5	22	ug/Kg
56-55-3	Benzo(a)anthracene	40	D	0.61	5.5	22	ug/Kg
218-01-9	Chrysene	50	D	1.7	5.5	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	71	D	3.1	5.5	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	23	D	2.1	5.5	22	ug/Kg
50-32-8	Benzo(a)pyrene	47	D	2.1	5.5	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29	D	3.4	5.5	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9.5	JD	3.1	5.5	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	D	5	5.5	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.545		15-120		44	SPK: -8
93951-69-0	Fluoranthene-d10	0.14		30-130		35	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.22		20-140		55	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5099		7.548			
1146-65-2	Naphthalene-d8	15105		10.308			
15067-26-2	Acenaphthene-d10	9200		14.182			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2915DL	SDG No.:	BM122624
Lab Sample ID:	P5333-13DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.6
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
BM049226.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20877	16.933				
1719-03-5	Chrysene-d12	19215	21.135				
1520-96-3	Perylene-d12	22416	23.285				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2906DL	SDG No.:	BM122624
Lab Sample ID:	P5333-03DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	25.3
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
BM049227.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.9	U	5.9	0	45	ug/Kg
91-20-3	Naphthalene	120	D	1.3	5.5	22	ug/Kg
90-12-0	1-Methylnaphthalene	62	D	3.5	5.5	22	ug/Kg
91-57-6	2-Methylnaphthalene	93	D	1.3	5.5	22	ug/Kg
208-96-8	Acenaphthylene	11	JD	2.2	5.5	22	ug/Kg
83-32-9	Acenaphthene	230	D	1.2	5.5	22	ug/Kg
86-73-7	Fluorene	150	D	1.5	5.5	22	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	11.2	45	ug/Kg
85-01-8	Phenanthrene	2600	ED	1.2	5.5	22	ug/Kg
120-12-7	Anthracene	190	D	1.1	5.5	22	ug/Kg
206-44-0	Fluoranthene	2500	ED	1.2	5.5	22	ug/Kg
129-00-0	Pyrene	1300	ED	1.6	5.5	22	ug/Kg
56-55-3	Benzo(a)anthracene	790	ED	0.62	5.5	22	ug/Kg
218-01-9	Chrysene	820	ED	1.7	5.5	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	990	ED	3.1	5.5	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	350	D	2.1	5.5	22	ug/Kg
50-32-8	Benzo(a)pyrene	320	D	2.1	5.5	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220	D	3.5	5.5	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	D	3.1	5.5	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	33	D	5	5.5	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.765		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.13		30-130		32	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.155		20-140		39	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5336		7.548			
1146-65-2	Naphthalene-d8	16247		10.309			
15067-26-2	Acenaphthene-d10	10293		14.183			

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2906DL	SDG No.:	BM122624
Lab Sample ID:	P5333-03DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	25.3
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
BM049227.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	23837	16.93				
1719-03-5	Chrysene-d12	21368	21.134				
1520-96-3	Perylene-d12	24340	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2909DL	SDG No.:	BM122624
Lab Sample ID:	P5333-06DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	29.9
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
BM049228.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.3	U	6.3	0	48	ug/Kg
91-20-3	Naphthalene	11	JD	1.4	5.9	23	ug/Kg
90-12-0	1-Methylnaphthalene	5.9	JD	3.7	5.9	23	ug/Kg
91-57-6	2-Methylnaphthalene	8.3	JD	1.4	5.9	23	ug/Kg
208-96-8	Acenaphthylene	7.6	JD	2.3	5.9	23	ug/Kg
83-32-9	Acenaphthene	1.3	U	1.3	5.9	23	ug/Kg
86-73-7	Fluorene	8.5	JD	1.6	5.9	23	ug/Kg
87-86-5	Pentachlorophenol	14	U	14	11.9	48	ug/Kg
85-01-8	Phenanthrene	59	D	1.3	5.9	23	ug/Kg
120-12-7	Anthracene	14	JD	1.2	5.9	23	ug/Kg
206-44-0	Fluoranthene	120	D	1.3	5.9	23	ug/Kg
129-00-0	Pyrene	110	D	1.7	5.9	23	ug/Kg
56-55-3	Benzo(a)anthracene	59	D	0.66	5.9	23	ug/Kg
218-01-9	Chrysene	61	D	1.8	5.9	23	ug/Kg
205-99-2	Benzo(b)fluoranthene	88	D	3.3	5.9	23	ug/Kg
207-08-9	Benzo(k)fluoranthene	29	D	2.3	5.9	23	ug/Kg
50-32-8	Benzo(a)pyrene	59	D	2.3	5.9	23	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32	D	3.7	5.9	23	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9.5	JD	3.3	5.9	23	ug/Kg
191-24-2	Benzo(g,h,i)perylene	44	D	5.3	5.9	23	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.945		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.205		30-130		51	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.235		20-140		59	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5494		7.543			
1146-65-2	Naphthalene-d8	17073		10.308			
15067-26-2	Acenaphthene-d10	10715		14.181			

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2909DL	SDG No.:	BM122624
Lab Sample ID:	P5333-06DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	29.9
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
BM049228.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24332	16.933				
1719-03-5	Chrysene-d12	21761	21.134				
1520-96-3	Perylene-d12	23325	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	6.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2920DL	SDG No.:	BM122624
Lab Sample ID:	P5333-18DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	25.4
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
BM049229.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.9	U	5.9	0	45	ug/Kg
91-20-3	Naphthalene	30	D	1.3	5.5	22	ug/Kg
90-12-0	1-Methylnaphthalene	16	JD	3.5	5.5	22	ug/Kg
91-57-6	2-Methylnaphthalene	53	D	1.3	5.5	22	ug/Kg
208-96-8	Acenaphthylene	2.2	U	2.2	5.5	22	ug/Kg
83-32-9	Acenaphthene	9.4	JD	1.2	5.5	22	ug/Kg
86-73-7	Fluorene	6.5	JD	1.5	5.5	22	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	11.2	45	ug/Kg
85-01-8	Phenanthrene	130	D	1.2	5.5	22	ug/Kg
120-12-7	Anthracene	24	D	1.1	5.5	22	ug/Kg
206-44-0	Fluoranthene	320	D	1.2	5.5	22	ug/Kg
129-00-0	Pyrene	310	D	1.6	5.5	22	ug/Kg
56-55-3	Benzo(a)anthracene	260	D	0.62	5.5	22	ug/Kg
218-01-9	Chrysene	290	D	1.7	5.5	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	540	ED	3.1	5.5	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	D	2.1	5.5	22	ug/Kg
50-32-8	Benzo(a)pyrene	400	ED	2.1	5.5	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220	D	3.5	5.5	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66	D	3.1	5.5	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	300	D	5	5.5	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.755		15-120		59	SPK: -8
93951-69-0	Fluoranthene-d10	0.22		30-130		55	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.285		20-140		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5477		7.548			
1146-65-2	Naphthalene-d8	16913		10.304			
15067-26-2	Acenaphthene-d10	10529		14.183			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2920DL	SDG No.:	BM122624
Lab Sample ID:	P5333-18DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	25.4
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
BM049229.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	23810	16.93				
1719-03-5	Chrysene-d12	21008	21.134				
1520-96-3	Perylene-d12	22738	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2919DL	SDG No.:	BM122624
Lab Sample ID:	P5333-17DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	22.2
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
BM049230.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.7	U	5.7	0	43	ug/Kg
91-20-3	Naphthalene	12	JD	1.3	5.3	21	ug/Kg
90-12-0	1-Methylnaphthalene	6.6	JD	3.3	5.3	21	ug/Kg
91-57-6	2-Methylnaphthalene	16	JD	1.2	5.3	21	ug/Kg
208-96-8	Acenaphthylene	2.1	U	2.1	5.3	21	ug/Kg
83-32-9	Acenaphthene	4.3	JD	1.2	5.3	21	ug/Kg
86-73-7	Fluorene	1.4	U	1.4	5.3	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.8	43	ug/Kg
85-01-8	Phenanthrene	34	D	1.2	5.3	21	ug/Kg
120-12-7	Anthracene	6.6	JD	1.1	5.3	21	ug/Kg
206-44-0	Fluoranthene	100	D	1.2	5.3	21	ug/Kg
129-00-0	Pyrene	120	D	1.5	5.3	21	ug/Kg
56-55-3	Benzo(a)anthracene	110	D	0.6	5.3	21	ug/Kg
218-01-9	Chrysene	130	D	1.6	5.3	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	D	3	5.3	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	75	D	2.1	5.3	21	ug/Kg
50-32-8	Benzo(a)pyrene	200	D	2.1	5.3	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	D	3.3	5.3	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	D	3	5.3	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	D	4.8	5.3	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.34		15-120		42	SPK: -8
93951-69-0	Fluoranthene-d10	0.14		30-130		35	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.175		20-140		44	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5399		7.548			
1146-65-2	Naphthalene-d8	17117		10.31			
15067-26-2	Acenaphthene-d10	10775		14.183			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2919DL	SDG No.:	BM122624
Lab Sample ID:	P5333-17DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	22.2
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
BM049230.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24179	16.93				
1719-03-5	Chrysene-d12	21368	21.134				
1520-96-3	Perylene-d12	22445	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2908DL	SDG No.:	BM122624
Lab Sample ID:	P5333-05DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	19.6
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
BM049231.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.5	U	5.5	0	42	ug/Kg
91-20-3	Naphthalene	6.2	JD	1.2	5.1	20	ug/Kg
90-12-0	1-Methylnaphthalene	4.1	JD	3.2	5.1	20	ug/Kg
91-57-6	2-Methylnaphthalene	5.6	JD	1.2	5.1	20	ug/Kg
208-96-8	Acenaphthylene	4.3	JD	2	5.1	20	ug/Kg
83-32-9	Acenaphthene	4.8	JD	1.1	5.1	20	ug/Kg
86-73-7	Fluorene	1.4	U	1.4	5.1	20	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	10.4	42	ug/Kg
85-01-8	Phenanthrene	49	D	1.1	5.1	20	ug/Kg
120-12-7	Anthracene	11	JD	1.1	5.1	20	ug/Kg
206-44-0	Fluoranthene	99	D	1.1	5.1	20	ug/Kg
129-00-0	Pyrene	84	D	1.5	5.1	20	ug/Kg
56-55-3	Benzo(a)anthracene	44	D	0.58	5.1	20	ug/Kg
218-01-9	Chrysene	47	D	1.5	5.1	20	ug/Kg
205-99-2	Benzo(b)fluoranthene	63	D	2.9	5.1	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	24	D	2	5.1	20	ug/Kg
50-32-8	Benzo(a)pyrene	43	D	2	5.1	20	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	24	D	3.2	5.1	20	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	7.2	JD	2.9	5.1	20	ug/Kg
191-24-2	Benzo(g,h,i)perylene	33	D	4.6	5.1	20	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.81		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.2		30-130		50	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	5116		7.544			
1146-65-2	Naphthalene-d8	15774		10.304			
15067-26-2	Acenaphthene-d10	9464		14.183			

