

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG No.: BN062724
Instrument ID: BNA_N Calibration Date/Time: 6/27/2024 1:17:39
Lab File ID: BN032284.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4381 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.506	0.485	0.010	-4.1707	40.0
1,4-Dioxane-d8	0.445	0.439	0.010	-1.1664	40.0
Naphthalene	1.059	0.972	0.600	-8.1337	30.0
1-Methylnaphthalene	0.728	0.697	0.300	-4.2495	30.0
2-Methylnaphthalene	0.702	0.667	0.300	-4.9798	30.0
Acenaphthylene	1.664	1.485	0.900	-10.7364	30.0
Acenaphthene	1.291	1.173	0.500	-9.1531	30.0
Fluorene	1.539	1.373	0.700	-10.7394	30.0
Pentachlorophenol	0.091	0.080	0.010	-11.1408	50.0
Phenanthrene	1.097	0.992	0.300	-9.5713	30.0
Anthracene	0.978	0.872	0.400	-10.8444	30.0
Fluoranthene	1.523	1.395	0.400	-8.4383	30.0
Pyrene	1.592	1.466	0.500	-7.9048	30.0
Benzo (a) anthracene	1.444	1.292	0.400	-10.5004	30.0
Chrysene	1.585	1.404	0.400	-11.3791	30.0
Benzo (b) fluoranthene	1.738	1.444	0.200	-16.9218	30.0
Benzo (k) fluoranthene	1.689	1.384	0.200	-18.0333	30.0
Benzo (a) pyrene	1.209	1.079	0.200	-10.7795	30.0
Indeno (1,2,3-cd) pyrene	1.893	1.478	0.200	-21.957	30.0
Dibenzo (a,h) anthracene	1.407	1.126	0.200	-19.9234	30.0
Benzo (g,h,i) perylene	1.508	1.158	0.200	-23.2165	30.0
Fluoranthene-d10	1.204	1.094	0.400	-9.1399	30.0
2-Methylnaphthalene-d10	0.600	0.568	0.300	-5.2905	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.: BN062724 SAS No.: BN062724 SDG No.: BN062724

Instrument ID: BNA_N Calibration Date/Time: 6/28/2024 1:04:31

Lab File ID: BN032301.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4382 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.506	0.446	0.010	-11.9197	50.0
1,4-Dioxane-d8	0.445	0.401	0.010	-9.8633	50.0
Naphthalene	1.059	0.966	0.600	-8.7759	50.0
1-Methylnaphthalene	0.728	0.619	0.300	-14.9409	50.0
2-Methylnaphthalene	0.702	0.602	0.300	-14.2058	50.0
Acenaphthylene	1.664	1.580	0.900	-5.0336	50.0
Acenaphthene	1.291	1.168	0.500	-9.5466	50.0
Fluorene	1.539	1.241	0.700	-19.306	50.0
Pentachlorophenol	0.091	0.085	0.010	-6.1529	50.0
Phenanthrene	1.097	0.981	0.300	-10.5073	50.0
Anthracene	0.978	0.889	0.400	-9.1322	50.0
Fluoranthene	1.523	1.350	0.400	-11.3567	50.0
Pyrene	1.592	1.418	0.500	-10.9037	50.0
Benzo (a) anthracene	1.444	1.315	0.400	-8.8901	50.0
Chrysene	1.585	1.426	0.400	-10.0234	50.0
Benzo (b) fluoranthene	1.738	1.259	0.200	-27.5536	50.0
Benzo (k) fluoranthene	1.689	1.258	0.200	-25.4968	50.0
Benzo (a) pyrene	1.209	1.074	0.200	-11.1715	50.0
Indeno (1,2,3-cd) pyrene	1.893	1.643	0.200	-13.1995	50.0
Dibenzo (a,h) anthracene	1.407	1.267	0.200	-9.96	50.0
Benzo (g,h,i) perylene	1.508	1.303	0.200	-13.613	50.0
Fluoranthene-d10	1.204	1.074	0.400	-10.8098	50.0
2-Methylnaphthalene-d10	0.600	0.514	0.300	-14.3249	50.0

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.: BN062724 SAS No.: BN062724 SDG No.: BN062724
Instrument ID: BNA_N Calibration Date/Time: 6/27/2024 1:13:32
Lab File ID: BN032279.D Init. Calib. Date(s): _____
EPA Sample No.: SICV236 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.506	0.421	0.010	-16.8162	40.0
1,4-Dioxane-d8	0.445	0.397	0.010	-10.6148	40.0
Naphthalene	1.059	0.971	0.600	-8.2883	30.0
1-Methylnaphthalene	0.728	0.613	0.300	-15.814	30.0
2-Methylnaphthalene	0.702	0.656	0.300	-6.4345	30.0
Acenaphthylene	1.664	1.639	0.900	-1.4852	30.0
Acenaphthene	1.291	1.203	0.500	-6.8366	30.0
Fluorene	1.539	1.435	0.700	-6.7289	30.0
Pentachlorophenol	0.091	0.072	0.010	-20.9126	50.0
Phenanthrene	1.097	1.015	0.300	-7.4109	30.0
Anthracene	0.978	0.937	0.400	-4.1884	30.0
Fluoranthene	1.523	1.379	0.400	-9.434	30.0
Pyrene	1.592	1.477	0.500	-7.1921	30.0
Benzo (a) anthracene	1.444	1.252	0.400	-13.2931	30.0
Chrysene	1.585	1.346	0.400	-15.0537	30.0
Benzo (b) fluoranthene	1.738	1.448	0.200	-16.6531	30.0
Benzo (k) fluoranthene	1.689	1.351	0.200	-19.9884	30.0
Benzo (a) pyrene	1.209	1.209	0.200	-0.0429	30.0
Indeno (1,2,3-cd) pyrene	1.893	1.452	0.200	-23.3306	30.0
Dibenzo (a,h) anthracene	1.407	1.110	0.200	-21.1113	30.0
Benzo (g,h,i) perylene	1.508	1.140	0.200	-24.4336	30.0
Fluoranthene-d10	1.204	1.061	0.400	-11.8221	30.0
2-Methylnaphthalene-d10	0.600	0.530	0.300	-11.6078	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	6/20/2024 12:00:00 AM
Project:		Date Received:	6/20/2024 12:00:00 AM
Client Sample ID:	SBLK615	SDG No.:	BN062724
Lab Sample ID:	PB161615BL	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
BN032280.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	0.37	U	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.85	U	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.34	U	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.47	U	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.39	U	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.68	U	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.52	U	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.68	U	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.42	U	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.42	U	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.89	U	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.98	U	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.673		15-120		71	SPK: -8
93951-69-0	Fluoranthene-d10	0.323		30-130		81	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.28		20-140		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7526		7.62			
1146-65-2	Naphthalene-d8	24144		10.393			
15067-26-2	Acenaphthene-d10	15917		14.267			

Report of Analysis

Client:		Date Collected:	6/20/2024 12:00:00 AM
Project:		Date Received:	6/20/2024 12:00:00 AM
Client Sample ID:	SBLK615	SDG No.:	BN062724
Lab Sample ID:	PB161615BL	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
BN032280.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	34882	17.016				
1719-03-5	Chrysene-d12	25379	21.235				
1520-96-3	Perylene-d12	20628	23.447				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	A4DN6	SDG No.:	BN062724
Lab Sample ID:	P2909-16	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
BN032281.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	160	E	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.85	U	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.34	U	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	270	E	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	500	E	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	91	E	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	500	E	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	480	E	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	290	E	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	330	E	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	140	E	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	210	E	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	E	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	E	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	36		0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	E	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	E	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	E	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.493		15-120		62	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.395		30-130		99	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.311		20-140		78	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7848		7.62			
1146-65-2	Naphthalene-d8	26484		10.397			
15067-26-2	Acenaphthene-d10	17264		14.261			

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	A4DN6	SDG No.:	BN062724
Lab Sample ID:	P2909-16	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
BN032281.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	38841	17.015				
1719-03-5	Chrysene-d12	28313	21.222				
1520-96-3	Perylene-d12	25653	23.443				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	A4DN6DL	SDG No.:	BN062724
Lab Sample ID:	P2909-16DL	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
BN032282.D	10	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11	U	11	0	67	ug/Kg
91-20-3	Naphthalene	170	D	3.7	8.3	33	ug/Kg
90-12-0	1-Methylnaphthalene	8.5	U	8.5	8.3	33	ug/Kg
91-57-6	2-Methylnaphthalene	3.4	U	3.4	8.3	33	ug/Kg
208-96-8	Acenaphthylene	260	D	4.7	8.3	33	ug/Kg
83-32-9	Acenaphthene	560	ED	3.9	8.3	33	ug/Kg
86-73-7	Fluorene	94	D	6.8	8.3	33	ug/Kg
87-86-5	Pentachlorophenol	14	U	14	16.8	67	ug/Kg
85-01-8	Phenanthrene	580	ED	5.1	8.3	33	ug/Kg
120-12-7	Anthracene	510	D	5.2	8.3	33	ug/Kg
206-44-0	Fluoranthene	290	D	6.8	8.3	33	ug/Kg
129-00-0	Pyrene	350	D	5.2	8.3	33	ug/Kg
56-55-3	Benzo(a)anthracene	140	D	4.2	8.3	33	ug/Kg
218-01-9	Chrysene	230	D	4.2	8.3	33	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	D	2.1	8.3	33	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	D	3.9	8.3	33	ug/Kg
50-32-8	Benzo(a)pyrene	40	D	3.6	8.3	33	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	D	8.6	8.3	33	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	D	8.9	8.3	33	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	D	9.8	8.3	33	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.65		15-120		81	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.39		30-130		97	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.34		20-140		85	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6782		7.62			
1146-65-2	Naphthalene-d8	21725		10.398			
15067-26-2	Acenaphthene-d10	15735		14.267			

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	A4DN6DL	SDG No.:	BN062724
Lab Sample ID:	P2909-16DL	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
BN032282.D	10	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	35591	17.02				
1719-03-5	Chrysene-d12	29637	21.223				
1520-96-3	Perylene-d12	27213	23.447				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	11	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	A4DN6DL2	SDG No.:	BN062724
Lab Sample ID:	P2909-16DL2	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
BN032283.D	20	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	22	U	22	0	130	ug/Kg
91-20-3	Naphthalene	160	D	7.4	16.5	66	ug/Kg
90-12-0	1-Methylnaphthalene	17	U	17	16.5	66	ug/Kg
91-57-6	2-Methylnaphthalene	6.8	U	6.8	16.5	66	ug/Kg
208-96-8	Acenaphthylene	240	D	9.4	16.5	66	ug/Kg
83-32-9	Acenaphthene	540	D	7.8	16.5	66	ug/Kg
86-73-7	Fluorene	90	D	14	16.5	66	ug/Kg
87-86-5	Pentachlorophenol	28	U	28	33.5	130	ug/Kg
85-01-8	Phenanthrene	550	D	10	16.5	66	ug/Kg
120-12-7	Anthracene	480	D	10	16.5	66	ug/Kg
206-44-0	Fluoranthene	270	D	14	16.5	66	ug/Kg
129-00-0	Pyrene	320	D	10	16.5	66	ug/Kg
56-55-3	Benzo(a)anthracene	130	D	8.4	16.5	66	ug/Kg
218-01-9	Chrysene	230	D	8.4	16.5	66	ug/Kg
205-99-2	Benzo(b)fluoranthene	260	D	4.2	16.5	66	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	D	7.8	16.5	66	ug/Kg
50-32-8	Benzo(a)pyrene	37	JD	7.2	16.5	66	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	D	17	16.5	66	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	D	18	16.5	66	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	D	20	16.5	66	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.66		15-120		83	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.36		30-130		90	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.3		20-140		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7000		7.62			
1146-65-2	Naphthalene-d8	21678		10.398			
15067-26-2	Acenaphthene-d10	16119		14.262			

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	A4DN6DL2	SDG No.:	BN062724
Lab Sample ID:	P2909-16DL2	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
BN032283.D	20	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	36739	17.02				
1719-03-5	Chrysene-d12	31624	21.226				
1520-96-3	Perylene-d12	31511	23.447				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	22	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/20/2024 12:00:00 AM
Project:		Date Received:	6/20/2024 12:00:00 AM
Client Sample ID:	SBLK615	SDG No.:	BN062724
Lab Sample ID:	PB161615BL	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
BN032285.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	0.37	U	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.85	U	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.34	U	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.47	U	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.39	U	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.68	U	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.52	U	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.68	U	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.42	U	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.42	U	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.89	U	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.98	U	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.491		15-120		69	SPK: -8
93951-69-0	Fluoranthene-d10	0.309		30-130		77	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	7530		7.62			
1146-65-2	Naphthalene-d8	24569		10.393			
15067-26-2	Acenaphthene-d10	16321		14.262			

Report of Analysis

Client:		Date Collected:	6/20/2024 12:00:00 AM
Project:		Date Received:	6/20/2024 12:00:00 AM
Client Sample ID:	SBLK615	SDG No.:	BN062724
Lab Sample ID:	PB161615BL	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
BN032285.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	35942	17.016				
1719-03-5	Chrysene-d12	28586	21.229				
1520-96-3	Perylene-d12	23307	23.439				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B75	SDG No.:	BN062724
Lab Sample ID:	P2909-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	51
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
BN032286.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.2	U	2.2	0	14	ug/Kg
91-20-3	Naphthalene	12		0.75	1.7	6.7	ug/Kg
90-12-0	1-Methylnaphthalene	7.3		1.7	1.7	6.7	ug/Kg
91-57-6	2-Methylnaphthalene	10		0.69	1.7	6.7	ug/Kg
208-96-8	Acenaphthylene	19		0.96	1.7	6.7	ug/Kg
83-32-9	Acenaphthene	25		0.79	1.7	6.7	ug/Kg
86-73-7	Fluorene	25		1.4	1.7	6.7	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	3.4	14	ug/Kg
85-01-8	Phenanthrene	320	E	1	1.7	6.7	ug/Kg
120-12-7	Anthracene	66		1.1	1.7	6.7	ug/Kg
206-44-0	Fluoranthene	720	E	1.4	1.7	6.7	ug/Kg
129-00-0	Pyrene	480	E	1.1	1.7	6.7	ug/Kg
56-55-3	Benzo(a)anthracene	260	E	0.85	1.7	6.7	ug/Kg
218-01-9	Chrysene	280	E	0.85	1.7	6.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	E	0.43	1.7	6.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	E	0.79	1.7	6.7	ug/Kg
50-32-8	Benzo(a)pyrene	150	E	0.73	1.7	6.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99		1.7	1.7	6.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	46		1.8	1.7	6.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	21		2	1.7	6.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.231		15-120		40	SPK: -8
93951-69-0	Fluoranthene-d10	0.352		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.232		20-140		58	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9778		7.62			
1146-65-2	Naphthalene-d8	31911		10.393			
15067-26-2	Acenaphthene-d10	20397		14.262			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B75	SDG No.:	BN062724
Lab Sample ID:	P2909-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	51
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
BN032286.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	41606	17.016				
1719-03-5	Chrysene-d12	21476	21.217				
1520-96-3	Perylene-d12	22423	23.438				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	2.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B76	SDG No.:	BN062724
Lab Sample ID:	P2909-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032287.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.5	U	1.5	0	8.9	ug/Kg
91-20-3	Naphthalene	7.4		0.49	1.1	4.4	ug/Kg
90-12-0	1-Methylnaphthalene	2.7	J	1.1	1.1	4.4	ug/Kg
91-57-6	2-Methylnaphthalene	5.3		0.45	1.1	4.4	ug/Kg
208-96-8	Acenaphthylene	83	E	0.62	1.1	4.4	ug/Kg
83-32-9	Acenaphthene	7.3		0.52	1.1	4.4	ug/Kg
86-73-7	Fluorene	16		0.9	1.1	4.4	ug/Kg
87-86-5	Pentachlorophenol	1.9	U	1.9	2.2	8.9	ug/Kg
85-01-8	Phenanthrene	190	E	0.68	1.1	4.4	ug/Kg
120-12-7	Anthracene	68		0.69	1.1	4.4	ug/Kg
206-44-0	Fluoranthene	430	E	0.9	1.1	4.4	ug/Kg
129-00-0	Pyrene	360	E	0.69	1.1	4.4	ug/Kg
56-55-3	Benzo(a)anthracene	210	E	0.56	1.1	4.4	ug/Kg
218-01-9	Chrysene	230	E	0.56	1.1	4.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	E	0.28	1.1	4.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	84	E	0.52	1.1	4.4	ug/Kg
50-32-8	Benzo(a)pyrene	170	E	0.48	1.1	4.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	E	1.1	1.1	4.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	49		1.2	1.1	4.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	23		1.3	1.1	4.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.851		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.401		30-130		100	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.266		20-140		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8734		7.62			
1146-65-2	Naphthalene-d8	25336		10.393			
15067-26-2	Acenaphthene-d10	13479		14.262			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B76	SDG No.:	BN062724
Lab Sample ID:	P2909-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032287.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24889	17.016				
1719-03-5	Chrysene-d12	15267	21.217				
1520-96-3	Perylene-d12	20090	23.438				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B78	SDG No.:	BN062724
Lab Sample ID:	P2909-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032288.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4	U	1.4	0	8.5	ug/Kg
91-20-3	Naphthalene	1.9	J	0.47	1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	1.1	U	1.1	1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	1.3	J	0.43	1	4.2	ug/Kg
208-96-8	Acenaphthylene	6.4		0.59	1	4.2	ug/Kg
83-32-9	Acenaphthene	4.8		0.49	1	4.2	ug/Kg
86-73-7	Fluorene	4.5		0.86	1	4.2	ug/Kg
87-86-5	Pentachlorophenol	1.8	U	1.8	2.1	8.5	ug/Kg
85-01-8	Phenanthrene	78	E	0.64	1	4.2	ug/Kg
120-12-7	Anthracene	15		0.66	1	4.2	ug/Kg
206-44-0	Fluoranthene	160	E	0.86	1	4.2	ug/Kg
129-00-0	Pyrene	130	E	0.66	1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	70	E	0.53	1	4.2	ug/Kg
218-01-9	Chrysene	73	E	0.53	1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	79	E	0.27	1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	31		0.49	1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	78	E	0.45	1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40		1.1	1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	14		1.1	1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51		1.2	1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.588		15-120		20	SPK: -8
93951-69-0	Fluoranthene-d10	0.316		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.223		20-140		56	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8093		7.62			
1146-65-2	Naphthalene-d8	25247		10.397			
15067-26-2	Acenaphthene-d10	13853		14.266			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B78	SDG No.:	BN062724
Lab Sample ID:	P2909-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032288.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24762	17.019				
1719-03-5	Chrysene-d12	17553	21.219				
1520-96-3	Perylene-d12	19485	23.437				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.4	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B81	SDG No.:	BN062724
Lab Sample ID:	P2909-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	61.2
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
BN032289.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.8	U	2.8	0	17	ug/Kg
91-20-3	Naphthalene	5	J	0.95	2.1	8.5	ug/Kg
90-12-0	1-Methylnaphthalene	2.2	U	2.2	2.1	8.5	ug/Kg
91-57-6	2-Methylnaphthalene	3	J	0.88	2.1	8.5	ug/Kg
208-96-8	Acenaphthylene	8.2	J	1.2	2.1	8.5	ug/Kg
83-32-9	Acenaphthene	14		1	2.1	8.5	ug/Kg
86-73-7	Fluorene	15		1.8	2.1	8.5	ug/Kg
87-86-5	Pentachlorophenol	3.6	U	3.6	4.3	17	ug/Kg
85-01-8	Phenanthrene	180	E	1.3	2.1	8.5	ug/Kg
120-12-7	Anthracene	44		1.3	2.1	8.5	ug/Kg
206-44-0	Fluoranthene	340	E	1.8	2.1	8.5	ug/Kg
129-00-0	Pyrene	270	E	1.3	2.1	8.5	ug/Kg
56-55-3	Benzo(a)anthracene	150	E	1.1	2.1	8.5	ug/Kg
218-01-9	Chrysene	160	E	1.1	2.1	8.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	E	0.54	2.1	8.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	72		1	2.1	8.5	ug/Kg
50-32-8	Benzo(a)pyrene	160	E	0.93	2.1	8.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83		2.2	2.1	8.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30		2.3	2.1	8.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100		2.5	2.1	8.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.839		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.287		30-130		72	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.248		20-140		62	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7370		7.62			
1146-65-2	Naphthalene-d8	21426		10.393			
15067-26-2	Acenaphthene-d10	11671		14.267			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B81	SDG No.:	BN062724
Lab Sample ID:	P2909-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	61.2
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
BN032289.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22110	17.02				
1719-03-5	Chrysene-d12	17862	21.217				
1520-96-3	Perylene-d12	19649	23.439				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	2.8	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B43	SDG No.:	BN062724
Lab Sample ID:	P2909-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	43.3
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
BN032290.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9	U	1.9	0	12	ug/Kg
91-20-3	Naphthalene	8.7		0.65	1.5	5.8	ug/Kg
90-12-0	1-Methylnaphthalene	4	J	1.5	1.5	5.8	ug/Kg
91-57-6	2-Methylnaphthalene	5.1	J	0.6	1.5	5.8	ug/Kg
208-96-8	Acenaphthylene	15		0.83	1.5	5.8	ug/Kg
83-32-9	Acenaphthene	24		0.69	1.5	5.8	ug/Kg
86-73-7	Fluorene	22		1.2	1.5	5.8	ug/Kg
87-86-5	Pentachlorophenol	2.5	U	2.5	3	12	ug/Kg
85-01-8	Phenanthrene	310	E	0.9	1.5	5.8	ug/Kg
120-12-7	Anthracene	75		0.92	1.5	5.8	ug/Kg
206-44-0	Fluoranthene	540	E	1.2	1.5	5.8	ug/Kg
129-00-0	Pyrene	450	E	0.92	1.5	5.8	ug/Kg
56-55-3	Benzo(a)anthracene	260	E	0.74	1.5	5.8	ug/Kg
218-01-9	Chrysene	260	E	0.74	1.5	5.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	E	0.37	1.5	5.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	94		0.69	1.5	5.8	ug/Kg
50-32-8	Benzo(a)pyrene	250	E	0.63	1.5	5.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	E	1.5	1.5	5.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	40		1.6	1.5	5.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	E	1.7	1.5	5.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.097		15-120		39	SPK: -8
93951-69-0	Fluoranthene-d10	0.224		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.193		20-140		48	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7896		7.62			
1146-65-2	Naphthalene-d8	22515		10.393			
15067-26-2	Acenaphthene-d10	12193		14.262			

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B43	SDG No.:	BN062724
Lab Sample ID:	P2909-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	43.3
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
BN032290.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25063	17.016				
1719-03-5	Chrysene-d12	18453	21.217				
1520-96-3	Perylene-d12	21961	23.436				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B45	SDG No.:	BN062724
Lab Sample ID:	P2909-21	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.3
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
BN032291.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.6	U	3.6	0	22	ug/Kg
91-20-3	Naphthalene	5.8	J	1.2	2.7	11	ug/Kg
90-12-0	1-Methylnaphthalene	2.8	U	2.8	2.7	11	ug/Kg
91-57-6	2-Methylnaphthalene	3.5	J	1.1	2.7	11	ug/Kg
208-96-8	Acenaphthylene	9	J	1.5	2.7	11	ug/Kg
83-32-9	Acenaphthene	11		1.3	2.7	11	ug/Kg
86-73-7	Fluorene	10	J	2.2	2.7	11	ug/Kg
87-86-5	Pentachlorophenol	4.5	U	4.5	5.4	22	ug/Kg
85-01-8	Phenanthrene	150		1.7	2.7	11	ug/Kg
120-12-7	Anthracene	30		1.7	2.7	11	ug/Kg
206-44-0	Fluoranthene	330	E	2.2	2.7	11	ug/Kg
129-00-0	Pyrene	280	E	1.7	2.7	11	ug/Kg
56-55-3	Benzo(a)anthracene	150		1.4	2.7	11	ug/Kg
218-01-9	Chrysene	180	E	1.4	2.7	11	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	E	0.68	2.7	11	ug/Kg
207-08-9	Benzo(k)fluoranthene	67		1.3	2.7	11	ug/Kg
50-32-8	Benzo(a)pyrene	170		1.2	2.7	11	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91		2.8	2.7	11	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31		2.9	2.7	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120		3.2	2.7	11	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.457		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.253		30-130		63	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	8917		7.62			
1146-65-2	Naphthalene-d8	26178		10.393			
15067-26-2	Acenaphthene-d10	13672		14.262			