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2908DL	SDG No.:	BM122624
Lab Sample ID:	P5333-05DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	19.6
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
BM049231.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20963	16.93				
1719-03-5	Chrysene-d12	18158	21.134				
1520-96-3	Perylene-d12	19807	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2914DL	SDG No.:	BM122624
Lab Sample ID:	P5333-12DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	22.2
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
BM049232.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1400	ED	5.7	0	43	ug/Kg
91-20-3	Naphthalene	38000	ED	1.3	5.3	21	ug/Kg
90-12-0	1-Methylnaphthalene	22000	ED	3.3	5.3	21	ug/Kg
91-57-6	2-Methylnaphthalene	53000	ED	1.2	5.3	21	ug/Kg
208-96-8	Acenaphthylene	2400	ED	2.1	5.3	21	ug/Kg
83-32-9	Acenaphthene	3000	ED	1.2	5.3	21	ug/Kg
86-73-7	Fluorene	280	D	1.4	5.3	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.8	43	ug/Kg
85-01-8	Phenanthrene	1.2	U	1.2	5.3	21	ug/Kg
120-12-7	Anthracene	1.1	U	1.1	5.3	21	ug/Kg
206-44-0	Fluoranthene	440	ED	1.2	5.3	21	ug/Kg
129-00-0	Pyrene	990	ED	1.5	5.3	21	ug/Kg
56-55-3	Benzo(a)anthracene	57000	ED	0.6	5.3	21	ug/Kg
218-01-9	Chrysene	4100	ED	1.6	5.3	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	170000	ED	3	5.3	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	9600	ED	2.1	5.3	21	ug/Kg
50-32-8	Benzo(a)pyrene	52000	ED	2.1	5.3	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37000	ED	3.3	5.3	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4100	ED	3	5.3	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6900	ED	4.8	5.3	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2836.21	*	15-120		35453	SPK: -8
93951-69-0	Fluoranthene-d10	1.695	*	30-130		424	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	224.915	*	20-140		56229	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5		7.573			
1146-65-2	Naphthalene-d8	11		10.376			
15067-26-2	Acenaphthene-d10	14		14.276			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2914DL	SDG No.:	BM122624
Lab Sample ID:	P5333-12DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	22.2
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
BM049232.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	124390	17.032				
1719-03-5	Chrysene-d12	26	21.26				
1520-96-3	Perylene-d12	25	23.393				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2907DL	SDG No.:	BM122624
Lab Sample ID:	P5333-04DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23
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
BM049233.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.8	U	5.8	0	43	ug/Kg
91-20-3	Naphthalene	22	D	1.3	5.3	21	ug/Kg
90-12-0	1-Methylnaphthalene	12	JD	3.4	5.3	21	ug/Kg
91-57-6	2-Methylnaphthalene	17	JD	1.2	5.3	21	ug/Kg
208-96-8	Acenaphthylene	4.5	JD	2.1	5.3	21	ug/Kg
83-32-9	Acenaphthene	40	D	1.2	5.3	21	ug/Kg
86-73-7	Fluorene	31	D	1.4	5.3	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.8	43	ug/Kg
85-01-8	Phenanthrene	530	ED	1.2	5.3	21	ug/Kg
120-12-7	Anthracene	40	D	1.1	5.3	21	ug/Kg
206-44-0	Fluoranthene	580	ED	1.2	5.3	21	ug/Kg
129-00-0	Pyrene	410	ED	1.6	5.3	21	ug/Kg
56-55-3	Benzo(a)anthracene	170	D	0.6	5.3	21	ug/Kg
218-01-9	Chrysene	200	D	1.6	5.3	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	260	D	3	5.3	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	89	D	2.1	5.3	21	ug/Kg
50-32-8	Benzo(a)pyrene	150	D	2.1	5.3	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90	D	3.4	5.3	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28	D	3	5.3	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	D	4.9	5.3	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.75		15-120		59	SPK: -8
93951-69-0	Fluoranthene-d10	0.235		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.285		20-140		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6040		7.544			
1146-65-2	Naphthalene-d8	18091		10.308			
15067-26-2	Acenaphthene-d10	10440		14.182			

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	E2907DL	SDG No.:	BM122624
Lab Sample ID:	P5333-04DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23
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
BM049233.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22747	16.929				
1719-03-5	Chrysene-d12	19044	21.135				
1520-96-3	Perylene-d12	20684	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.8	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2024 12:00:00 AM
Project:		Date Received:	12/19/2024 12:00:00 AM
Client Sample ID:	SBLK752	SDG No.:	BM122624
Lab Sample ID:	PB165752BL	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
BM049235.D	1	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.89	U	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	0.2	U	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.33	U	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.18	U	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.22	U	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.18	U	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.17	U	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.18	U	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.24	U	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.09	U	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.25	U	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.47	U	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.32	U	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.32	U	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.47	U	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.75	U	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.623		15-120		70	SPK: -8
93951-69-0	Fluoranthene-d10	0.291		30-130		73	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.29		20-140		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3986	7.543				
1146-65-2	Naphthalene-d8	11977	10.304				
15067-26-2	Acenaphthene-d10	7066	14.183				

Report of Analysis

Client:		Date Collected:	12/19/2024 12:00:00 AM
Project:		Date Received:	12/19/2024 12:00:00 AM
Client Sample ID:	SBLK752	SDG No.:	BM122624
Lab Sample ID:	PB165752BL	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
BM049235.D	1	12/19/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17179	16.93				
1719-03-5	Chrysene-d12	14298	21.14				
1520-96-3	Perylene-d12	14248	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2917DL	SDG No.:	BM122624
Lab Sample ID:	P5333-15DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.2
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
BM049236.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.8	U	5.8	0	43	ug/Kg
91-20-3	Naphthalene	14	JD	1.3	5.4	21	ug/Kg
90-12-0	1-Methylnaphthalene	8.9	JD	3.4	5.4	21	ug/Kg
91-57-6	2-Methylnaphthalene	20	JD	1.2	5.4	21	ug/Kg
208-96-8	Acenaphthylene	5.2	JD	2.1	5.4	21	ug/Kg
83-32-9	Acenaphthene	4.8	JD	1.2	5.4	21	ug/Kg
86-73-7	Fluorene	5.8	JD	1.4	5.4	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.9	43	ug/Kg
85-01-8	Phenanthrene	93	D	1.2	5.4	21	ug/Kg
120-12-7	Anthracene	20	JD	1.1	5.4	21	ug/Kg
206-44-0	Fluoranthene	180	D	1.2	5.4	21	ug/Kg
129-00-0	Pyrene	160	D	1.6	5.4	21	ug/Kg
56-55-3	Benzo(a)anthracene	91	D	0.6	5.4	21	ug/Kg
218-01-9	Chrysene	98	D	1.6	5.4	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	D	3	5.4	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	48	D	2.1	5.4	21	ug/Kg
50-32-8	Benzo(a)pyrene	110	D	2.1	5.4	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	58	D	3.4	5.4	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	18	JD	3	5.4	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82	D	4.9	5.4	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.265		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.17		30-130		43	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	4780		7.543			
1146-65-2	Naphthalene-d8	14343		10.31			
15067-26-2	Acenaphthene-d10	8915		14.183			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2917DL	SDG No.:	BM122624
Lab Sample ID:	P5333-15DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.2
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
BM049236.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20802	16.93				
1719-03-5	Chrysene-d12	18790	21.134				
1520-96-3	Perylene-d12	20542	23.285				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.8	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2918DL	SDG No.:	BM122624
Lab Sample ID:	P5333-16DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.9
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
BM049237.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.8	U	5.8	0	44	ug/Kg
91-20-3	Naphthalene	13	JD	1.3	5.4	22	ug/Kg
90-12-0	1-Methylnaphthalene	7.7	JD	3.4	5.4	22	ug/Kg
91-57-6	2-Methylnaphthalene	18	JD	1.2	5.4	22	ug/Kg
208-96-8	Acenaphthylene	2.2	U	2.2	5.4	22	ug/Kg
83-32-9	Acenaphthene	1.2	U	1.2	5.4	22	ug/Kg
86-73-7	Fluorene	1.4	U	1.4	5.4	22	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	11	44	ug/Kg
85-01-8	Phenanthrene	43	D	1.2	5.4	22	ug/Kg
120-12-7	Anthracene	7.7	JD	1.1	5.4	22	ug/Kg
206-44-0	Fluoranthene	93	D	1.2	5.4	22	ug/Kg
129-00-0	Pyrene	99	D	1.6	5.4	22	ug/Kg
56-55-3	Benzo(a)anthracene	87	D	0.61	5.4	22	ug/Kg
218-01-9	Chrysene	110	D	1.6	5.4	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	D	3.1	5.4	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	70	D	2.1	5.4	22	ug/Kg
50-32-8	Benzo(a)pyrene	150	D	2.1	5.4	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89	D	3.4	5.4	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	D	3.1	5.4	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	D	4.9	5.4	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.265		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.105	*	30-130		26	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.15		20-140		38	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5523		7.543			
1146-65-2	Naphthalene-d8	16508		10.304			
15067-26-2	Acenaphthene-d10	9662		14.183			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2918DL	SDG No.:	BM122624
Lab Sample ID:	P5333-16DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.9
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
BM049237.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20751	16.934				
1719-03-5	Chrysene-d12	19659	21.134				
1520-96-3	Perylene-d12	21481	23.285				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.8	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2916DL	SDG No.:	BM122624
Lab Sample ID:	P5333-14DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.4
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
BM049238.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.2	U	5.2	0	39	ug/Kg
91-20-3	Naphthalene	6.5	JD	1.2	4.9	19	ug/Kg
90-12-0	1-Methylnaphthalene	3.1	U	3.1	4.9	19	ug/Kg
91-57-6	2-Methylnaphthalene	6.9	JD	1.1	4.9	19	ug/Kg
208-96-8	Acenaphthylene	1.9	U	1.9	4.9	19	ug/Kg
83-32-9	Acenaphthene	1.1	U	1.1	4.9	19	ug/Kg
86-73-7	Fluorene	1.3	U	1.3	4.9	19	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	9.9	39	ug/Kg
85-01-8	Phenanthrene	30	D	1.1	4.9	19	ug/Kg
120-12-7	Anthracene	6.7	JD	1	4.9	19	ug/Kg
206-44-0	Fluoranthene	73	D	1.1	4.9	19	ug/Kg
129-00-0	Pyrene	70	D	1.4	4.9	19	ug/Kg
56-55-3	Benzo(a)anthracene	47	D	0.55	4.9	19	ug/Kg
218-01-9	Chrysene	55	D	1.5	4.9	19	ug/Kg
205-99-2	Benzo(b)fluoranthene	91	D	2.8	4.9	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	34	D	1.9	4.9	19	ug/Kg
50-32-8	Benzo(a)pyrene	69	D	1.9	4.9	19	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40	D	3.1	4.9	19	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11	JD	2.8	4.9	19	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52	D	4.4	4.9	19	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.175		15-120		40	SPK: -8
93951-69-0	Fluoranthene-d10	0.165		30-130		41	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	5384		7.544			
1146-65-2	Naphthalene-d8	16715		10.308			
15067-26-2	Acenaphthene-d10	10451		14.182			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2916DL	SDG No.:	BM122624
Lab Sample ID:	P5333-14DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.4
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
BM049238.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	23044	16.933				
1719-03-5	Chrysene-d12	19057	21.135				
1520-96-3	Perylene-d12	20829	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2912DL	SDG No.:	BM122624
Lab Sample ID:	P5333-09DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.8
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
BM049239.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.8	U	5.8	0	44	ug/Kg
91-20-3	Naphthalene	12	JD	1.3	5.4	22	ug/Kg
90-12-0	1-Methylnaphthalene	10	JD	3.4	5.4	22	ug/Kg
91-57-6	2-Methylnaphthalene	12	JD	1.2	5.4	22	ug/Kg
208-96-8	Acenaphthylene	2.2	U	2.2	5.4	22	ug/Kg
83-32-9	Acenaphthene	13	JD	1.2	5.4	22	ug/Kg
86-73-7	Fluorene	18	JD	1.4	5.4	22	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	11	44	ug/Kg
85-01-8	Phenanthrene	230	D	1.2	5.4	22	ug/Kg
120-12-7	Anthracene	18	JD	1.1	5.4	22	ug/Kg
206-44-0	Fluoranthene	240	D	1.2	5.4	22	ug/Kg
129-00-0	Pyrene	180	D	1.6	5.4	22	ug/Kg
56-55-3	Benzo(a)anthracene	70	D	0.61	5.4	22	ug/Kg
218-01-9	Chrysene	87	D	1.6	5.4	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	D	3.1	5.4	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	32	D	2.1	5.4	22	ug/Kg
50-32-8	Benzo(a)pyrene	56	D	2.1	5.4	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	D	3.4	5.4	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11	JD	3.1	5.4	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	42	D	4.9	5.4	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.05		15-120		38	SPK: -8
93951-69-0	Fluoranthene-d10	0.125		30-130		31	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.17		20-140		43	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5347		7.544			
1146-65-2	Naphthalene-d8	15859		10.304			
15067-26-2	Acenaphthene-d10	10344		14.183			