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B45	SDG No.:	BN062724
Lab Sample ID:	P2909-21	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.3
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
BN032291.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24513	17.016				
1719-03-5	Chrysene-d12	18901	21.217				
1520-96-3	Perylene-d12	20853	23.436				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	3.6	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B46	SDG No.:	BN062724
Lab Sample ID:	P2909-22	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.9
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
BN032292.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.6	U	3.6	0	22	ug/Kg
91-20-3	Naphthalene	4.1	J	1.2	2.7	11	ug/Kg
90-12-0	1-Methylnaphthalene	2.8	U	2.8	2.7	11	ug/Kg
91-57-6	2-Methylnaphthalene	1.1	U	1.1	2.7	11	ug/Kg
208-96-8	Acenaphthylene	6.5	J	1.6	2.7	11	ug/Kg
83-32-9	Acenaphthene	4.7	J	1.3	2.7	11	ug/Kg
86-73-7	Fluorene	5.1	J	2.3	2.7	11	ug/Kg
87-86-5	Pentachlorophenol	4.6	U	4.6	5.5	22	ug/Kg
85-01-8	Phenanthrene	79		1.7	2.7	11	ug/Kg
120-12-7	Anthracene	18		1.7	2.7	11	ug/Kg
206-44-0	Fluoranthene	190	E	2.3	2.7	11	ug/Kg
129-00-0	Pyrene	150		1.7	2.7	11	ug/Kg
56-55-3	Benzo(a)anthracene	77		1.4	2.7	11	ug/Kg
218-01-9	Chrysene	90		1.4	2.7	11	ug/Kg
205-99-2	Benzo(b)fluoranthene	110		0.7	2.7	11	ug/Kg
207-08-9	Benzo(k)fluoranthene	40		1.3	2.7	11	ug/Kg
50-32-8	Benzo(a)pyrene	96		1.2	2.7	11	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53		2.8	2.7	11	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	18		2.9	2.7	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67		3.2	2.7	11	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.945		15-120		37	SPK: -8
93951-69-0	Fluoranthene-d10	0.257		30-130		64	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.21		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9463		7.616			
1146-65-2	Naphthalene-d8	29464		10.393			
15067-26-2	Acenaphthene-d10	16152		14.262			

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B46	SDG No.:	BN062724
Lab Sample ID:	P2909-22	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.9
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
BN032292.D	1	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	27292	17.016				
1719-03-5	Chrysene-d12	19027	21.217				
1520-96-3	Perylene-d12	20659	23.433				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	3.6	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B75DL	SDG No.:	BN062724
Lab Sample ID:	P2909-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	51
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
BN032293.D	5	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11	U	11	0	68	ug/Kg
91-20-3	Naphthalene	14	JD	3.8	8.4	34	ug/Kg
90-12-0	1-Methylnaphthalene	8.6	U	8.6	8.4	34	ug/Kg
91-57-6	2-Methylnaphthalene	11	JD	3.5	8.4	34	ug/Kg
208-96-8	Acenaphthylene	33	JD	4.8	8.4	34	ug/Kg
83-32-9	Acenaphthene	29	JD	4	8.4	34	ug/Kg
86-73-7	Fluorene	29	JD	6.9	8.4	34	ug/Kg
87-86-5	Pentachlorophenol	14	U	14	17	68	ug/Kg
85-01-8	Phenanthrene	400	D	5.2	8.4	34	ug/Kg
120-12-7	Anthracene	93	D	5.3	8.4	34	ug/Kg
206-44-0	Fluoranthene	670	ED	6.9	8.4	34	ug/Kg
129-00-0	Pyrene	470	D	5.3	8.4	34	ug/Kg
56-55-3	Benzo(a)anthracene	290	D	4.3	8.4	34	ug/Kg
218-01-9	Chrysene	320	D	4.3	8.4	34	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	D	2.1	8.4	34	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	D	4	8.4	34	ug/Kg
50-32-8	Benzo(a)pyrene	160	D	3.7	8.4	34	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	D	8.7	8.4	34	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51	D	9.1	8.4	34	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28	JD	10	8.4	34	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.09		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.295		30-130		74	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.25		20-140		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7876		7.62			
1146-65-2	Naphthalene-d8	22354		10.393			
15067-26-2	Acenaphthene-d10	11849		14.262			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B75DL	SDG No.:	BN062724
Lab Sample ID:	P2909-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	51
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
BN032293.D	5	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22517	17.016				
1719-03-5	Chrysene-d12	18212	21.217				
1520-96-3	Perylene-d12	22268	23.433				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	11	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B76DL	SDG No.:	BN062724
Lab Sample ID:	P2909-02DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032294.D	5	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.3	U	7.3	0	44	ug/Kg
91-20-3	Naphthalene	7.1	JD	2.5	5.5	22	ug/Kg
90-12-0	1-Methylnaphthalene	5.6	U	5.6	5.5	22	ug/Kg
91-57-6	2-Methylnaphthalene	5.1	JD	2.3	5.5	22	ug/Kg
208-96-8	Acenaphthylene	75	D	3.1	5.5	22	ug/Kg
83-32-9	Acenaphthene	7.1	JD	2.6	5.5	22	ug/Kg
86-73-7	Fluorene	15	JD	4.5	5.5	22	ug/Kg
87-86-5	Pentachlorophenol	9.3	U	9.3	11.1	44	ug/Kg
85-01-8	Phenanthrene	200	D	3.4	5.5	22	ug/Kg
120-12-7	Anthracene	66	D	3.4	5.5	22	ug/Kg
206-44-0	Fluoranthene	360	ED	4.5	5.5	22	ug/Kg
129-00-0	Pyrene	310	D	3.4	5.5	22	ug/Kg
56-55-3	Benzo(a)anthracene	180	D	2.8	5.5	22	ug/Kg
218-01-9	Chrysene	190	D	2.8	5.5	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	D	1.4	5.5	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	84	D	2.6	5.5	22	ug/Kg
50-32-8	Benzo(a)pyrene	150	D	2.4	5.5	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	D	5.7	5.5	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	D	5.9	5.5	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25	D	6.5	5.5	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.635		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.315		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.25		20-140		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9920	7.62				
1146-65-2	Naphthalene-d8	29841	10.393				
15067-26-2	Acenaphthene-d10	15867	14.262				

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B76DL	SDG No.:	BN062724
Lab Sample ID:	P2909-02DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032294.D	5	6/20/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	27104	17.016				
1719-03-5	Chrysene-d12	19673	21.217				
1520-96-3	Perylene-d12	23989	23.433				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	7.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B78DL	SDG No.:	BN062724
Lab Sample ID:	P2909-03DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032295.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.9	U	6.9	0	42	ug/Kg
91-20-3	Naphthalene	2.3	U	2.3	5.2	21	ug/Kg
90-12-0	1-Methylnaphthalene	5.4	U	5.4	5.2	21	ug/Kg
91-57-6	2-Methylnaphthalene	2.1	U	2.1	5.2	21	ug/Kg
208-96-8	Acenaphthylene	7.2	JD	3	5.2	21	ug/Kg
83-32-9	Acenaphthene	4.6	JD	2.5	5.2	21	ug/Kg
86-73-7	Fluorene	4.4	JD	4.3	5.2	21	ug/Kg
87-86-5	Pentachlorophenol	8.8	U	8.8	10.6	42	ug/Kg
85-01-8	Phenanthrene	76	D	3.2	5.2	21	ug/Kg
120-12-7	Anthracene	17	JD	3.3	5.2	21	ug/Kg
206-44-0	Fluoranthene	140	D	4.3	5.2	21	ug/Kg
129-00-0	Pyrene	120	D	3.3	5.2	21	ug/Kg
56-55-3	Benzo(a)anthracene	66	D	2.7	5.2	21	ug/Kg
218-01-9	Chrysene	64	D	2.7	5.2	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	76	D	1.3	5.2	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	28	D	2.5	5.2	21	ug/Kg
50-32-8	Benzo(a)pyrene	70	D	2.3	5.2	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39	D	5.4	5.2	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	15	JD	5.6	5.2	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	D	6.2	5.2	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.565		15-120		20	SPK: -8
93951-69-0	Fluoranthene-d10	0.265		30-130		66	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.195		20-140		49	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9592		7.62			
1146-65-2	Naphthalene-d8	27807		10.393			
15067-26-2	Acenaphthene-d10	14305		14.262			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B78DL	SDG No.:	BN062724
Lab Sample ID:	P2909-03DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032295.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25561	17.016				
1719-03-5	Chrysene-d12	21027	21.214				
1520-96-3	Perylene-d12	25064	23.433				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	6.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B81DL	SDG No.:	BN062724
Lab Sample ID:	P2909-04DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	61.2
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
BN032296.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14	U	14	0	86	ug/Kg
91-20-3	Naphthalene	4.8	U	4.8	10.6	43	ug/Kg
90-12-0	1-Methylnaphthalene	11	U	11	10.6	43	ug/Kg
91-57-6	2-Methylnaphthalene	4.4	U	4.4	10.6	43	ug/Kg
208-96-8	Acenaphthylene	6.1	U	6.1	10.6	43	ug/Kg
83-32-9	Acenaphthene	14	JD	5	10.6	43	ug/Kg
86-73-7	Fluorene	13	JD	8.8	10.6	43	ug/Kg
87-86-5	Pentachlorophenol	18	U	18	21.6	86	ug/Kg
85-01-8	Phenanthrene	170	D	6.6	10.6	43	ug/Kg
120-12-7	Anthracene	45	D	6.7	10.6	43	ug/Kg
206-44-0	Fluoranthene	310	D	8.8	10.6	43	ug/Kg
129-00-0	Pyrene	260	D	6.7	10.6	43	ug/Kg
56-55-3	Benzo(a)anthracene	160	D	5.4	10.6	43	ug/Kg
218-01-9	Chrysene	130	D	5.4	10.6	43	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	D	2.7	10.6	43	ug/Kg
207-08-9	Benzo(k)fluoranthene	70	D	5	10.6	43	ug/Kg
50-32-8	Benzo(a)pyrene	140	D	4.6	10.6	43	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81	D	11	10.6	43	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30	JD	11	10.6	43	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96	D	13	10.6	43	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.44		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.255		30-130		64	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.225		20-140		56	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9113		7.62			
1146-65-2	Naphthalene-d8	26978		10.393			
15067-26-2	Acenaphthene-d10	13782		14.262			

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	A4B81DL	SDG No.:	BN062724
Lab Sample ID:	P2909-04DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	61.2
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
BN032296.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24225	17.016				
1719-03-5	Chrysene-d12	19320	21.22				
1520-96-3	Perylene-d12	23457	23.436				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	14	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B43DL	SDG No.:	BN062724
Lab Sample ID:	P2909-20DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	43.3
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
BN032297.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	9.7	U	9.7	0	59	ug/Kg
91-20-3	Naphthalene	8.2	JD	3.3	7.3	29	ug/Kg
90-12-0	1-Methylnaphthalene	7.5	U	7.5	7.3	29	ug/Kg
91-57-6	2-Methylnaphthalene	3	U	3	7.3	29	ug/Kg
208-96-8	Acenaphthylene	16	JD	4.1	7.3	29	ug/Kg
83-32-9	Acenaphthene	23	JD	3.4	7.3	29	ug/Kg
86-73-7	Fluorene	21	JD	6	7.3	29	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	14.8	59	ug/Kg
85-01-8	Phenanthrene	310	D	4.5	7.3	29	ug/Kg
120-12-7	Anthracene	82	D	4.6	7.3	29	ug/Kg
206-44-0	Fluoranthene	470	D	6	7.3	29	ug/Kg
129-00-0	Pyrene	410	D	4.6	7.3	29	ug/Kg
56-55-3	Benzo(a)anthracene	230	D	3.7	7.3	29	ug/Kg
218-01-9	Chrysene	230	D	3.7	7.3	29	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	D	1.9	7.3	29	ug/Kg
207-08-9	Benzo(k)fluoranthene	81	D	3.4	7.3	29	ug/Kg
50-32-8	Benzo(a)pyrene	220	D	3.2	7.3	29	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	D	7.6	7.3	29	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	D	7.8	7.3	29	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	D	8.6	7.3	29	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.01		15-120		38	SPK: -8
93951-69-0	Fluoranthene-d10	0.19		30-130		47	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	8104		7.62			
1146-65-2	Naphthalene-d8	23158		10.397			
15067-26-2	Acenaphthene-d10	13147		14.261			

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B43DL	SDG No.:	BN062724
Lab Sample ID:	P2909-20DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	43.3
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
BN032297.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	26499	17.015				
1719-03-5	Chrysene-d12	23698	21.216				
1520-96-3	Perylene-d12	28547	23.434				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	9.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B45DL	SDG No.:	BN062724
Lab Sample ID:	P2909-21DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.3
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
BN032298.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	18	U	18	0	110	ug/Kg
91-20-3	Naphthalene	6	U	6	13.4	54	ug/Kg
90-12-0	1-Methylnaphthalene	14	U	14	13.4	54	ug/Kg
91-57-6	2-Methylnaphthalene	5.5	U	5.5	13.4	54	ug/Kg
208-96-8	Acenaphthylene	7.6	U	7.6	13.4	54	ug/Kg
83-32-9	Acenaphthene	6.3	U	6.3	13.4	54	ug/Kg
86-73-7	Fluorene	11	U	11	13.4	54	ug/Kg
87-86-5	Pentachlorophenol	23	U	23	27.2	110	ug/Kg
85-01-8	Phenanthrene	150	D	8.3	13.4	54	ug/Kg
120-12-7	Anthracene	35	JD	8.4	13.4	54	ug/Kg
206-44-0	Fluoranthene	310	D	11	13.4	54	ug/Kg
129-00-0	Pyrene	280	D	8.4	13.4	54	ug/Kg
56-55-3	Benzo(a)anthracene	160	D	6.8	13.4	54	ug/Kg
218-01-9	Chrysene	140	D	6.8	13.4	54	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	D	3.4	13.4	54	ug/Kg
207-08-9	Benzo(k)fluoranthene	70	D	6.3	13.4	54	ug/Kg
50-32-8	Benzo(a)pyrene	150	D	5.8	13.4	54	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89	D	14	13.4	54	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	34	JD	14	13.4	54	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	D	16	13.4	54	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.46		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.235		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.21		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8906		7.616			
1146-65-2	Naphthalene-d8	25233		10.393			
15067-26-2	Acenaphthene-d10	13445		14.262			

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B45DL	SDG No.:	BN062724
Lab Sample ID:	P2909-21DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.3
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
BN032298.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25085	17.016				
1719-03-5	Chrysene-d12	20791	21.22				
1520-96-3	Perylene-d12	25235	23.438				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	18	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B46DL	SDG No.:	BN062724
Lab Sample ID:	P2909-22DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.9
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
BN032299.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	18	U	18	0	110	ug/Kg
91-20-3	Naphthalene	6.1	U	6.1	13.7	55	ug/Kg
90-12-0	1-Methylnaphthalene	14	U	14	13.7	55	ug/Kg
91-57-6	2-Methylnaphthalene	5.6	U	5.6	13.7	55	ug/Kg
208-96-8	Acenaphthylene	7.8	U	7.8	13.7	55	ug/Kg
83-32-9	Acenaphthene	6.5	U	6.5	13.7	55	ug/Kg
86-73-7	Fluorene	11	U	11	13.7	55	ug/Kg
87-86-5	Pentachlorophenol	23	U	23	27.7	110	ug/Kg
85-01-8	Phenanthrene	76	D	8.4	13.7	55	ug/Kg
120-12-7	Anthracene	19	JD	8.6	13.7	55	ug/Kg
206-44-0	Fluoranthene	160	D	11	13.7	55	ug/Kg
129-00-0	Pyrene	140	D	8.6	13.7	55	ug/Kg
56-55-3	Benzo(a)anthracene	86	D	7	13.7	55	ug/Kg
218-01-9	Chrysene	73	D	7	13.7	55	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	D	3.5	13.7	55	ug/Kg
207-08-9	Benzo(k)fluoranthene	34	JD	6.5	13.7	55	ug/Kg
50-32-8	Benzo(a)pyrene	79	D	6	13.7	55	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54	JD	14	13.7	55	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	22	JD	15	13.7	55	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65	D	16	13.7	55	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.8		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.22		30-130		55	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.185		20-140		46	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10323		7.616			
1146-65-2	Naphthalene-d8	30427		10.393			
15067-26-2	Acenaphthene-d10	15537		14.262			

Report of Analysis

Client:		Date Collected:	6/18/2024 12:00:00 AM
Project:		Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	A4B46DL	SDG No.:	BN062724
Lab Sample ID:	P2909-22DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	69.9
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
BN032299.D	5	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	27097	17.016				
1719-03-5	Chrysene-d12	20757	21.22				
1520-96-3	Perylene-d12	25788	23.438				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	18	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/20/2024 12:00:00 AM
Project:		Date Received:	6/20/2024 12:00:00 AM
Client Sample ID:	SLCS615	SDG No.:	BN062724
Lab Sample ID:	PB161615BS	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
BN032300.D	1	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	47		1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	12		0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	10		0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	11		0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	12		0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	12		0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	10		0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	21		1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	12		0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	12		0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	12		0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	12		0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	13		0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	12		0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	9.7		0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	11		0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	14		0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12		0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13		0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12		0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.625		15-120		78	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.363		30-130		91	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.319		20-140		80	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7743		7.62			
1146-65-2	Naphthalene-d8	24531		10.393			
15067-26-2	Acenaphthene-d10	13187		14.262			