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2912DL	SDG No.:	BM122624
Lab Sample ID:	P5333-09DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	23.8
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
BM049239.D	5	12/20/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22606	16.93				
1719-03-5	Chrysene-d12	18637	21.137				
1520-96-3	Perylene-d12	20296	23.288				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.8	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2911DL	SDG No.:	BM122624
Lab Sample ID:	P5333-08DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	20
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
BM049240.D	5	12/20/2024 12:00:00 AM	12/27/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.6	U	5.6	0	42	ug/Kg
91-20-3	Naphthalene	7.9	JD	1.3	5.2	21	ug/Kg
90-12-0	1-Methylnaphthalene	3.3	U	3.3	5.2	21	ug/Kg
91-57-6	2-Methylnaphthalene	4.6	JD	1.2	5.2	21	ug/Kg
208-96-8	Acenaphthylene	4.8	JD	2.1	5.2	21	ug/Kg
83-32-9	Acenaphthene	4.4	JD	1.1	5.2	21	ug/Kg
86-73-7	Fluorene	5.4	JD	1.4	5.2	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.5	42	ug/Kg
85-01-8	Phenanthrene	54	D	1.1	5.2	21	ug/Kg
120-12-7	Anthracene	12	JD	1.1	5.2	21	ug/Kg
206-44-0	Fluoranthene	81	D	1.1	5.2	21	ug/Kg
129-00-0	Pyrene	71	D	1.5	5.2	21	ug/Kg
56-55-3	Benzo(a)anthracene	36	D	0.58	5.2	21	ug/Kg
218-01-9	Chrysene	38	D	1.6	5.2	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	D	2.9	5.2	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	16	JD	2	5.2	21	ug/Kg
50-32-8	Benzo(a)pyrene	35	D	2	5.2	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	19	JD	3.3	5.2	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6	JD	2.9	5.2	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28	D	4.7	5.2	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.305		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.125		30-130		31	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	6284	7.543				
1146-65-2	Naphthalene-d8	19333	10.304				
15067-26-2	Acenaphthene-d10	11733	14.183				

Report of Analysis

Client:		Date Collected:	12/16/2024 12:00:00 AM
Project:		Date Received:	12/16/2024 12:00:00 AM
Client Sample ID:	E2911DL	SDG No.:	BM122624
Lab Sample ID:	P5333-08DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	20
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
BM049240.D	5	12/20/2024 12:00:00 AM	12/27/2024 12:00:00 AM	PB165780

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25574	16.93				
1719-03-5	Chrysene-d12	21703	21.134				
1520-96-3	Perylene-d12	23785	23.291				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.6	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E2AR0								
P5302-01	E2AR0	Solid	Total Alkanes	*	0.000	1.1	8.3	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : E2AS0DL								
P5302-07DL	E2AS0DL	Solid	Total Alkanes	*	0.000	D 5.3	40	ug/Kg
			Total Tics :			0.00		
P5302-07DL	E2AS0DL	Solid	Acenaphthylene		17.000	JD 1.9	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Anthracene		12.000	JD 1	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Benzo(a)anthracene		37.000	D 0.55	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Benzo(a)pyrene		28.000	D 1.9	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Benzo(b)fluoranthene		52.000	D 2.8	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Benzo(g,h,i)perylene		14.000	JD 4.4	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Benzo(k)fluoranthene		19.000	D 1.9	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Chrysene		34.000	D 1.5	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Dibenzo(a,h)anthracene		6.500	JD 2.8	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Fluoranthene		82.000	D 1.1	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Fluorene		5.100	JD 1.3	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Indeno(1,2,3-cd)pyrene		19.000	D 3.1	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Phenanthrene		45.000	D 1.1	19	ug/Kg
P5302-07DL	E2AS0DL	Solid	Pyrene		57.000	D 1.4	19	ug/Kg
			Total Svoc :			427.60		
			Total Concentration:			427.60		
Client ID : E2906DL								
P5333-03DL	E2906DL	Solid	Total Alkanes	*	0.000	D 5.9	45	ug/Kg
			Total Tics :			0.00		
P5333-03DL	E2906DL	Solid	1-Methylnaphthalene		62.000	D 3.5	22	ug/Kg
P5333-03DL	E2906DL	Solid	2-Methylnaphthalene		93.000	D 1.3	22	ug/Kg
P5333-03DL	E2906DL	Solid	Acenaphthene		230.000	D 1.2	22	ug/Kg
P5333-03DL	E2906DL	Solid	Acenaphthylene		11.000	JD 2.2	22	ug/Kg
P5333-03DL	E2906DL	Solid	Anthracene		190.000	D 1.1	22	ug/Kg
P5333-03DL	E2906DL	Solid	Benzo(a)anthracene		790.000	ED 0.62	22	ug/Kg
P5333-03DL	E2906DL	Solid	Benzo(a)pyrene		320.000	D 2.1	22	ug/Kg
P5333-03DL	E2906DL	Solid	Benzo(b)fluoranthene		990.000	ED 3.1	22	ug/Kg
P5333-03DL	E2906DL	Solid	Benzo(g,h,i)perylene		33.000	D 5	22	ug/Kg
P5333-03DL	E2906DL	Solid	Benzo(k)fluoranthene		350.000	D 2.1	22	ug/Kg
P5333-03DL	E2906DL	Solid	Chrysene		820.000	ED 1.7	22	ug/Kg
P5333-03DL	E2906DL	Solid	Dibenzo(a,h)anthracene		110.000	D 3.1	22	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5333-03DL	E2906DL	Solid	Fluoranthene	2,500.000	ED	1.2	22	ug/Kg
P5333-03DL	E2906DL	Solid	Fluorene	150.000	D	1.5	22	ug/Kg
P5333-03DL	E2906DL	Solid	Indeno(1,2,3-cd)pyrene	220.000	D	3.5	22	ug/Kg
P5333-03DL	E2906DL	Solid	Naphthalene	120.000	D	1.3	22	ug/Kg
P5333-03DL	E2906DL	Solid	Phenanthrene	2,600.000	ED	1.2	22	ug/Kg
P5333-03DL	E2906DL	Solid	Pyrene	1,300.000	ED	1.6	22	ug/Kg
Total Svoc :				10,889.00				
Total Concentration:				10,889.00				
Client ID : E2907DL								
P5333-04DL	E2907DL	Solid	Total Alkanes	*	0.000	D 5.8	43	ug/Kg
Total Tics :				0.00				
P5333-04DL	E2907DL	Solid	1-Methylnaphthalene	12.000	JD	3.4	21	ug/Kg
P5333-04DL	E2907DL	Solid	2-Methylnaphthalene	17.000	JD	1.2	21	ug/Kg
P5333-04DL	E2907DL	Solid	Acenaphthene	40.000	D	1.2	21	ug/Kg
P5333-04DL	E2907DL	Solid	Acenaphthylene	4.500	JD	2.1	21	ug/Kg
P5333-04DL	E2907DL	Solid	Anthracene	40.000	D	1.1	21	ug/Kg
P5333-04DL	E2907DL	Solid	Benzo(a)anthracene	170.000	D	0.6	21	ug/Kg
P5333-04DL	E2907DL	Solid	Benzo(a)pyrene	150.000	D	2.1	21	ug/Kg
P5333-04DL	E2907DL	Solid	Benzo(b)fluoranthene	260.000	D	3	21	ug/Kg
P5333-04DL	E2907DL	Solid	Benzo(g,h,i)perylene	110.000	D	4.9	21	ug/Kg
P5333-04DL	E2907DL	Solid	Benzo(k)fluoranthene	89.000	D	2.1	21	ug/Kg
P5333-04DL	E2907DL	Solid	Chrysene	200.000	D	1.6	21	ug/Kg
P5333-04DL	E2907DL	Solid	Dibenzo(a,h)anthracene	28.000	D	3	21	ug/Kg
P5333-04DL	E2907DL	Solid	Fluoranthene	580.000	ED	1.2	21	ug/Kg
P5333-04DL	E2907DL	Solid	Fluorene	31.000	D	1.4	21	ug/Kg
P5333-04DL	E2907DL	Solid	Indeno(1,2,3-cd)pyrene	90.000	D	3.4	21	ug/Kg
P5333-04DL	E2907DL	Solid	Naphthalene	22.000	D	1.3	21	ug/Kg
P5333-04DL	E2907DL	Solid	Phenanthrene	530.000	ED	1.2	21	ug/Kg
P5333-04DL	E2907DL	Solid	Pyrene	410.000	ED	1.6	21	ug/Kg
Total Svoc :				2,783.50				
Total Concentration:				2,783.50				
Client ID : E2908DL								
P5333-05DL	E2908DL	Solid	Total Alkanes	*	0.000	D 5.5	42	ug/Kg
Total Tics :				0.00				
P5333-05DL	E2908DL	Solid	1-Methylnaphthalene	4.100	JD	3.2	20	ug/Kg
P5333-05DL	E2908DL	Solid	2-Methylnaphthalene	5.600	JD	1.2	20	ug/Kg
P5333-05DL	E2908DL	Solid	Acenaphthene	4.800	JD	1.1	20	ug/Kg
P5333-05DL	E2908DL	Solid	Acenaphthylene	4.300	JD	2	20	ug/Kg
P5333-05DL	E2908DL	Solid	Anthracene	11.000	JD	1.1	20	ug/Kg
P5333-05DL	E2908DL	Solid	Benzo(a)anthracene	44.000	D	0.58	20	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5333-05DL	E2908DL	Solid	Benzo(a)pyrene	43.000	D	2	20	ug/Kg
P5333-05DL	E2908DL	Solid	Benzo(b)fluoranthene	63.000	D	2.9	20	ug/Kg
P5333-05DL	E2908DL	Solid	Benzo(g,h,i)perylene	33.000	D	4.6	20	ug/Kg
P5333-05DL	E2908DL	Solid	Benzo(k)fluoranthene	24.000	D	2	20	ug/Kg
P5333-05DL	E2908DL	Solid	Chrysene	47.000	D	1.5	20	ug/Kg
P5333-05DL	E2908DL	Solid	Dibenzo(a,h)anthracene	7.200	JD	2.9	20	ug/Kg
P5333-05DL	E2908DL	Solid	Fluoranthene	99.000	D	1.1	20	ug/Kg
P5333-05DL	E2908DL	Solid	Indeno(1,2,3-cd)pyrene	24.000	D	3.2	20	ug/Kg
P5333-05DL	E2908DL	Solid	Naphthalene	6.200	JD	1.2	20	ug/Kg
P5333-05DL	E2908DL	Solid	Phenanthrene	49.000	D	1.1	20	ug/Kg
P5333-05DL	E2908DL	Solid	Pyrene	84.000	D	1.5	20	ug/Kg