Report of Analysis

Client:		Date Collected:	6/20/2024 12:00:00 AM
Project:		Date Received:	6/20/2024 12:00:00 AM
Client Sample ID:	SLCS615	SDG No.:	BN062724
Lab Sample ID:	PB161615BS	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
BN032300.D	1	6/20/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22640	17.02				
1719-03-5	Chrysene-d12	16594	21.22				
1520-96-3	Perylene-d12	19625	23.436				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6539	SDG No.:	BN062724
Lab Sample ID:	SP6539	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032302.D	1		6/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3200		31	0	200	ug/L
91-20-3	Naphthalene	740		11	50	100	ug/L
90-12-0	1-Methylnaphthalene	680		24	50	100	ug/L
91-57-6	2-Methylnaphthalene	710		11	50	100	ug/L
208-96-8	Acenaphthylene	750		14	50	100	ug/L
83-32-9	Acenaphthene	750		13	50	100	ug/L
86-73-7	Fluorene	640		22	50	100	ug/L
87-86-5	Pentachlorophenol	1500		41	100	200	ug/L
85-01-8	Phenanthrene	730		14	50	100	ug/L
120-12-7	Anthracene	750		11	50	100	ug/L
206-44-0	Fluoranthene	720		22	50	100	ug/L
129-00-0	Pyrene	730		16	50	100	ug/L
56-55-3	Benzo(a)anthracene	730		15	50	100	ug/L
218-01-9	Chrysene	680		14	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	570		4	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	590		19	50	100	ug/L
50-32-8	Benzo(a)pyrene	780		12	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	670		23	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	700		26	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	670		25	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0	U	15-120		0	SPK: -8
93951-69-0	Fluoranthene-d10	0	U	30-130		0	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0	U	30-130		0	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11750		7.616			
1146-65-2	Naphthalene-d8	37653		10.393			
15067-26-2	Acenaphthene-d10	20324		14.262			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6539			SDG No.:	BN062724		
Lab Sample ID:	SP6539			Matrix:	Water		
Analytical Method:	SFAM_SVOASIM			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032302.D	1		6/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	34895	17.016				
1719-03-5	Chrysene-d12	25322	21.217				
1520-96-3	Perylene-d12	29009	23.436				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6540			SDG No.:	BN062724		
Lab Sample ID:	SP6540			Matrix:	Water		
Analytical Method:	SFAM_SVOASIM			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032303.D	1		6/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31	U	31	0	200	ug/L
91-20-3	Naphthalene	11	U	11	50	100	ug/L
90-12-0	1-Methylnaphthalene	24	U	24	50	100	ug/L
91-57-6	2-Methylnaphthalene	11	U	11	50	100	ug/L
208-96-8	Acenaphthylene	14	U	14	50	100	ug/L
83-32-9	Acenaphthene	13	U	13	50	100	ug/L
86-73-7	Fluorene	22	U	22	50	100	ug/L
87-86-5	Pentachlorophenol	41	U	41	100	200	ug/L
85-01-8	Phenanthrene	14	U	14	50	100	ug/L
120-12-7	Anthracene	11	U	11	50	100	ug/L
206-44-0	Fluoranthene	22	U	22	50	100	ug/L
129-00-0	Pyrene	16	U	16	50	100	ug/L
56-55-3	Benzo(a)anthracene	15	U	15	50	100	ug/L
218-01-9	Chrysene	14	U	14	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	4	U	4	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	19	U	19	50	100	ug/L
50-32-8	Benzo(a)pyrene	12	U	12	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	23	U	23	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	26	U	26	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	25	U	25	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1606	*	15-120		20075	SPK: -8
93951-69-0	Fluoranthene-d10	847	*	30-130		211750	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	772	*	30-130		193000	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10136		7.62			
1146-65-2	Naphthalene-d8	31003		10.398			
15067-26-2	Acenaphthene-d10	17603		14.262			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6540			SDG No.:	BN062724		
Lab Sample ID:	SP6540			Matrix:	Water		
Analytical Method:	SFAM_SVOASIM			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032303.D	1		6/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	30050	17.024				
1719-03-5	Chrysene-d12	22760	21.223				
1520-96-3	Perylene-d12	27557	23.441				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4B75								
P2909-01	A4B75	Solid	Total Alkanes	*	0.000	2.2	14	ug/Kg
			Total Tics :			0.00		
P2909-01	A4B75	Solid	1-Methylnaphthalene		7.300	1.7	6.7	ug/Kg
P2909-01	A4B75	Solid	2-Methylnaphthalene		10.000	0.69	6.7	ug/Kg
P2909-01	A4B75	Solid	Acenaphthene		25.000	0.79	6.7	ug/Kg
P2909-01	A4B75	Solid	Acenaphthylene		19.000	0.96	6.7	ug/Kg
P2909-01	A4B75	Solid	Anthracene		66.000	1.1	6.7	ug/Kg
P2909-01	A4B75	Solid	Benzo(a)anthracene		260.000	E 0.85	6.7	ug/Kg
P2909-01	A4B75	Solid	Benzo(a)pyrene		150.000	E 0.73	6.7	ug/Kg
P2909-01	A4B75	Solid	Benzo(b)fluoranthene		290.000	E 0.43	6.7	ug/Kg
P2909-01	A4B75	Solid	Benzo(g,h,i)perylene		21.000	2	6.7	ug/Kg
P2909-01	A4B75	Solid	Benzo(k)fluoranthene		110.000	E 0.79	6.7	ug/Kg
P2909-01	A4B75	Solid	Chrysene		280.000	E 0.85	6.7	ug/Kg
P2909-01	A4B75	Solid	Dibenzo(a,h)anthracene		46.000	1.8	6.7	ug/Kg
P2909-01	A4B75	Solid	Fluoranthene		720.000	E 1.4	6.7	ug/Kg
P2909-01	A4B75	Solid	Fluorene		25.000	1.4	6.7	ug/Kg
P2909-01	A4B75	Solid	Indeno(1,2,3-cd)pyrene		99.000	1.7	6.7	ug/Kg
P2909-01	A4B75	Solid	Naphthalene		12.000	0.75	6.7	ug/Kg
P2909-01	A4B75	Solid	Phenanthrene		320.000	E 1	6.7	ug/Kg
P2909-01	A4B75	Solid	Pyrene		480.000	E 1.1	6.7	ug/Kg
			Total Svoc :			2,940.30		
			Total Concentration:			2,940.30		
Client ID : A4B75DL								
P2909-01DL	A4B75DL	Solid	Total Alkanes	*	0.000	D 11	68	ug/Kg
			Total Tics :			0.00		
P2909-01DL	A4B75DL	Solid	2-Methylnaphthalene		11.000	JD 3.5	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Acenaphthene		29.000	JD 4	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Acenaphthylene		33.000	JD 4.8	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Anthracene		93.000	D 5.3	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Benzo(a)anthracene		290.000	D 4.3	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Benzo(a)pyrene		160.000	D 3.7	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Benzo(b)fluoranthene		310.000	D 2.1	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Benzo(g,h,i)perylene		28.000	JD 10	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Benzo(k)fluoranthene		120.000	D 4	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Chrysene		320.000	D 4.3	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Dibenzo(a,h)anthracene		51.000	D 9.1	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Fluoranthene		670.000	ED 6.9	34	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-01DL	A4B75DL	Solid	Fluorene	29.000	JD	6.9	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Indeno(1,2,3-cd)pyrene	120.000	D	8.7	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Naphthalene	14.000	JD	3.8	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Phenanthrene	400.000	D	5.2	34	ug/Kg
P2909-01DL	A4B75DL	Solid	Pyrene	470.000	D	5.3	34	ug/Kg
Total Svoc :				3,148.00				
Total Concentration:				3,148.00				
Client ID :	A4B76							
P2909-02	A4B76	Solid	Total Alkanes	*	0.000	1.5	8.9	ug/Kg
Total Tics :				0.00				
P2909-02	A4B76	Solid	1-Methylnaphthalene	2.700	J	1.1	4.4	ug/Kg
P2909-02	A4B76	Solid	2-Methylnaphthalene	5.300		0.45	4.4	ug/Kg
P2909-02	A4B76	Solid	Acenaphthene	7.300		0.52	4.4	ug/Kg
P2909-02	A4B76	Solid	Acenaphthylene	83.000	E	0.62	4.4	ug/Kg
P2909-02	A4B76	Solid	Anthracene	68.000		0.69	4.4	ug/Kg
P2909-02	A4B76	Solid	Benzo(a)anthracene	210.000	E	0.56	4.4	ug/Kg
P2909-02	A4B76	Solid	Benzo(a)pyrene	170.000	E	0.48	4.4	ug/Kg
P2909-02	A4B76	Solid	Benzo(b)fluoranthene	250.000	E	0.28	4.4	ug/Kg
P2909-02	A4B76	Solid	Benzo(g,h,i)perylene	23.000		1.3	4.4	ug/Kg
P2909-02	A4B76	Solid	Benzo(k)fluoranthene	84.000	E	0.52	4.4	ug/Kg
P2909-02	A4B76	Solid	Chrysene	230.000	E	0.56	4.4	ug/Kg
P2909-02	A4B76	Solid	Dibenzo(a,h)anthracene	49.000		1.2	4.4	ug/Kg
P2909-02	A4B76	Solid	Fluoranthene	430.000	E	0.9	4.4	ug/Kg
P2909-02	A4B76	Solid	Fluorene	16.000		0.9	4.4	ug/Kg
P2909-02	A4B76	Solid	Indeno(1,2,3-cd)pyrene	110.000	E	1.1	4.4	ug/Kg
P2909-02	A4B76	Solid	Naphthalene	7.400		0.49	4.4	ug/Kg
P2909-02	A4B76	Solid	Phenanthrene	190.000	E	0.68	4.4	ug/Kg
P2909-02	A4B76	Solid	Pyrene	360.000	E	0.69	4.4	ug/Kg
Total Svoc :				2,295.70				
Total Concentration:				2,295.70				
Client ID :	A4B76DL							
P2909-02DL	A4B76DL	Solid	Total Alkanes	*	0.000	D 7.3	44	ug/Kg
Total Tics :				0.00				
P2909-02DL	A4B76DL	Solid	2-Methylnaphthalene	5.100	JD	2.3	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Acenaphthene	7.100	JD	2.6	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Acenaphthylene	75.000	D	3.1	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Anthracene	66.000	D	3.4	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Benzo(a)anthracene	180.000	D	2.8	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Benzo(a)pyrene	150.000	D	2.4	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Benzo(b)fluoranthene	230.000	D	1.4	22	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-02DL	A4B76DL	Solid	Benzo(g,h,i)perylene	25.000	D	6.5	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Benzo(k)fluoranthene	84.000	D	2.6	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Chrysene	190.000	D	2.8	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Dibenzo(a,h)anthracene	44.000	D	5.9	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Fluoranthene	360.000	ED	4.5	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Fluorene	15.000	JD	4.5	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Indeno(1,2,3-cd)pyrene	100.000	D	5.7	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Naphthalene	7.100	JD	2.5	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Phenanthrene	200.000	D	3.4	22	ug/Kg
P2909-02DL	A4B76DL	Solid	Pyrene	310.000	D	3.4	22	ug/Kg
Total Svoc :				2,048.30				
Total Concentration:				2,048.30				
Client ID :	A4B78							
P2909-03	A4B78	Solid	Total Alkanes	*	0.000	1.4	8.5	ug/Kg
Total Tics :				0.00				
P2909-03	A4B78	Solid	2-Methylnaphthalene	1.300	J	0.43	4.2	ug/Kg
P2909-03	A4B78	Solid	Acenaphthene	4.800		0.49	4.2	ug/Kg
P2909-03	A4B78	Solid	Acenaphthylene	6.400		0.59	4.2	ug/Kg
P2909-03	A4B78	Solid	Anthracene	15.000		0.66	4.2	ug/Kg
P2909-03	A4B78	Solid	Benzo(a)anthracene	70.000	E	0.53	4.2	ug/Kg
P2909-03	A4B78	Solid	Benzo(a)pyrene	78.000	E	0.45	4.2	ug/Kg
P2909-03	A4B78	Solid	Benzo(b)fluoranthene	79.000	E	0.27	4.2	ug/Kg
P2909-03	A4B78	Solid	Benzo(g,h,i)perylene	51.000		1.2	4.2	ug/Kg
P2909-03	A4B78	Solid	Benzo(k)fluoranthene	31.000		0.49	4.2	ug/Kg
P2909-03	A4B78	Solid	Chrysene	73.000	E	0.53	4.2	ug/Kg
P2909-03	A4B78	Solid	Dibenzo(a,h)anthracene	14.000		1.1	4.2	ug/Kg
P2909-03	A4B78	Solid	Fluoranthene	160.000	E	0.86	4.2	ug/Kg
P2909-03	A4B78	Solid	Fluorene	4.500		0.86	4.2	ug/Kg
P2909-03	A4B78	Solid	Indeno(1,2,3-cd)pyrene	40.000		1.1	4.2	ug/Kg
P2909-03	A4B78	Solid	Naphthalene	1.900	J	0.47	4.2	ug/Kg
P2909-03	A4B78	Solid	Phenanthrene	78.000	E	0.64	4.2	ug/Kg
P2909-03	A4B78	Solid	Pyrene	130.000	E	0.66	4.2	ug/Kg
Total Svoc :				837.90				
Total Concentration:				837.90				
Client ID :	A4B78DL							
P2909-03DL	A4B78DL	Solid	Total Alkanes	*	0.000	D 6.9	42	ug/Kg
Total Tics :				0.00				
P2909-03DL	A4B78DL	Solid	Acenaphthene	4.600	JD	2.5	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Acenaphthylene	7.200	JD	3	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Anthracene	17.000	JD	3.3	21	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-03DL	A4B78DL	Solid	Benzo(a)anthracene	66.000	D	2.7	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Benzo(a)pyrene	70.000	D	2.3	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Benzo(b)fluoranthene	76.000	D	1.3	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Benzo(g,h,i)perylene	48.000	D	6.2	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Benzo(k)fluoranthene	28.000	D	2.5	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Chrysene	64.000	D	2.7	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Dibenzo(a,h)anthracene	15.000	JD	5.6	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Fluoranthene	140.000	D	4.3	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Fluorene	4.400	JD	4.3	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Indeno(1,2,3-cd)pyrene	39.000	D	5.4	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Phenanthrene	76.000	D	3.2	21	ug/Kg
P2909-03DL	A4B78DL	Solid	Pyrene	120.000	D	3.3	21	ug/Kg
Total Svoc :				775.20				
Total Concentration:				775.20				

Client ID : A4B81

P2909-04	A4B81	Solid	Total Alkanes	*	0.000	2.8	17	ug/Kg
Total Tics :				0.00				
P2909-04	A4B81	Solid	2-Methylnaphthalene		3.000	J	0.88	ug/Kg
P2909-04	A4B81	Solid	Acenaphthene		14.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Acenaphthylene		8.200	J	1.2	ug/Kg
P2909-04	A4B81	Solid	Anthracene		44.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Benzo(a)anthracene		150.000	E	1.1	ug/Kg
P2909-04	A4B81	Solid	Benzo(a)pyrene		160.000	E	0.93	ug/Kg
P2909-04	A4B81	Solid	Benzo(b)fluoranthene		180.000	E	0.54	ug/Kg
P2909-04	A4B81	Solid	Benzo(g,h,i)perylene		100.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Benzo(k)fluoranthene		72.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Chrysene		160.000	E	1.1	ug/Kg
P2909-04	A4B81	Solid	Dibenzo(a,h)anthracene		30.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Fluoranthene		340.000	E	1.8	ug/Kg
P2909-04	A4B81	Solid	Fluorene		15.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Indeno(1,2,3-cd)pyrene		83.000		8.5	ug/Kg
P2909-04	A4B81	Solid	Naphthalene		5.000	J	0.95	ug/Kg
P2909-04	A4B81	Solid	Phenanthrene		180.000	E	1.3	ug/Kg
P2909-04	A4B81	Solid	Pyrene		270.000	E	1.3	ug/Kg
Total Svoc :				1,814.20				
Total Concentration:				1,814.20				

Client ID : A4B81DL

P2909-04DL	A4B81DL	Solid	Total Alkanes	*	0.000	D	14	ug/Kg
Total Tics :				0.00				
P2909-04DL	A4B81DL	Solid	Acenaphthene		14.000	JD	5	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-04DL	A4B81DL	Solid	Anthracene	45.000	D	6.7	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Benzo(a)anthracene	160.000	D	5.4	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Benzo(a)pyrene	140.000	D	4.6	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Benzo(b)fluoranthene	150.000	D	2.7	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Benzo(g,h,i)perylene	96.000	D	13	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Benzo(k)fluoranthene	70.000	D	5	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Chrysene	130.000	D	5.4	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Dibenzo(a,h)anthracene	30.000	JD	11	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Fluoranthene	310.000	D	8.8	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Fluorene	13.000	JD	8.8	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Indeno(1,2,3-cd)pyrene	81.000	D	11	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Phenanthrene	170.000	D	6.6	43	ug/Kg
P2909-04DL	A4B81DL	Solid	Pyrene	260.000	D	6.7	43	ug/Kg

Total Svoc : 1,669.00

Total Concentration: 1,669.00

Client ID : A4DN6

P2909-16	A4DN6	Solid	Total Alkanes	*	0.000	1.1	6.7	ug/Kg
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Total Tics : 0.00

P2909-16	A4DN6	Solid	Acenaphthene		500.000	E 0.39	3.3	ug/Kg
P2909-16	A4DN6	Solid	Acenaphthylene		270.000	E 0.47	3.3	ug/Kg
P2909-16	A4DN6	Solid	Anthracene		480.000	E 0.52	3.3	ug/Kg
P2909-16	A4DN6	Solid	Benzo(a)anthracene		140.000	E 0.42	3.3	ug/Kg
P2909-16	A4DN6	Solid	Benzo(a)pyrene		36.000	0.36	3.3	ug/Kg
P2909-16	A4DN6	Solid	Benzo(b)fluoranthene		230.000	E 0.21	3.3	ug/Kg
P2909-16	A4DN6	Solid	Benzo(g,h,i)perylene		140.000	E 0.98	3.3	ug/Kg
P2909-16	A4DN6	Solid	Benzo(k)fluoranthene		160.000	E 0.39	3.3	ug/Kg
P2909-16	A4DN6	Solid	Chrysene		210.000	E 0.42	3.3	ug/Kg
P2909-16	A4DN6	Solid	Dibenzo(a,h)anthracene		170.000	E 0.89	3.3	ug/Kg
P2909-16	A4DN6	Solid	Fluoranthene		290.000	E 0.68	3.3	ug/Kg
P2909-16	A4DN6	Solid	Fluorene		91.000	E 0.68	3.3	ug/Kg
P2909-16	A4DN6	Solid	Indeno(1,2,3-cd)pyrene		160.000	E 0.86	3.3	ug/Kg
P2909-16	A4DN6	Solid	Naphthalene		160.000	E 0.37	3.3	ug/Kg
P2909-16	A4DN6	Solid	Phenanthrene		500.000	E 0.51	3.3	ug/Kg
P2909-16	A4DN6	Solid	Pyrene		330.000	E 0.52	3.3	ug/Kg