Total Svoc :

553.20

Total Concentration:

553.20

Client ID : E2909DL

P5333-06DL	E2909DL	Solid	Total Alkanes	*	0.000	D 6.3	48	ug/Kg
Total Tics :					0.00			
P5333-06DL	E2909DL	Solid	1-Methylnaphthalene		5.900	JD 3.7	23	ug/Kg
P5333-06DL	E2909DL	Solid	2-Methylnaphthalene		8.300	JD 1.4	23	ug/Kg
P5333-06DL	E2909DL	Solid	Acenaphthylene		7.600	JD 2.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Anthracene		14.000	JD 1.2	23	ug/Kg
P5333-06DL	E2909DL	Solid	Benzo(a)anthracene		59.000	D 0.66	23	ug/Kg
P5333-06DL	E2909DL	Solid	Benzo(a)pyrene		59.000	D 2.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Benzo(b)fluoranthene		88.000	D 3.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Benzo(g,h,i)perylene		44.000	D 5.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Benzo(k)fluoranthene		29.000	D 2.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Chrysene		61.000	D 1.8	23	ug/Kg
P5333-06DL	E2909DL	Solid	Dibenzo(a,h)anthracene		9.500	JD 3.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Fluoranthene		120.000	D 1.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Fluorene		8.500	JD 1.6	23	ug/Kg
P5333-06DL	E2909DL	Solid	Indeno(1,2,3-cd)pyrene		32.000	D 3.7	23	ug/Kg
P5333-06DL	E2909DL	Solid	Naphthalene		11.000	JD 1.4	23	ug/Kg
P5333-06DL	E2909DL	Solid	Phenanthrene		59.000	D 1.3	23	ug/Kg
P5333-06DL	E2909DL	Solid	Pyrene		110.000	D 1.7	23	ug/Kg

Total Svoc :

725.80

Total Concentration:

725.80

Client ID : E2911DL

P5333-08DL	E2911DL	Solid	Total Alkanes	*	0.000	D 5.6	42	ug/Kg
Total Tics :					0.00			
P5333-08DL	E2911DL	Solid	2-Methylnaphthalene		4.600	JD 1.2	21	ug/Kg
P5333-08DL	E2911DL	Solid	Acenaphthene		4.400	JD 1.1	21	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5333-08DL	E2911DL	Solid	Acenaphthylene	4.800	JD	2.1	21	ug/Kg
P5333-08DL	E2911DL	Solid	Anthracene	12.000	JD	1.1	21	ug/Kg
P5333-08DL	E2911DL	Solid	Benzo(a)anthracene	36.000	D	0.58	21	ug/Kg
P5333-08DL	E2911DL	Solid	Benzo(a)pyrene	35.000	D	2	21	ug/Kg
P5333-08DL	E2911DL	Solid	Benzo(b)fluoranthene	51.000	D	2.9	21	ug/Kg
P5333-08DL	E2911DL	Solid	Benzo(g,h,i)perylene	28.000	D	4.7	21	ug/Kg
P5333-08DL	E2911DL	Solid	Benzo(k)fluoranthene	16.000	JD	2	21	ug/Kg
P5333-08DL	E2911DL	Solid	Chrysene	38.000	D	1.6	21	ug/Kg
P5333-08DL	E2911DL	Solid	Dibenzo(a,h)anthracene	6.000	JD	2.9	21	ug/Kg
P5333-08DL	E2911DL	Solid	Fluoranthene	81.000	D	1.1	21	ug/Kg
P5333-08DL	E2911DL	Solid	Fluorene	5.400	JD	1.4	21	ug/Kg
P5333-08DL	E2911DL	Solid	Indeno(1,2,3-cd)pyrene	19.000	JD	3.3	21	ug/Kg
P5333-08DL	E2911DL	Solid	Naphthalene	7.900	JD	1.3	21	ug/Kg
P5333-08DL	E2911DL	Solid	Phenanthrene	54.000	D	1.1	21	ug/Kg
P5333-08DL	E2911DL	Solid	Pyrene	71.000	D	1.5	21	ug/Kg

Total Svoc :

474.10

Total Concentration:

474.10

Client ID : E2912DL

P5333-09DL	E2912DL	Solid	Total Alkanes	*	0.000	D	5.8	44	ug/Kg
Total Tics :					0.00				
P5333-09DL	E2912DL	Solid	1-Methylnaphthalene		10.000	JD	3.4	22	ug/Kg
P5333-09DL	E2912DL	Solid	2-Methylnaphthalene		12.000	JD	1.2	22	ug/Kg
P5333-09DL	E2912DL	Solid	Acenaphthene		13.000	JD	1.2	22	ug/Kg
P5333-09DL	E2912DL	Solid	Anthracene		18.000	JD	1.1	22	ug/Kg
P5333-09DL	E2912DL	Solid	Benzo(a)anthracene		70.000	D	0.61	22	ug/Kg
P5333-09DL	E2912DL	Solid	Benzo(a)pyrene		56.000	D	2.1	22	ug/Kg
P5333-09DL	E2912DL	Solid	Benzo(b)fluoranthene		100.000	D	3.1	22	ug/Kg
P5333-09DL	E2912DL	Solid	Benzo(g,h,i)perylene		42.000	D	4.9	22	ug/Kg
P5333-09DL	E2912DL	Solid	Benzo(k)fluoranthene		32.000	D	2.1	22	ug/Kg
P5333-09DL	E2912DL	Solid	Chrysene		87.000	D	1.6	22	ug/Kg
P5333-09DL	E2912DL	Solid	Dibenzo(a,h)anthracene		11.000	JD	3.1	22	ug/Kg
P5333-09DL	E2912DL	Solid	Fluoranthene		240.000	D	1.2	22	ug/Kg
P5333-09DL	E2912DL	Solid	Fluorene		18.000	JD	1.4	22	ug/Kg
P5333-09DL	E2912DL	Solid	Indeno(1,2,3-cd)pyrene		34.000	D	3.4	22	ug/Kg
P5333-09DL	E2912DL	Solid	Naphthalene		12.000	JD	1.3	22	ug/Kg
P5333-09DL	E2912DL	Solid	Phenanthrene		230.000	D	1.2	22	ug/Kg
P5333-09DL	E2912DL	Solid	Pyrene		180.000	D	1.6	22	ug/Kg

Total Svoc :

1,165.00

Total Concentration:

1,165.00

Hit Summary Sheet
SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E2914DL								
P5333-12DL	E2914DL	Solid	Total Alkanes	*	0.000	D 5.7	43	ug/Kg
			Total Tics :			0.00		
P5333-12DL	E2914DL	Solid	1,4-Dioxane	1,400.000	ED	5.7	43	ug/Kg
P5333-12DL	E2914DL	Solid	1-Methylnaphthalene	22,000.000	ED	3.3	21	ug/Kg
P5333-12DL	E2914DL	Solid	2-Methylnaphthalene	53,000.000	ED	1.2	21	ug/Kg
P5333-12DL	E2914DL	Solid	Acenaphthene	3,000.000	ED	1.2	21	ug/Kg
P5333-12DL	E2914DL	Solid	Acenaphthylene	2,400.000	ED	2.1	21	ug/Kg
P5333-12DL	E2914DL	Solid	Benzo(a)anthracene	57,000.000	ED	0.6	21	ug/Kg
P5333-12DL	E2914DL	Solid	Benzo(a)pyrene	52,000.000	ED	2.1	21	ug/Kg
P5333-12DL	E2914DL	Solid	Benzo(b)fluoranthene	170,000.000	ED	3	21	ug/Kg
P5333-12DL	E2914DL	Solid	Benzo(g,h,i)perylene	6,900.000	ED	4.8	21	ug/Kg
P5333-12DL	E2914DL	Solid	Benzo(k)fluoranthene	9,600.000	ED	2.1	21	ug/Kg
P5333-12DL	E2914DL	Solid	Chrysene	4,100.000	ED	1.6	21	ug/Kg
P5333-12DL	E2914DL	Solid	Dibenzo(a,h)anthracene	4,100.000	ED	3	21	ug/Kg
P5333-12DL	E2914DL	Solid	Fluoranthene	440.000	ED	1.2	21	ug/Kg
P5333-12DL	E2914DL	Solid	Fluorene	280.000	D	1.4	21	ug/Kg
P5333-12DL	E2914DL	Solid	Indeno(1,2,3-cd)pyrene	37,000.000	ED	3.3	21	ug/Kg
P5333-12DL	E2914DL	Solid	Naphthalene	38,000.000	ED	1.3	21	ug/Kg
P5333-12DL	E2914DL	Solid	Pyrene	990.000	ED	1.5	21	ug/Kg
			Total Svoc :			462,210.00		
			Total Concentration:			462,210.00		
Client ID : E2915DL								
P5333-13DL	E2915DL	Solid	Total Alkanes	*	0.000	D 5.9	44	ug/Kg
			Total Tics :			0.00		
P5333-13DL	E2915DL	Solid	1-Methylnaphthalene	14.000	JD	3.4	22	ug/Kg
P5333-13DL	E2915DL	Solid	2-Methylnaphthalene	30.000	D	1.3	22	ug/Kg
P5333-13DL	E2915DL	Solid	Anthracene	7.000	JD	1.1	22	ug/Kg
P5333-13DL	E2915DL	Solid	Benzo(a)anthracene	40.000	D	0.61	22	ug/Kg
P5333-13DL	E2915DL	Solid	Benzo(a)pyrene	47.000	D	2.1	22	ug/Kg
P5333-13DL	E2915DL	Solid	Benzo(b)fluoranthene	71.000	D	3.1	22	ug/Kg
P5333-13DL	E2915DL	Solid	Benzo(g,h,i)perylene	40.000	D	5	22	ug/Kg
P5333-13DL	E2915DL	Solid	Benzo(k)fluoranthene	23.000	D	2.1	22	ug/Kg
P5333-13DL	E2915DL	Solid	Chrysene	50.000	D	1.7	22	ug/Kg
P5333-13DL	E2915DL	Solid	Dibenzo(a,h)anthracene	9.500	JD	3.1	22	ug/Kg
P5333-13DL	E2915DL	Solid	Fluoranthene	62.000	D	1.2	22	ug/Kg
P5333-13DL	E2915DL	Solid	Indeno(1,2,3-cd)pyrene	29.000	D	3.4	22	ug/Kg
P5333-13DL	E2915DL	Solid	Naphthalene	29.000	D	1.3	22	ug/Kg
P5333-13DL	E2915DL	Solid	Phenanthrene	56.000	D	1.2	22	ug/Kg
P5333-13DL	E2915DL	Solid	Pyrene	58.000	D	1.6	22	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	565.50				
			Total Concentration:	565.50				
Client ID : E2916DL								
P5333-14DL	E2916DL	Solid	Total Alkanes	*	0.000	D 5.2	39	ug/Kg
			Total Tics :	0.00				
P5333-14DL	E2916DL	Solid	2-Methylnaphthalene		6.900	JD 1.1	19	ug/Kg
P5333-14DL	E2916DL	Solid	Anthracene		6.700	JD 1	19	ug/Kg
P5333-14DL	E2916DL	Solid	Benzo(a)anthracene		47.000	D 0.55	19	ug/Kg
P5333-14DL	E2916DL	Solid	Benzo(a)pyrene		69.000	D 1.9	19	ug/Kg
P5333-14DL	E2916DL	Solid	Benzo(b)fluoranthene		91.000	D 2.8	19	ug/Kg
P5333-14DL	E2916DL	Solid	Benzo(g,h,i)perylene		52.000	D 4.4	19	ug/Kg
P5333-14DL	E2916DL	Solid	Benzo(k)fluoranthene		34.000	D 1.9	19	ug/Kg
P5333-14DL	E2916DL	Solid	Chrysene		55.000	D 1.5	19	ug/Kg
P5333-14DL	E2916DL	Solid	Dibenzo(a,h)anthracene		11.000	JD 2.8	19	ug/Kg
P5333-14DL	E2916DL	Solid	Fluoranthene		73.000	D 1.1	19	ug/Kg
P5333-14DL	E2916DL	Solid	Indeno(1,2,3-cd)pyrene		40.000	D 3.1	19	ug/Kg
P5333-14DL	E2916DL	Solid	Naphthalene		6.500	JD 1.2	19	ug/Kg
P5333-14DL	E2916DL	Solid	Phenanthrene		30.000	D 1.1	19	ug/Kg
P5333-14DL	E2916DL	Solid	Pyrene		70.000	D 1.4	19	ug/Kg
			Total Svoc :	592.10				
			Total Concentration:	592.10				
Client ID : E2917DL								
P5333-15DL	E2917DL	Solid	Total Alkanes	*	0.000	D 5.8	43	ug/Kg
			Total Tics :	0.00				
P5333-15DL	E2917DL	Solid	1-Methylnaphthalene		8.900	JD 3.4	21	ug/Kg
P5333-15DL	E2917DL	Solid	2-Methylnaphthalene		20.000	JD 1.2	21	ug/Kg
P5333-15DL	E2917DL	Solid	Acenaphthene		4.800	JD 1.2	21	ug/Kg
P5333-15DL	E2917DL	Solid	Acenaphthylene		5.200	JD 2.1	21	ug/Kg
P5333-15DL	E2917DL	Solid	Anthracene		20.000	JD 1.1	21	ug/Kg
P5333-15DL	E2917DL	Solid	Benzo(a)anthracene		91.000	D 0.6	21	ug/Kg
P5333-15DL	E2917DL	Solid	Benzo(a)pyrene		110.000	D 2.1	21	ug/Kg
P5333-15DL	E2917DL	Solid	Benzo(b)fluoranthene		150.000	D 3	21	ug/Kg
P5333-15DL	E2917DL	Solid	Benzo(g,h,i)perylene		82.000	D 4.9	21	ug/Kg
P5333-15DL	E2917DL	Solid	Benzo(k)fluoranthene		48.000	D 2.1	21	ug/Kg
P5333-15DL	E2917DL	Solid	Chrysene		98.000	D 1.6	21	ug/Kg
P5333-15DL	E2917DL	Solid	Dibenzo(a,h)anthracene		18.000	JD 3	21	ug/Kg
P5333-15DL	E2917DL	Solid	Fluoranthene		180.000	D 1.2	21	ug/Kg
P5333-15DL	E2917DL	Solid	Fluorene		5.800	JD 1.4	21	ug/Kg
P5333-15DL	E2917DL	Solid	Indeno(1,2,3-cd)pyrene		58.000	D 3.4	21	ug/Kg
P5333-15DL	E2917DL	Solid	Naphthalene		14.000	JD 1.3	21	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5333-15DL	E2917DL	Solid	Phenanthrene	93.000	D	1.2	21	ug/Kg
P5333-15DL	E2917DL	Solid	Pyrene	160.000	D	1.6	21	ug/Kg
Total Svoc :				1,166.70				
Total Concentration:				1,166.70				
Client ID : E2918DL								
P5333-16DL	E2918DL	Solid	Total Alkanes	*	0.000	D 5.8	44	ug/Kg
Total Tics :				0.00				
P5333-16DL	E2918DL	Solid	1-Methylnaphthalene	7.700	JD	3.4	22	ug/Kg
P5333-16DL	E2918DL	Solid	2-Methylnaphthalene	18.000	JD	1.2	22	ug/Kg
P5333-16DL	E2918DL	Solid	Anthracene	7.700	JD	1.1	22	ug/Kg
P5333-16DL	E2918DL	Solid	Benzo(a)anthracene	87.000	D	0.61	22	ug/Kg
P5333-16DL	E2918DL	Solid	Benzo(a)pyrene	150.000	D	2.1	22	ug/Kg
P5333-16DL	E2918DL	Solid	Benzo(b)fluoranthene	190.000	D	3.1	22	ug/Kg
P5333-16DL	E2918DL	Solid	Benzo(g,h,i)perylene	120.000	D	4.9	22	ug/Kg
P5333-16DL	E2918DL	Solid	Benzo(k)fluoranthene	70.000	D	2.1	22	ug/Kg
P5333-16DL	E2918DL	Solid	Chrysene	110.000	D	1.6	22	ug/Kg
P5333-16DL	E2918DL	Solid	Dibenzo(a,h)anthracene	26.000	D	3.1	22	ug/Kg
P5333-16DL	E2918DL	Solid	Fluoranthene	93.000	D	1.2	22	ug/Kg
P5333-16DL	E2918DL	Solid	Indeno(1,2,3-cd)pyrene	89.000	D	3.4	22	ug/Kg
P5333-16DL	E2918DL	Solid	Naphthalene	13.000	JD	1.3	22	ug/Kg
P5333-16DL	E2918DL	Solid	Phenanthrene	43.000	D	1.2	22	ug/Kg
P5333-16DL	E2918DL	Solid	Pyrene	99.000	D	1.6	22	ug/Kg
Total Svoc :				1,123.40				
Total Concentration:				1,123.40				
Client ID : E2919DL								
P5333-17DL	E2919DL	Solid	Total Alkanes	*	0.000	D 5.7	43	ug/Kg
Total Tics :				0.00				
P5333-17DL	E2919DL	Solid	1-Methylnaphthalene	6.600	JD	3.3	21	ug/Kg
P5333-17DL	E2919DL	Solid	2-Methylnaphthalene	16.000	JD	1.2	21	ug/Kg
P5333-17DL	E2919DL	Solid	Acenaphthene	4.300	JD	1.2	21	ug/Kg
P5333-17DL	E2919DL	Solid	Anthracene	6.600	JD	1.1	21	ug/Kg
P5333-17DL	E2919DL	Solid	Benzo(a)anthracene	110.000	D	0.6	21	ug/Kg
P5333-17DL	E2919DL	Solid	Benzo(a)pyrene	200.000	D	2.1	21	ug/Kg
P5333-17DL	E2919DL	Solid	Benzo(b)fluoranthene	270.000	D	3	21	ug/Kg
P5333-17DL	E2919DL	Solid	Benzo(g,h,i)perylene	150.000	D	4.8	21	ug/Kg
P5333-17DL	E2919DL	Solid	Benzo(k)fluoranthene	75.000	D	2.1	21	ug/Kg
P5333-17DL	E2919DL	Solid	Chrysene	130.000	D	1.6	21	ug/Kg
P5333-17DL	E2919DL	Solid	Dibenzo(a,h)anthracene	32.000	D	3	21	ug/Kg
P5333-17DL	E2919DL	Solid	Fluoranthene	100.000	D	1.2	21	ug/Kg
P5333-17DL	E2919DL	Solid	Indeno(1,2,3-cd)pyrene	110.000	D	3.3	21	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5333-17DL	E2919DL	Solid	Naphthalene	12.000	JD	1.3	21	ug/Kg
P5333-17DL	E2919DL	Solid	Phenanthrene	34.000	D	1.2	21	ug/Kg
P5333-17DL	E2919DL	Solid	Pyrene	120.000	D	1.5	21	ug/Kg
Total Svoc :				1,376.50				
Total Concentration:				1,376.50				
Client ID : E2920DL								
P5333-18DL	E2920DL	Solid	Total Alkanes	*	0.000	D 5.9	45	ug/Kg
Total Tics :				0.00				
P5333-18DL	E2920DL	Solid	1-Methylnaphthalene	16.000	JD	3.5	22	ug/Kg
P5333-18DL	E2920DL	Solid	2-Methylnaphthalene	53.000	D	1.3	22	ug/Kg
P5333-18DL	E2920DL	Solid	Acenaphthene	9.400	JD	1.2	22	ug/Kg
P5333-18DL	E2920DL	Solid	Anthracene	24.000	D	1.1	22	ug/Kg
P5333-18DL	E2920DL	Solid	Benzo(a)anthracene	260.000	D	0.62	22	ug/Kg
P5333-18DL	E2920DL	Solid	Benzo(a)pyrene	400.000	ED	2.1	22	ug/Kg
P5333-18DL	E2920DL	Solid	Benzo(b)fluoranthene	540.000	ED	3.1	22	ug/Kg
P5333-18DL	E2920DL	Solid	Benzo(g,h,i)perylene	300.000	D	5	22	ug/Kg
P5333-18DL	E2920DL	Solid	Benzo(k)fluoranthene	160.000	D	2.1	22	ug/Kg
P5333-18DL	E2920DL	Solid	Chrysene	290.000	D	1.7	22	ug/Kg
P5333-18DL	E2920DL	Solid	Dibenzo(a,h)anthracene	66.000	D	3.1	22	ug/Kg
P5333-18DL	E2920DL	Solid	Fluoranthene	320.000	D	1.2	22	ug/Kg
P5333-18DL	E2920DL	Solid	Fluorene	6.500	JD	1.5	22	ug/Kg
P5333-18DL	E2920DL	Solid	Indeno(1,2,3-cd)pyrene	220.000	D	3.5	22	ug/Kg
P5333-18DL	E2920DL	Solid	Naphthalene	30.000	D	1.3	22	ug/Kg
P5333-18DL	E2920DL	Solid	Phenanthrene	130.000	D	1.2	22	ug/Kg
P5333-18DL	E2920DL	Solid	Pyrene	310.000	D	1.6	22	ug/Kg
Total Svoc :				3,134.90				
Total Concentration:				3,134.90				
Client ID : E2921DL								
P5333-19DL	E2921DL	Solid	Total Alkanes	*	0.000	D 2.2	17	ug/Kg
Total Tics :				0.00				
P5333-19DL	E2921DL	Solid	2-Methylnaphthalene	2.100	JD	0.48	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Acenaphthene	4.500	JD	0.45	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Acenaphthylene	3.200	JD	0.83	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Anthracene	11.000	D	0.43	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Benzo(a)anthracene	33.000	D	0.23	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Benzo(a)pyrene	33.000	D	0.81	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Benzo(b)fluoranthene	44.000	D	1.2	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Benzo(g,h,i)perylene	25.000	D	1.9	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Benzo(k)fluoranthene	18.000	D	0.81	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Chrysene	30.000	D	0.63	8.3	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM122624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5333-19DL	E2921DL	Solid	Dibenzo(a,h)anthracene	8.700	D	1.2	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Fluoranthene	62.000	D	0.45	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Fluorene	4.700	JD	0.56	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Indeno(1,2,3-cd)pyrene	21.000	D	1.3	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Naphthalene	1.800	JD	0.5	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Phenanthrene	33.000	D	0.45	8.3	ug/Kg
P5333-19DL	E2921DL	Solid	Pyrene	52.000	D	0.61	8.3	ug/Kg
Total Svoc :				387.00				
Total Concentration:				387.00				