Total Svoc : 3,867.00

Total Concentration: 3,867.00

Client ID : A4DN6DL

P2909-16DL	A4DN6DL	Solid	Total Alkanes	*	0.000	D 11	67	ug/Kg
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Total Tics : 0.00

P2909-16DL	A4DN6DL	Solid	Acenaphthene		560.000	ED 3.9	33	ug/Kg
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Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-16DL	A4DN6DL	Solid	Acenaphthylene	260.000	D	4.7	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Anthracene	510.000	D	5.2	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Benzo(a)anthracene	140.000	D	4.2	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Benzo(a)pyrene	40.000	D	3.6	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Benzo(b)fluoranthene	270.000	D	2.1	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Benzo(g,h,i)perylene	160.000	D	9.8	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Benzo(k)fluoranthene	190.000	D	3.9	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Chrysene	230.000	D	4.2	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Dibenzo(a,h)anthracene	190.000	D	8.9	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Fluoranthene	290.000	D	6.8	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Fluorene	94.000	D	6.8	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Indeno(1,2,3-cd)pyrene	180.000	D	8.6	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Naphthalene	170.000	D	3.7	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Phenanthrene	580.000	ED	5.1	33	ug/Kg
P2909-16DL	A4DN6DL	Solid	Pyrene	350.000	D	5.2	33	ug/Kg

Total Svoc :

4,214.00

Total Concentration:

4,214.00

Client ID : A4DN6DL2

P2909-16DL2	A4DN6DL2	Solid	Total Alkanes	*	0.000	D	22	130	ug/Kg
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Total Tics :

0.00

P2909-16DL2	A4DN6DL2	Solid	Acenaphthene		540.000	D	7.8	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Acenaphthylene		240.000	D	9.4	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Anthracene		480.000	D	10	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Benzo(a)anthracene		130.000	D	8.4	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Benzo(a)pyrene		37.000	JD	7.2	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Benzo(b)fluoranthene		260.000	D	4.2	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Benzo(g,h,i)perylene		160.000	D	20	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Benzo(k)fluoranthene		190.000	D	7.8	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Chrysene		230.000	D	8.4	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Dibenzo(a,h)anthracene		190.000	D	18	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Fluoranthene		270.000	D	14	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Fluorene		90.000	D	14	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Indeno(1,2,3-cd)pyrene		180.000	D	17	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Naphthalene		160.000	D	7.4	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Phenanthrene		550.000	D	10	66	ug/Kg
P2909-16DL2	A4DN6DL2	Solid	Pyrene		320.000	D	10	66	ug/Kg

Total Svoc :

4,027.00

Total Concentration:

4,027.00

Client ID : A4B43

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-20	A4B43	Solid	Total Alkanes	*	0.000	1.9	12	ug/Kg
Total Tics :				0.00				
P2909-20	A4B43	Solid	1-Methylnaphthalene	4.000	J	1.5	5.8	ug/Kg
P2909-20	A4B43	Solid	2-Methylnaphthalene	5.100	J	0.6	5.8	ug/Kg
P2909-20	A4B43	Solid	Acenaphthene	24.000		0.69	5.8	ug/Kg
P2909-20	A4B43	Solid	Acenaphthylene	15.000		0.83	5.8	ug/Kg
P2909-20	A4B43	Solid	Anthracene	75.000		0.92	5.8	ug/Kg
P2909-20	A4B43	Solid	Benzo(a)anthracene	260.000	E	0.74	5.8	ug/Kg
P2909-20	A4B43	Solid	Benzo(a)pyrene	250.000	E	0.63	5.8	ug/Kg
P2909-20	A4B43	Solid	Benzo(b)fluoranthene	250.000	E	0.37	5.8	ug/Kg
P2909-20	A4B43	Solid	Benzo(g,h,i)perylene	150.000	E	1.7	5.8	ug/Kg
P2909-20	A4B43	Solid	Benzo(k)fluoranthene	94.000		0.69	5.8	ug/Kg
P2909-20	A4B43	Solid	Chrysene	260.000	E	0.74	5.8	ug/Kg
P2909-20	A4B43	Solid	Dibenzo(a,h)anthracene	40.000		1.6	5.8	ug/Kg
P2909-20	A4B43	Solid	Fluoranthene	540.000	E	1.2	5.8	ug/Kg
P2909-20	A4B43	Solid	Fluorene	22.000		1.2	5.8	ug/Kg
P2909-20	A4B43	Solid	Indeno(1,2,3-cd)pyrene	120.000	E	1.5	5.8	ug/Kg
P2909-20	A4B43	Solid	Naphthalene	8.700		0.65	5.8	ug/Kg
P2909-20	A4B43	Solid	Phenanthrene	310.000	E	0.9	5.8	ug/Kg
P2909-20	A4B43	Solid	Pyrene	450.000	E	0.92	5.8	ug/Kg
Total Svoc :				2,877.80				
Total Concentration:				2,877.80				
Client ID : A4B43DL								
P2909-20DL	A4B43DL	Solid	Total Alkanes	*	0.000	D 9.7	59	ug/Kg
Total Tics :				0.00				
P2909-20DL	A4B43DL	Solid	Acenaphthene	23.000	JD	3.4	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Acenaphthylene	16.000	JD	4.1	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Anthracene	82.000	D	4.6	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Benzo(a)anthracene	230.000	D	3.7	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Benzo(a)pyrene	220.000	D	3.2	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Benzo(b)fluoranthene	230.000	D	1.9	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Benzo(g,h,i)perylene	130.000	D	8.6	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Benzo(k)fluoranthene	81.000	D	3.4	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Chrysene	230.000	D	3.7	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Dibenzo(a,h)anthracene	37.000	D	7.8	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Fluoranthene	470.000	D	6	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Fluorene	21.000	JD	6	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Indeno(1,2,3-cd)pyrene	110.000	D	7.6	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Naphthalene	8.200	JD	3.3	29	ug/Kg
P2909-20DL	A4B43DL	Solid	Phenanthrene	310.000	D	4.5	29	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2909-20DL	A4B43DL	Solid	Pyrene	410.000	D	4.6	29	ug/Kg
Total Svoc :				2,608.20				
Total Concentration:				2,608.20				
Client ID : A4B45								
P2909-21	A4B45	Solid	Total Alkanes	*	0.000	3.6	22	ug/Kg
Total Tics :				0.00				
P2909-21	A4B45	Solid	2-Methylnaphthalene	3.500	J	1.1	11	ug/Kg
P2909-21	A4B45	Solid	Acenaphthene	11.000		1.3	11	ug/Kg
P2909-21	A4B45	Solid	Acenaphthylene	9.000	J	1.5	11	ug/Kg
P2909-21	A4B45	Solid	Anthracene	30.000		1.7	11	ug/Kg
P2909-21	A4B45	Solid	Benzo(a)anthracene	150.000		1.4	11	ug/Kg
P2909-21	A4B45	Solid	Benzo(a)pyrene	170.000		1.2	11	ug/Kg
P2909-21	A4B45	Solid	Benzo(b)fluoranthene	190.000	E	0.68	11	ug/Kg
P2909-21	A4B45	Solid	Benzo(g,h,i)perylene	120.000		3.2	11	ug/Kg
P2909-21	A4B45	Solid	Benzo(k)fluoranthene	67.000		1.3	11	ug/Kg
P2909-21	A4B45	Solid	Chrysene	180.000	E	1.4	11	ug/Kg
P2909-21	A4B45	Solid	Dibenzo(a,h)anthracene	31.000		2.9	11	ug/Kg
P2909-21	A4B45	Solid	Fluoranthene	330.000	E	2.2	11	ug/Kg
P2909-21	A4B45	Solid	Fluorene	10.000	J	2.2	11	ug/Kg
P2909-21	A4B45	Solid	Indeno(1,2,3-cd)pyrene	91.000		2.8	11	ug/Kg
P2909-21	A4B45	Solid	Naphthalene	5.800	J	1.2	11	ug/Kg
P2909-21	A4B45	Solid	Phenanthrene	150.000		1.7	11	ug/Kg
P2909-21	A4B45	Solid	Pyrene	280.000	E	1.7	11	ug/Kg
Total Svoc :				1,828.30				
Total Concentration:				1,828.30				
Client ID : A4B45DL								
P2909-21DL	A4B45DL	Solid	Total Alkanes	*	0.000	D 18	110	ug/Kg
Total Tics :				0.00				
P2909-21DL	A4B45DL	Solid	Anthracene	35.000	JD	8.4	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Benzo(a)anthracene	160.000	D	6.8	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Benzo(a)pyrene	150.000	D	5.8	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Benzo(b)fluoranthene	170.000	D	3.4	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Benzo(g,h,i)perylene	110.000	D	16	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Benzo(k)fluoranthene	70.000	D	6.3	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Chrysene	140.000	D	6.8	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Dibenzo(a,h)anthracene	34.000	JD	14	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Fluoranthene	310.000	D	11	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Indeno(1,2,3-cd)pyrene	89.000	D	14	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Phenanthrene	150.000	D	8.3	54	ug/Kg
P2909-21DL	A4B45DL	Solid	Pyrene	280.000	D	8.4	54	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	1,698.00				
			Total Concentration:	1,698.00				
Client ID :	A4B46							
P2909-22	A4B46	Solid	Total Alkanes	*	0.000	3.6	22	ug/Kg
			Total Tics :	0.00				
P2909-22	A4B46	Solid	Acenaphthene		4.700	J 1.3	11	ug/Kg
P2909-22	A4B46	Solid	Acenaphthylene		6.500	J 1.6	11	ug/Kg
P2909-22	A4B46	Solid	Anthracene		18.000	1.7	11	ug/Kg
P2909-22	A4B46	Solid	Benzo(a)anthracene		77.000	1.4	11	ug/Kg
P2909-22	A4B46	Solid	Benzo(a)pyrene		96.000	1.2	11	ug/Kg
P2909-22	A4B46	Solid	Benzo(b)fluoranthene		110.000	0.7	11	ug/Kg
P2909-22	A4B46	Solid	Benzo(g,h,i)perylene		67.000	3.2	11	ug/Kg
P2909-22	A4B46	Solid	Benzo(k)fluoranthene		40.000	1.3	11	ug/Kg
P2909-22	A4B46	Solid	Chrysene		90.000	1.4	11	ug/Kg
P2909-22	A4B46	Solid	Dibenzo(a,h)anthracene		18.000	2.9	11	ug/Kg
P2909-22	A4B46	Solid	Fluoranthene		190.000	E 2.3	11	ug/Kg
P2909-22	A4B46	Solid	Fluorene		5.100	J 2.3	11	ug/Kg
P2909-22	A4B46	Solid	Indeno(1,2,3-cd)pyrene		53.000	2.8	11	ug/Kg
P2909-22	A4B46	Solid	Naphthalene		4.100	J 1.2	11	ug/Kg
P2909-22	A4B46	Solid	Phenanthrene		79.000	1.7	11	ug/Kg
P2909-22	A4B46	Solid	Pyrene		150.000	1.7	11	ug/Kg
			Total Svoc :	1,008.40				
			Total Concentration:	1,008.40				
Client ID :	A4B46DL							
P2909-22DL	A4B46DL	Solid	Total Alkanes	*	0.000	D 18	110	ug/Kg
			Total Tics :	0.00				
P2909-22DL	A4B46DL	Solid	Anthracene		19.000	JD 8.6	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Benzo(a)anthracene		86.000	D 7	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Benzo(a)pyrene		79.000	D 6	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Benzo(b)fluoranthene		100.000	D 3.5	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Benzo(g,h,i)perylene		65.000	D 16	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Benzo(k)fluoranthene		34.000	JD 6.5	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Chrysene		73.000	D 7	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Dibenzo(a,h)anthracene		22.000	JD 15	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Fluoranthene		160.000	D 11	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Indeno(1,2,3-cd)pyrene		54.000	JD 14	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Phenanthrene		76.000	D 8.4	55	ug/Kg
P2909-22DL	A4B46DL	Solid	Pyrene		140.000	D 8.6	55	ug/Kg
			Total Svoc :	908.00				

Hit Summary Sheet SW-846

SDG No.: BN062724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				908.00				
Client ID :	SP6539							
SP6539	SP6539	Water	Total Alkanes	*	0.000	31	200	ug/L
Total Tics :				0.00				
SP6539	SP6539	Water	1,4-Dioxane	3,200.000		31	200	ug/L
SP6539	SP6539	Water	1-Methylnaphthalene	680.000		24	100	ug/L
SP6539	SP6539	Water	2-Methylnaphthalene	710.000		11	100	ug/L
SP6539	SP6539	Water	Acenaphthene	750.000		13	100	ug/L
SP6539	SP6539	Water	Acenaphthylene	750.000		14	100	ug/L
SP6539	SP6539	Water	Anthracene	750.000		11	100	ug/L
SP6539	SP6539	Water	Benzo(a)anthracene	730.000		15	100	ug/L
SP6539	SP6539	Water	Benzo(a)pyrene	780.000		12	100	ug/L
SP6539	SP6539	Water	Benzo(b)fluoranthene	570.000		4	100	ug/L
SP6539	SP6539	Water	Benzo(g,h,i)perylene	670.000		25	100	ug/L
SP6539	SP6539	Water	Benzo(k)fluoranthene	590.000		19	100	ug/L
SP6539	SP6539	Water	Chrysene	680.000		14	100	ug/L
SP6539	SP6539	Water	Dibenzo(a,h)anthracene	700.000		26	100	ug/L
SP6539	SP6539	Water	Fluoranthene	720.000		22	100	ug/L
SP6539	SP6539	Water	Fluorene	640.000		22	100	ug/L
SP6539	SP6539	Water	Indeno(1,2,3-cd)pyrene	670.000		23	100	ug/L
SP6539	SP6539	Water	Naphthalene	740.000		11	100	ug/L
SP6539	SP6539	Water	Pentachlorophenol	1,500.000		41	200	ug/L
SP6539	SP6539	Water	Phenanthrene	730.000		14	100	ug/L
SP6539	SP6539	Water	Pyrene	730.000		16	100	ug/L
Total Svoc :				17,290.00				
Total Concentration:				17,290.00				
Client ID :	SP6540							
SP6540	SP6540	Water	Total Alkanes	*	0.000	31	200	ug/L
Total Tics :				0.00				
Total Concentration:				0.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG No.: BN062724
Instrument ID: _____ Calibration Date(s): 6/27/2024 : _____
Calibration Time(s): 09:53 _____

LAB FILE ID:		RRFAL1 = BN032273.D			RRFAL2 = BN032274.D		RRFAL3 = BN032275.D	
		RRFAL4 = BN032276.D			RRFAL5 = BN032277.D		RRFAL6 = BN032278.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.567	0.488	0.513	0.482	0.480	0.506	7.3
1,4-Dioxane-d8		0.460	0.430	0.461	0.437	0.434	0.445	3.4
Naphthalene	1.110	1.057	0.980	1.098	1.048		1.059	4.8
1-Methylnaphthalene	0.740	0.709	0.673	0.766	0.750		0.728	5.1
2-Methylnaphthalene	0.704	0.690	0.647	0.743	0.723		0.702	5.2
Acenaphthylene	1.686	1.655	1.502	1.755	1.721		1.664	5.9
Acenaphthene	1.354	1.301	1.172	1.348	1.280		1.291	5.7
Fluorene	1.568	1.543	1.397	1.625	1.559		1.539	5.5
Pentachlorophenol		0.081	0.075	0.091	0.094	0.111	0.091	15.1
Phenanthrene	1.106	1.089	0.989	1.165	1.134		1.097	6.1
Anthracene	0.974	0.963	0.869	1.044	1.041		0.978	7.3
Fluoranthene	1.548	1.540	1.407	1.580	1.541		1.523	4.4
Pyrene	1.650	1.625	1.466	1.637	1.581		1.592	4.7
Benzo(a)anthracene	1.541	1.440	1.270	1.502	1.467		1.444	7.2
Chrysene	1.813	1.622	1.403	1.595	1.491		1.585	9.7
Benzo(b)fluoranthene	2.344	1.791	1.436	1.621	1.497		1.738	21.0
Benzo(k)fluoranthene	2.172	1.781	1.423	1.559	1.507		1.689	17.8
Benzo(a)pyrene	1.336	1.217	1.065	1.240	1.188		1.209	8.1
Indeno(1,2,3-cd)pyrene	2.589	2.035	1.589	1.699	1.554		1.893	22.9
Dibenzo(a,h)anthracene	1.871	1.506	1.195	1.278	1.183		1.407	20.6
Benzo(g,h,i)perylene	2.074	1.625	1.263	1.356	1.222		1.508	23.4
Fluoranthene-d10	1.229	1.231	1.109	1.245	1.204		1.204	4.6
2-Methylnaphthalene-d10	0.607	0.594	0.552	0.633	0.613		0.600	5.0

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.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4232 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BN032275.D Time Analyzed: 13:32

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	7662	7.62	23860	10.40	15976	14.27
	UPPER LIMIT	15324	8.12	47720	10.898	31952	14.767
	LOWER LIMIT	3831	7.12	11930	9.898	7988	13.767
	EPA SAMPLE NO.						
01	SICV236	10772	7.62	34456	10.40	22507	14.27
02	SBLK615	7526	7.62	24144	10.39	15917	14.27
03	A4DN6	7848	7.62	26484	10.40	17264	14.26
04	A4DN6DL	6782	7.62	21725	10.40	15735	14.27
05	A4DN6DL2	7000	7.62	21678	10.40	16119	14.26
06	SBLK615	7530	7.62	24569	10.39	16321	14.26
07	A4B75	9778	7.62	31911	10.39	20397	14.26
08	A4B76	8734	7.62	25336	10.39	13479	14.26
09	A4B78	8093	7.62	25247	10.40	13853	14.27
10	A4B81	7370	7.62	21426	10.39	11671	14.27
11	A4B43	7896	7.62	22515	10.39	12193	14.26
12	A4B45	8917	7.62	26178	10.39	13672	14.26
13	A4B46	9463	7.62	29464	10.39	16152	14.26
14	A4B75DL	7876	7.62	22354	10.39	11849	14.26
15	A4B76DL	9920	7.62	29841	10.39	15867	14.26
16	A4B78DL	9592	7.62	27807	10.39	14305	14.26
17	A4B81DL	9113	7.62	26978	10.39	13782	14.26
18	A4B43DL	8104	7.62	23158	10.40	13147	14.26
19	A4B45DL	8906	7.62	25233	10.39	13445	14.26
20	A4B46DL	10323	7.62	30427	10.39	15537	14.26
21	SLCS615	7743	7.62	24531	10.39	13187	14.26
22	SP6539	11750	7.62	37653	10.39	20324	14.26
23	SP6540	10136	7.62	31003	10.40	17603	14.26



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4232 Date Analyzed: Jun 28 2024 12:00AM

Lab File ID: BN032275.D Time Analyzed: 05:43

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	7662	7.62	23860	10.40	15976	14.27
UPPER LIMIT	15324	8.12	47720	10.898	31952	14.767
LOWER LIMIT	3831	7.12	11930	9.898	7988	13.767
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.



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4381 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BN032284.D Time Analyzed: 18:16

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	7066	7.62	22920	10.40	15940	14.26
	UPPER LIMIT	14132	8.12	45840	10.898	31880	14.762
	LOWER LIMIT	3533	7.12	11460	9.898	7970	13.762
	EPA SAMPLE NO.						
01	SBLK615	7530	7.62	24569	10.39	16321	14.26
02	A4B75	9778	7.62	31911	10.39	20397	14.26
03	A4B76	8734	7.62	25336	10.39	13479	14.26
04	A4B78	8093	7.62	25247	10.40	13853	14.27
05	A4B81	7370	7.62	21426	10.39	11671	14.27
06	A4B43	7896	7.62	22515	10.39	12193	14.26
07	A4B45	8917	7.62	26178	10.39	13672	14.26
08	A4B46	9463	7.62	29464	10.39	16152	14.26
09	A4B75DL	7876	7.62	22354	10.39	11849	14.26
10	A4B76DL	9920	7.62	29841	10.39	15867	14.26
11	A4B78DL	9592	7.62	27807	10.39	14305	14.26
12	A4B81DL	9113	7.62	26978	10.39	13782	14.26
13	A4B43DL	8104	7.62	23158	10.40	13147	14.26
14	A4B45DL	8906	7.62	25233	10.39	13445	14.26
15	A4B46DL	10323	7.62	30427	10.39	15537	14.26
16	SLCS615	7743	7.62	24531	10.39	13187	14.26



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4381 Date Analyzed: Jun 28 2024 12:00AM

Lab File ID: BN032284.D Time Analyzed: 03:19

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	7066	7.62	22920	10.40	15940	14.26
UPPER LIMIT	14132	8.12	45840	10.898	31880	14.762
LOWER LIMIT	3533	7.12	11460	9.898	7970	13.762
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.



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4382 Date Analyzed: Jun 28 2024 12:00AM

Lab File ID: BN032301.D Time Analyzed: 05:07

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	9729	7.62	29538	10.39	15517	14.26
UPPER LIMIT	19458	8.12	59076	10.893	31034	14.762
LOWER LIMIT	4864.5	7.12	14769	9.893	7758.5	13.762
EPA SAMPLE NO.						
01 SP6539	11750	7.62	37653	10.39	20324	14.26
02 SP6540	10136	7.62	31003	10.40	17603	14.26

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.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4232 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BN032275.D Time Analyzed: 13:32

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	37608	17.025	31365	21.226	31845	23.453
	UPPER LIMIT	75216	17.525	62730	21.726	63690	23.953
	LOWER LIMIT	18804	16.525	15682.5	20.726	15922.5	22.953
	EPA SAMPLE NO.						
01	SICV236	53353	17.02	46077	21.23	45690	23.45
02	SBLK615	34882	17.02	25379	21.24	20628	23.45
03	A4DN6	38841	17.02	28313	21.22	25653	23.44
04	A4DN6DL	35591	17.02	29637	21.22	27213	23.45
05	A4DN6DL2	36739	17.02	31624	21.23	31511	23.45
06	SBLK615	35942	17.02	28586	21.23	23307	23.44
07	A4B75	41606	17.02	21476	21.22	22423	23.44
08	A4B76	24889	17.02	15267 *	21.22	20090	23.44
09	A4B78	24762	17.02	17553	21.22	19485	23.44
10	A4B81	22110	17.02	17862	21.22	19649	23.44
11	A4B43	25063	17.02	18453	21.22	21961	23.44
12	A4B45	24513	17.02	18901	21.22	20853	23.44
13	A4B46	27292	17.02	19027	21.22	20659	23.43
14	A4B75DL	22517	17.02	18212	21.22	22268	23.43
15	A4B76DL	27104	17.02	19673	21.22	23989	23.43
16	A4B78DL	25561	17.02	21027	21.21	25064	23.43
17	A4B81DL	24225	17.02	19320	21.22	23457	23.44
18	A4B43DL	26499	17.02	23698	21.22	28547	23.43
19	A4B45DL	25085	17.02	20791	21.22	25235	23.44
20	A4B46DL	27097	17.02	20757	21.22	25788	23.44
21	SLCS615	22640	17.02	16594	21.22	19625	23.44

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4232 Date Analyzed: Jun 28 2024 12:00AM

Lab File ID: BN032275.D Time Analyzed: 05:07

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	37608	17.025	31365	21.226	31845	23.453
UPPER LIMIT	75216	17.525	62730	21.726	63690	23.953
LOWER LIMIT	18804	16.525	15682.5	20.726	15922.5	22.953
EPA SAMPLE NO.						
22 SP6539	34895	17.02	25322	21.22	29009	23.44
23 SP6540	30050	17.02	22760	21.22	27557	23.44

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.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4381 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BN032284.D Time Analyzed: 18:16

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	36407	17.02	30714	21.223	30489	23.444
	UPPER LIMIT	72814	17.52	61428	21.723	60978	23.944
	LOWER LIMIT	18203.5	16.52	15357	20.723	15244.5	22.944
	EPA SAMPLE NO.						
01	SBLK615	35942	17.02	28586	21.23	23307	23.44
02	A4B75	41606	17.02	21476	21.22	22423	23.44
03	A4B76	24889	17.02	15267 *	21.22	20090	23.44
04	A4B78	24762	17.02	17553	21.22	19485	23.44
05	A4B81	22110	17.02	17862	21.22	19649	23.44
06	A4B43	25063	17.02	18453	21.22	21961	23.44
07	A4B45	24513	17.02	18901	21.22	20853	23.44
08	A4B46	27292	17.02	19027	21.22	20659	23.43
09	A4B75DL	22517	17.02	18212	21.22	22268	23.43
10	A4B76DL	27104	17.02	19673	21.22	23989	23.43
11	A4B78DL	25561	17.02	21027	21.21	25064	23.43
12	A4B81DL	24225	17.02	19320	21.22	23457	23.44
13	A4B43DL	26499	17.02	23698	21.22	28547	23.43
14	A4B45DL	25085	17.02	20791	21.22	25235	23.44
15	A4B46DL	27097	17.02	20757	21.22	25788	23.44
16	SLCS615	22640	17.02	16594	21.22	19625	23.44