Client ID : E2923DL

P5333-20DL	E2923DL	Solid	Total Alkanes	*	0.000	D 5.5	41	ug/Kg
Total Tics :				0.00				
P5333-20DL	E2923DL	Solid	Anthracene	11.000	JD	1	20	ug/Kg
P5333-20DL	E2923DL	Solid	Benzo(a)anthracene	45.000	D	0.57	20	ug/Kg
P5333-20DL	E2923DL	Solid	Benzo(a)pyrene	44.000	D	2	20	ug/Kg
P5333-20DL	E2923DL	Solid	Benzo(b)fluoranthene	59.000	D	2.9	20	ug/Kg
P5333-20DL	E2923DL	Solid	Benzo(g,h,i)perylene	33.000	D	4.6	20	ug/Kg
P5333-20DL	E2923DL	Solid	Benzo(k)fluoranthene	24.000	D	2	20	ug/Kg
P5333-20DL	E2923DL	Solid	Chrysene	46.000	D	1.5	20	ug/Kg
P5333-20DL	E2923DL	Solid	Dibenzo(a,h)anthracene	7.800	JD	2.9	20	ug/Kg
P5333-20DL	E2923DL	Solid	Fluoranthene	96.000	D	1.1	20	ug/Kg
P5333-20DL	E2923DL	Solid	Indeno(1,2,3-cd)pyrene	26.000	D	3.2	20	ug/Kg
P5333-20DL	E2923DL	Solid	Phenanthrene	52.000	D	1.1	20	ug/Kg
P5333-20DL	E2923DL	Solid	Pyrene	80.000	D	1.5	20	ug/Kg
Total Svoc :				523.80				
Total Concentration:				523.80				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM121824 SAS No.: BM121824 SDG No.: BM121824
Instrument ID: _____ Calibration Date(s): 12/18/2024
Calibration Time(s): 11:59

LAB FILE ID:		RRFAL1 = BM049044.D			RRFAL2 = BM049045.D		RRFAL3 = BM049046.D	
		RRFAL4 = BM049047.D			RRFAL5 = BM049048.D		RRFAL6 = BM049049.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.585	0.657	0.500	0.488	0.467	0.539	14.8
1,4-Dioxane-d8		0.482	0.532	0.442	0.431	0.420	0.461	10.0
Naphthalene	0.982	0.990	1.138	0.960	0.936		1.001	7.9
1-Methylnaphthalene	0.651	0.634	0.734	0.616	0.613		0.650	7.6
2-Methylnaphthalene	0.619	0.621	0.724	0.606	0.602		0.634	8.0
Acenaphthylene	1.642	1.610	1.886	1.587	1.565		1.658	7.9
Acenaphthene	1.195	1.174	1.371	1.162	1.149		1.210	7.6
Fluorene	1.348	1.317	1.541	1.311	1.309		1.365	7.3
Pentachlorophenol		0.093	0.119	0.104	0.115	0.123	0.111	10.9
Phenanthrene	1.044	1.028	1.144	1.013	0.994		1.045	5.6
Anthracene	0.943	0.927	1.060	0.936	0.929		0.959	5.9
Fluoranthene	1.426	1.394	1.614	1.401	1.395		1.446	6.6
Pyrene	1.548	1.498	1.715	1.484	1.467		1.542	6.6
Benzo (a) anthracene	1.377	1.350	1.544	1.336	1.349		1.391	6.2
Chrysene	1.526	1.502	1.686	1.399	1.353		1.493	8.7
Benzo (b) fluoranthene	1.251	1.234	1.434	1.232	1.239		1.278	6.8
Benzo (k) fluoranthene	1.410	1.388	1.575	1.344	1.294		1.402	7.6
Benzo (a) pyrene	1.196	1.199	1.387	1.184	1.161		1.226	7.5
Indeno (1,2,3-cd) pyrene	1.733	1.687	1.935	1.679	1.638		1.734	6.8
Dibenzo (a,h) anthracene	1.317	1.326	1.511	1.312	1.273		1.348	6.9
Benzo (g,h,i) perylene	1.406	1.367	1.562	1.343	1.296		1.395	7.3
Fluoranthene-d10	1.129	1.103	1.260	1.094	1.089		1.135	6.3
2-Methylnaphthalene-d10	0.518	0.533	0.613	0.515	0.508		0.538	8.1

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.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4015

Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049046.D

Time Analyzed: 10:43

Instrument ID: BNA_M

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	4849	7.569	14312	10.33	8144	14.20
	UPPER LIMIT	9698	8.069	28624	10.83	16288	14.7
	LOWER LIMIT	2424.5	7.069	7156	9.83	4072	13.7
	EPA SAMPLE NO.						
01	SBLK752	4328	7.54	12502	10.30	7017	14.18
02	E2921DL	4842	7.55	13766	10.31	7603	14.19
03	E2AS0DL	4959	7.55	14068	10.31	7989	14.18
04	E2923DL	5690	7.55	16354	10.31	9684	14.18
05	E2AR0	4029	7.55	12249	10.31	7092	14.18
06	SLCS772	3600	7.55	10709	10.32	6560	14.19
07	SLCS769	3847	7.55	11085	10.31	6481	14.19
08	E2915DL	5099	7.55	15105	10.31	9200	14.18
09	E2906DL	5336	7.55	16247	10.31	10293	14.18
10	E2909DL	5494	7.54	17073	10.31	10715	14.18
11	E2920DL	5477	7.55	16913	10.30	10529	14.18
12	E2919DL	5399	7.55	17117	10.31	10775	14.18
13	E2908DL	5116	7.54	15774	10.30	9464	14.18
14	E2914DL	5 *	7.57	11 *	10.38	14 *	14.28
15	E2907DL	6040	7.54	18091	10.31	10440	14.18
16	SBLK752	3986	7.54	11977	10.30	7066	14.18
17	E2917DL	4780	7.54	14343	10.31	8915	14.18
18	E2918DL	5523	7.54	16508	10.30	9662	14.18
19	E2916DL	5384	7.54	16715	10.31	10451	14.18
20	E2912DL	5347	7.54	15859	10.30	10344	14.18
21	E2911DL	6284	7.54	19333	10.30	11733	14.18

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4015 Date Analyzed: Dec 27 2024 12:00AM

Lab File ID: BM049046.D Time Analyzed: 00:07

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	4849	7.569	14312	10.33	8144	14.20
UPPER LIMIT	9698	8.069	28624	10.83	16288	14.7
LOWER LIMIT	2424.5	7.069	7156	9.83	4072	13.7
EPA SAMPLE NO.						

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.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4128 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049218.D Time Analyzed: 10:43

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	5443	7.548	15464	10.31	8662	14.18
UPPER LIMIT	10886	8.048	30928	10.808	17324	14.681
LOWER LIMIT	2721.5	7.048	7732	9.808	4331	13.681
EPA SAMPLE NO.						
01 SBLK752	4328	7.54	12502	10.30	7017	14.18
02 E2921DL	4842	7.55	13766	10.31	7603	14.19
03 E2AS0DL	4959	7.55	14068	10.31	7989	14.18
04 E2923DL	5690	7.55	16354	10.31	9684	14.18
05 E2AR0	4029	7.55	12249	10.31	7092	14.18
06 SLCS772	3600	7.55	10709	10.32	6560	14.19
07 SLCS769	3847	7.55	11085	10.31	6481	14.19
08 E2915DL	5099	7.55	15105	10.31	9200	14.18
09 E2906DL	5336	7.55	16247	10.31	10293	14.18
10 E2909DL	5494	7.54	17073	10.31	10715	14.18
11 E2920DL	5477	7.55	16913	10.30	10529	14.18
12 E2919DL	5399	7.55	17117	10.31	10775	14.18
13 E2908DL	5116	7.54	15774	10.30	9464	14.18
14 E2914DL	5 *	7.57	11 *	10.38	14 *	14.28
15 E2907DL	6040	7.54	18091	10.31	10440	14.18

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.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4129 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049234.D Time Analyzed: 21:08

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	4102	7.548	11428	10.31	6320	14.19
UPPER LIMIT	8204	8.048	22856	10.809	12640	14.687
LOWER LIMIT	2051	7.048	5714	9.809	3160	13.687
EPA SAMPLE NO.						
01 SBLK752	3986	7.54	11977	10.30	7066	14.18
02 E2917DL	4780	7.54	14343	10.31	8915	14.18
03 E2918DL	5523	7.54	16508	10.30	9662	14.18
04 E2916DL	5384	7.54	16715	10.31	10451	14.18
05 E2912DL	5347	7.54	15859	10.30	10344	14.18
06 E2911DL	6284	7.54	19333	10.30	11733	14.18

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.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4015 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049046.D Time Analyzed: 10:43

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	17209	16.95	14990	21.146	17133	23.306
	UPPER LIMIT	34418	17.45	29980	21.646	34266	23.806
	LOWER LIMIT	8604.5	16.45	7495	20.646	8566.5	22.806
	EPA SAMPLE NO.						
01	SBLK752	16457	16.93	15389	21.14	15881	23.29
02	E2921DL	16659	16.93	15431	21.14	16695	23.29
03	E2AS0DL	16174	16.93	14985	21.14	18809	23.29
04	E2923DL	20073	16.93	17420	21.14	21623	23.29
05	E2AR0	16375	16.93	14620	21.14	14692	23.29
06	SLCS772	14367	16.94	13646	21.14	15620	23.29
07	SLCS769	13994	16.94	12788	21.14	14452	23.29
08	E2915DL	20877	16.93	19215	21.14	22416	23.29
09	E2906DL	23837	16.93	21368	21.13	24340	23.29
10	E2909DL	24332	16.93	21761	21.13	23325	23.29
11	E2920DL	23810	16.93	21008	21.13	22738	23.29
12	E2919DL	24179	16.93	21368	21.13	22445	23.29
13	E2908DL	20963	16.93	18158	21.13	19807	23.29
14	E2914DL	124390 *	17.03	26 *	21.26	25 *	23.39
15	E2907DL	22747	16.93	19044	21.14	20684	23.29
16	SBLK752	17179	16.93	14298	21.14	14248	23.29
17	E2917DL	20802	16.93	18790	21.13	20542	23.29
18	E2918DL	20751	16.93	19659	21.13	21481	23.29
19	E2916DL	23044	16.93	19057	21.14	20829	23.29
20	E2912DL	22606	16.93	18637	21.14	20296	23.29
21	E2911DL	25574	16.93	21703	21.13	23785	23.29

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4015 Date Analyzed: Dec 27 2024 12:00AM

Lab File ID: BM049046.D Time Analyzed: 00:07

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	17209	16.95	14990	21.14€	17133	23.306
UPPER LIMIT	34418	17.45	29980	21.64€	34266	23.806
LOWER LIMIT	8604.5	16.45	7495	20.64€	8566.5	22.806
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.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4128 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049218.D Time Analyzed: 10:43

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	17904	16.933	15345	21.134	17065	23.288
	UPPER LIMIT	35808	17.433	30690	21.634	34130	23.788
	LOWER LIMIT	8952	16.433	7672.5	20.634	8532.5	22.788
	EPA SAMPLE NO.						
01	SBLK752	16457	16.93	15389	21.14	15881	23.29
02	E2921DL	16659	16.93	15431	21.14	16695	23.29
03	E2AS0DL	16174	16.93	14985	21.14	18809	23.29
04	E2923DL	20073	16.93	17420	21.14	21623	23.29
05	E2AR0	16375	16.93	14620	21.14	14692	23.29
06	SLCS772	14367	16.94	13646	21.14	15620	23.29
07	SLCS769	13994	16.94	12788	21.14	14452	23.29
08	E2915DL	20877	16.93	19215	21.14	22416	23.29
09	E2906DL	23837	16.93	21368	21.13	24340	23.29
10	E2909DL	24332	16.93	21761	21.13	23325	23.29
11	E2920DL	23810	16.93	21008	21.13	22738	23.29
12	E2919DL	24179	16.93	21368	21.13	22445	23.29
13	E2908DL	20963	16.93	18158	21.13	19807	23.29
14	E2914DL	124390 *	17.03	26 *	21.26	25 *	23.39
15	E2907DL	22747	16.93	19044	21.14	20684	23.29

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4128 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049218.D Time Analyzed: 19:21

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	17904	16.933	15345	21.134	17065	23.288
UPPER LIMIT	35808	17.433	30690	21.634	34130	23.788
LOWER LIMIT	8952	16.433	7672.5	20.634	8532.5	22.788
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.: BM122624 SAS No.: BM122624 SDG NO.: BM122624

EPA Sample No.: SSTD0.4129 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BM049234.D Time Analyzed: 21:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	13647	16.938	12694	21.137	14726	23.291
UPPER LIMIT	27294	17.438	25388	21.637	29452	23.791
LOWER LIMIT	6823.5	16.438	6347	20.637	7363	22.791
EPA SAMPLE NO.						
01 SBLK752	17179	16.93	14298	21.14	14248	23.29
02 E2917DL	20802	16.93	18790	21.13	20542	23.29
03 E2918DL	20751	16.93	19659	21.13	21481	23.29
04 E2916DL	23044	16.93	19057	21.14	20829	23.29
05 E2912DL	22606	16.93	18637	21.14	20296	23.29
06 E2911DL	25574	16.93	21703	21.13	23785	23.29

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.: BM122624

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165769BS	1,4-Dioxane	2	1.6	ug/L	80				0	0		
	Naphthalene	0.4	0.35	ug/L	88				0	0		
	1-Methylnaphthalene	0.4	0.34	ug/L	85				0	0		
	2-Methylnaphthalene	0.4	0.34	ug/L	85				0	0		
	Acenaphthylene	0.4	0.33	ug/L	83				0	0		
	Acenaphthene	0.4	0.35	ug/L	88				0	0		
	Fluorene	0.4	0.34	ug/L	85				0	0		
	Pentachlorophenol	0.8	0.68	ug/L	85				0	0		
	Phenanthrene	0.4	0.34	ug/L	85				0	0		
	Anthracene	0.4	0.34	ug/L	85				0	0		
	Fluoranthene	0.4	0.35	ug/L	88				0	0		
	Pyrene	0.4	0.35	ug/L	88				0	0		
	Benzo(a)anthracene	0.4	0.34	ug/L	85				0	0		
	Chrysene	0.4	0.37	ug/L	93				0	0		
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				0	0		
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				0	0		
	Benzo(a)pyrene	0.4	0.36	ug/L	90				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88				0	0		
	Dibenzo(a,h)anthracene	0.4	0.35	ug/L	88				0	0		
	Benzo(g,h,i)perylene	0.4	0.36	ug/L	90				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM122624

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165772BS	1,4-Dioxane	2	1.6	ug/L	80				0	0		
	Naphthalene	0.4	0.35	ug/L	88				0	0		
	1-Methylnaphthalene	0.4	0.36	ug/L	90				0	0		
	2-Methylnaphthalene	0.4	0.34	ug/L	85				0	0		
	Acenaphthylene	0.4	0.33	ug/L	83				0	0		
	Acenaphthene	0.4	0.35	ug/L	88				0	0		
	Fluorene	0.4	0.35	ug/L	88				0	0		
	Pentachlorophenol	0.8	0.69	ug/L	86				0	0		
	Phenanthrene	0.4	0.34	ug/L	85				0	0		
	Anthracene	0.4	0.35	ug/L	88				0	0		
	Fluoranthene	0.4	0.34	ug/L	85				0	0		
	Pyrene	0.4	0.34	ug/L	85				0	0		
	Benzo(a)anthracene	0.4	0.34	ug/L	85				0	0		
	Chrysene	0.4	0.36	ug/L	90				0	0		
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				0	0		
	Benzo(k)fluoranthene	0.4	0.37	ug/L	93				0	0		
	Benzo(a)pyrene	0.4	0.36	ug/L	90				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.34	ug/L	85				0	0		
	Dibenzo(a,h)anthracene	0.4	0.34	ug/L	85				0	0		
	Benzo(g,h,i)perylene	0.4	0.35	ug/L	88				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK752

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM122624

SAS No.: BM122624 SDG NO.: BM122624

Lab File ID: BM049219.D

Lab Sample ID: PB165752BL

Instrument ID: BNA_M

Date Extracted: 12/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/26/2024

Level: (low/med) LOW

Time Analyzed: 10:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E2AR0	P5302-01	BM049223.D	12/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS769

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM122624

SAS No.: BM122624 SDG NO.: BM122624

Lab File ID: BM049225.D

Lab Sample ID: PB165769BS

Instrument ID: BNA_M

Date Extracted: 12/18/2024

Matrix: (soil/water) Water

Date Analyzed: 12/26/2024

Level: (low/med) LOW

Time Analyzed: 14:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165769BS	PB165769BS	BM049225.D	12/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS772

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM122624

SAS No.: BM122624 SDG NO.: BM122624

Lab File ID: BM049224.D

Lab Sample ID: PB165772BS

Instrument ID: BNA_M

Date Extracted: 12/18/2024

Matrix: (soil/water) Water

Date Analyzed: 12/26/2024

Level: (low/med) LOW

Time Analyzed: 13:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165772BS	PB165772BS	BM049224.D	12/26/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM122624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5302-01	E2AR0	BM049223.D	1,4-Dioxane-d8	8	3.81	48		15	120
			Fluoranthene-d10	0.4	0.25	62		30	130
			2-Methylnaphthalene-d10	0.4	0.23	57		20	140
P5302-07DL	E2AS0DL	BM049221.D	1,4-Dioxane-d8	8	2.80	35		15	120
			Fluoranthene-d10	0.4	0.18	44		30	130
			2-Methylnaphthalene-d10	0.4	0.16	39		20	140
PB165752BL	PB165752BL	BM049219.D	1,4-Dioxane-d8	8	5.74	72		15	120
		BM049235.D	1,4-Dioxane-d8	8	5.62	70		15	120
			Fluoranthene-d10	0.4	0.29	73		30	130
		BM049219.D	Fluoranthene-d10	0.4	0.26	66		30	130
			2-Methylnaphthalene-d10	0.4	0.29	73		20	140
		BM049235.D	2-Methylnaphthalene-d10	0.4	0.29	72		20	140

Surrogate Summary

SW-846

SDG No.: BM122624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165769BS	PB165769BS	BM049225.D	1,4-Dioxane-d8	0.8	0.67	83		15	120
			Fluoranthene-d10	0.4	0.37	93		30	130
			2-Methylnaphthalene-d10	0.4	0.36	90		30	130

Surrogate Summary

SW-846

SDG No.: BM122624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165772BS	PB165772BS	BM049224.D	1,4-Dioxane-d8	0.8	0.70	87		15	120
			Fluoranthene-d10	0.4	0.36	91		30	130
			2-Methylnaphthalene-d10	0.4	0.38	94		30	130

Surrogate Summary

SW-846

SDG No.: BM122624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5333-03DL	E2906DL	BM049227.D	1,4-Dioxane-d8	8	2.77	35		15	120
			Fluoranthene-d10	0.4	0.13	32		30	130
			2-Methylnaphthalene-d10	0.4	0.16	39		20	140
P5333-04DL	E2907DL	BM049233.D	1,4-Dioxane-d8	8	4.75	59		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.29	71		20	140
P5333-05DL	E2908DL	BM049231.D	1,4-Dioxane-d8	8	4.81	60		15	120
			Fluoranthene-d10	0.4	0.20	50		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140
P5333-06DL	E2909DL	BM049228.D	1,4-Dioxane-d8	8	3.95	49		15	120
			Fluoranthene-d10	0.4	0.21	51		30	130
			2-Methylnaphthalene-d10	0.4	0.24	59		20	140
P5333-08DL	E2911DL	BM049240.D	1,4-Dioxane-d8	8	3.31	41		15	120
			Fluoranthene-d10	0.4	0.13	31		30	130
			2-Methylnaphthalene-d10	0.4	0.18	45		20	140
P5333-09DL	E2912DL	BM049239.D	1,4-Dioxane-d8	8	3.05	38		15	120
			Fluoranthene-d10	0.4	0.13	31		30	130
			2-Methylnaphthalene-d10	0.4	0.17	43		20	140
P5333-12DL	E2914DL	BM049232.D	1,4-Dioxane-d8	8	2,836.21	35453	*	15	120
			Fluoranthene-d10	0.4	1.70	424	*	30	130
			2-Methylnaphthalene-d10	0.4	224.92	56229	*	20	140
P5333-13DL	E2915DL	BM049226.D	1,4-Dioxane-d8	8	3.55	44		15	120
			Fluoranthene-d10	0.4	0.14	35		30	130
			2-Methylnaphthalene-d10	0.4	0.22	55		20	140
P5333-14DL	E2916DL	BM049238.D	1,4-Dioxane-d8	8	3.18	40		15	120
			Fluoranthene-d10	0.4	0.17	41		30	130
			2-Methylnaphthalene-d10	0.4	0.18	45		20	140
P5333-15DL	E2917DL	BM049236.D	1,4-Dioxane-d8	8	3.27	41		15	120
			Fluoranthene-d10	0.4	0.17	43		30	130
			2-Methylnaphthalene-d10	0.4	0.18	45		20	140
P5333-16DL	E2918DL	BM049237.D	1,4-Dioxane-d8	8	3.27	41		15	120
			Fluoranthene-d10	0.4	0.11	26	*	30	130
			2-Methylnaphthalene-d10	0.4	0.15	38		20	140
P5333-17DL	E2919DL	BM049230.D	1,4-Dioxane-d8	8	3.34	42		15	120
			Fluoranthene-d10	0.4	0.14	35		30	130
			2-Methylnaphthalene-d10	0.4	0.18	44		20	140
P5333-18DL	E2920DL	BM049229.D	1,4-Dioxane-d8	8	4.76	59		15	120
			Fluoranthene-d10	0.4	0.22	55		30	130
			2-Methylnaphthalene-d10	0.4	0.29	71		20	140
P5333-19DL	E2921DL	BM049220.D	1,4-Dioxane-d8	8	3.70	46		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.22	55		20	140
P5333-20DL	E2923DL	BM049222.D	1,4-Dioxane-d8	8	3.05	38		15	120
			Fluoranthene-d10	0.4	0.16	39		30	130
			2-Methylnaphthalene-d10	0.4	0.17	43		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM122624

Lab Code: CHEM

SAS No.: BM122624 SDG NO.: BM122624

Lab File ID: BM049217.D

DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	19.2
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	21.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	31
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	83.8
443	15.0 - 24.0% of mass 442	16.8 (20.1) 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
SSTD0.4128	SSTDCCC0.4	BM049218.D	12/26/2024	10:07
SBLK752	PB165752BL	BM049219.D	12/26/2024	10:43
E2921DL	P5333-19DL	BM049220.D	12/26/2024	11:29
E2AS0DL	P5302-07DL	BM049221.D	12/26/2024	12:04
E2923DL	P5333-20DL	BM049222.D	12/26/2024	12:40
E2AR0	P5302-01	BM049223.D	12/26/2024	13:16
SLCS772	PB165772BS	BM049224.D	12/26/2024	13:52
SLCS769	PB165769BS	BM049225.D	12/26/2024	14:35
E2915DL	P5333-13DL	BM049226.D	12/26/2024	15:11
E2906DL	P5333-03DL	BM049227.D	12/26/2024	15:47
E2909DL	P5333-06DL	BM049228.D	12/26/2024	16:22
E2920DL	P5333-18DL	BM049229.D	12/26/2024	16:58
E2919DL	P5333-17DL	BM049230.D	12/26/2024	17:34
E2908DL	P5333-05DL	BM049231.D	12/26/2024	18:09
E2914DL	P5333-12DL	BM049232.D	12/26/2024	18:45
E2907DL	P5333-04DL	BM049233.D	12/26/2024	19:21
SSTD0.4129	SSTDCCC0.4	BM049234.D	12/26/2024	20:33
SBLK752	PB165752BL	BM049235.D	12/26/2024	21:08

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM122624

Lab Code: CHEM

SAS No.: BM122624 SDG NO.: BM122624

Lab File ID: BM049217.D

DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	19.2
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	21.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	31
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	83.8
443	15.0 - 24.0% of mass 442	16.8 (20.1) 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
E2917DL	P5333-15DL	BM049236.D	12/26/2024	21:44
E2918DL	P5333-16DL	BM049237.D	12/26/2024	22:20
E2916DL	P5333-14DL	BM049238.D	12/26/2024	22:56
E2912DL	P5333-09DL	BM049239.D	12/26/2024	23:31
E2911DL	P5333-08DL	BM049240.D	12/27/2024	00:07
SSTD0.4130	SSTDCCC0.4EC	BM049241.D	12/27/2024	01:18