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4381 Date Analyzed: Jun 28 2024 12:00AM

Lab File ID: BN032284.D Time Analyzed: 03:19

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	36407	17.02	30714	21.223	30489	23.444
UPPER LIMIT	72814	17.52	61428	21.723	60978	23.944
LOWER LIMIT	18203.5	16.52	15357	20.723	15244.5	22.944
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.: BN062724 SAS No.: BN062724 SDG NO.: BN062724

EPA Sample No.: SSTD0.4382 Date Analyzed: Jun 28 2024 12:00AM

Lab File ID: BN032301.D Time Analyzed: 05:07

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	28138	17.02	22111	21.22	26606	23.439
UPPER LIMIT	56276	17.52	44222	21.72	53212	23.939
LOWER LIMIT	14069	16.52	11055.5	20.72	13303	22.939
EPA SAMPLE NO.						
01 SP6539	34895	17.02	25322	21.22	29009	23.44
02 SP6540	30050	17.02	22760	21.22	27557	23.44

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.: BN062724

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
SSTDICV0.4	1,4-Dioxane	0.4	0	ug/L	0				0	0		
	Naphthalene	0.4	0	ug/L	0				0	0		
	1-Methylnaphthalene	0.4	0	ug/L	0				0	0		
	2-Methylnaphthalene	0.4	0	ug/L	0				0	0		
	Acenaphthylene	0.4	0	ug/L	0				0	0		
	Acenaphthene	0.4	0	ug/L	0				0	0		
	Fluorene	0.4	0	ug/L	0				0	0		
	Pentachlorophenol	0.4	0	ug/L	0				0	0		
	Phenanthrene	0.4	0	ug/L	0				0	0		
	Anthracene	0.4	0	ug/L	0				0	0		
	Fluoranthene	0.4	0	ug/L	0				0	0		
	Pyrene	0.4	0	ug/L	0				0	0		
	Benzo(a)anthracene	0.4	0	ug/L	0				0	0		
	Chrysene	0.4	0	ug/L	0				0	0		
	Benzo(b)fluoranthene	0.4	0	ug/L	0				0	0		
	Benzo(k)fluoranthene	0.4	0	ug/L	0				0	0		
	Benzo(a)pyrene	0.4	0	ug/L	0				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0	ug/L	0				0	0		
	Dibenzo(a,h)anthracene	0.4	0	ug/L	0				0	0		
	Benzo(g,h,i)perylene	0.4	0	ug/L	0				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN062724

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161615BS	1,4-Dioxane	66.7	47	ug/Kg	70				0	0	
	Naphthalene	13.3	12	ug/Kg	90				0	0	
	1-Methylnaphthalene	13.3	10	ug/Kg	75				0	0	
	2-Methylnaphthalene	13.3	11	ug/Kg	83				0	0	
	Acenaphthylene	13.3	12	ug/Kg	90				0	0	
	Acenaphthene	13.3	12	ug/Kg	90				0	0	
	Fluorene	13.3	10	ug/Kg	75				0	0	
	Pentachlorophenol	26.7	21	ug/Kg	79				0	0	
	Phenanthrene	13.3	12	ug/Kg	90				0	0	
	Anthracene	13.3	12	ug/Kg	90				0	0	
	Fluoranthene	13.3	12	ug/Kg	90				0	0	
	Pyrene	13.3	12	ug/Kg	90				0	0	
	Benzo(a)anthracene	13.3	13	ug/Kg	98				0	0	
	Chrysene	13.3	12	ug/Kg	90				0	0	
	Benzo(b)fluoranthene	13.3	9.7	ug/Kg	73				0	0	
	Benzo(k)fluoranthene	13.3	11	ug/Kg	83				0	0	
	Benzo(a)pyrene	13.3	14	ug/Kg	105				0	0	
	Indeno(1,2,3-cd)pyrene	13.3	12	ug/Kg	90				0	0	
	Dibenzo(a,h)anthracene	13.3	13	ug/Kg	98				0	0	
	Benzo(g,h,i)perylene	13.3	12	ug/Kg	90				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6539

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN062724

SAS No.: BN062724 SDG NO.: BN062724

Lab File ID: BN032302.D

Lab Sample ID: SP6539

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 06/28/2024

Level: (low/med) LOW

Time Analyzed: 05:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6539	SP6539	BN032302.D	06/28/2024
SP6540	SP6540	BN032303.D	06/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK615

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN062724

SAS No.: BN062724 SDG NO.: BN062724

Lab File ID: BN032280.D

Lab Sample ID: PB161615BL

Instrument ID: BNA_N

Date Extracted: 06/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/27/2024

Level: (low/med) LOW

Time Analyzed: 14:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4B75	P2909-01	BN032286.D	06/27/2024
A4B76	P2909-02	BN032287.D	06/27/2024
A4B78	P2909-03	BN032288.D	06/27/2024
A4B81	P2909-04	BN032289.D	06/27/2024
A4B43	P2909-20	BN032290.D	06/27/2024
A4B45	P2909-21	BN032291.D	06/27/2024
A4B46	P2909-22	BN032292.D	06/27/2024
PB161615BS	PB161615BS	BN032300.D	06/28/2024
A4DN6	P2909-16	BN032281.D	06/27/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BN062724

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
SP6539	SP6539	BN032302.D	1,4-Dioxane-d8	8	0.00	0	*	15	120
			Fluoranthene-d10	0.4	0.00	0	*	30	130
			2-Methylnaphthalene-d10	0.4	0.00	0	*	30	130
SP6540	SP6540	BN032303.D	1,4-Dioxane-d8	8	1,606.00	20075	*	15	120
			Fluoranthene-d10	0.4	847.00	211750	*	30	130
			2-Methylnaphthalene-d10	0.4	772.00	193000	*	30	130

Surrogate Summary

SW-846

SDG No.: **BN062724**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2909-01	A4B75	BN032286.D	1,4-Dioxane-d8	8	3.23	40		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.23	58		20	140
P2909-01DL	A4B75DL	BN032293.D	1,4-Dioxane-d8	8	4.09	51		15	120
			Fluoranthene-d10	0.4	0.30	74		30	130
			2-Methylnaphthalene-d10	0.4	0.25	63		20	140
P2909-02	A4B76	BN032287.D	1,4-Dioxane-d8	8	3.85	48		15	120
			Fluoranthene-d10	0.4	0.40	100		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		20	140
P2909-02DL	A4B76DL	BN032294.D	1,4-Dioxane-d8	8	3.64	45		15	120
			Fluoranthene-d10	0.4	0.32	79		30	130
			2-Methylnaphthalene-d10	0.4	0.25	63		20	140
P2909-03	A4B78	BN032288.D	1,4-Dioxane-d8	8	1.59	20		15	120
			Fluoranthene-d10	0.4	0.32	79		30	130
			2-Methylnaphthalene-d10	0.4	0.22	56		20	140
P2909-03DL	A4B78DL	BN032295.D	1,4-Dioxane-d8	8	1.57	20		15	120
			Fluoranthene-d10	0.4	0.27	66		30	130
			2-Methylnaphthalene-d10	0.4	0.20	49		20	140
P2909-04	A4B81	BN032289.D	1,4-Dioxane-d8	8	3.84	48		15	120
			Fluoranthene-d10	0.4	0.29	72		30	130
			2-Methylnaphthalene-d10	0.4	0.25	62		20	140
P2909-04DL	A4B81DL	BN032296.D	1,4-Dioxane-d8	8	3.44	43		15	120
			Fluoranthene-d10	0.4	0.26	64		30	130
			2-Methylnaphthalene-d10	0.4	0.23	56		20	140
P2909-16	A4DN6	BN032281.D	1,4-Dioxane-d8	0.8	0.49	62		15	120
			Fluoranthene-d10	0.4	0.40	99		30	130
			2-Methylnaphthalene-d10	0.4	0.31	78		20	140
P2909-16DL	A4DN6DL	BN032282.D	1,4-Dioxane-d8	0.8	0.65	81		15	120
			Fluoranthene-d10	0.4	0.39	97		30	130
			2-Methylnaphthalene-d10	0.4	0.34	85		20	140
P2909-16DL2	A4DN6DL2	BN032283.D	1,4-Dioxane-d8	0.8	0.66	83		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		20	140
P2909-20	A4B43	BN032290.D	1,4-Dioxane-d8	8	3.10	39		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.19	48		20	140
P2909-20DL	A4B43DL	BN032297.D	1,4-Dioxane-d8	8	3.01	38		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.18	45		20	140
P2909-21	A4B45	BN032291.D	1,4-Dioxane-d8	8	3.46	43		15	120
			Fluoranthene-d10	0.4	0.25	63		30	130
			2-Methylnaphthalene-d10	0.4	0.22	55		20	140
P2909-21DL	A4B45DL	BN032298.D	1,4-Dioxane-d8	8	3.46	43		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P2909-22	A4B46	BN032292.D	1,4-Dioxane-d8	8	2.95	37		15	120
			Fluoranthene-d10	0.4	0.26	64		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P2909-22DL	A4B46DL	BN032299.D	1,4-Dioxane-d8	8	2.80	35		15	120



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

Surrogate Summary

SW-846

SDG No.: BN062724

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2909-22DL	A4B46DL	BN032299.D	Fluoranthene-d10	0.4	0.22	55		30	130
			2-Methylnaphthalene-d10	0.4	0.19	46		20	140
PB161615BL	PB161615BL	BN032280.D	1,4-Dioxane-d8	8	5.67	71		15	120
		BN032285.D	1,4-Dioxane-d8	8	5.49	69		15	120
		BN032280.D	Fluoranthene-d10	0.4	0.32	81		30	130
		BN032285.D	Fluoranthene-d10	0.4	0.31	77		30	130
			2-Methylnaphthalene-d10	0.4	0.29	71		20	140
		BN032280.D	2-Methylnaphthalene-d10	0.4	0.28	70		20	140
PB161615BS	PB161615BS	BN032300.D	1,4-Dioxane-d8	0.8	0.63	78		15	120
			Fluoranthene-d10	0.4	0.36	91		30	130
			2-Methylnaphthalene-d10	0.4	0.32	80		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN062724

Lab Code: CHEM

SAS No.: BN062724 SDG NO.: BN062724

Lab File ID: BN032272.D

DFTPP Injection Date: 06/27/2024

Instrument ID: BNA_N

DFTPP Injection Time: 09:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.2
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	25.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	11
442	Greater than 50% of mass 198	63.8
443	15.0 - 24.0% of mass 442	12.7 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.1230	SSTD0.101	BN032273.D	06/27/2024	09:53
SSTD0.2231	SSTD0.202	BN032274.D	06/27/2024	10:30
SSTD0.4232	SSTD0.403	BN032275.D	06/27/2024	11:06
SSTD0.8233	SSTD0.804	BN032276.D	06/27/2024	11:42
SSTD1.6234	SSTD1.605	BN032277.D	06/27/2024	12:19
SSTD3.2235	SSTD3.206	BN032278.D	06/27/2024	12:55
SICV236	SSTDICV0.4	BN032279.D	06/27/2024	13:32
SBLK615	PB161615BL	BN032280.D	06/27/2024	14:52
A4DN6	P2909-16	BN032281.D	06/27/2024	15:29
A4DN6DL	P2909-16DL	BN032282.D	06/27/2024	16:13
A4DN6DL2	P2909-16DL2	BN032283.D	06/27/2024	16:59
SSTD0.4381	SSTDCCC0.4	BN032284.D	06/27/2024	17:39
SBLK615	PB161615BL	BN032285.D	06/27/2024	18:16
A4B75	P2909-01	BN032286.D	06/27/2024	18:52
A4B76	P2909-02	BN032287.D	06/27/2024	19:29
A4B78	P2909-03	BN032288.D	06/27/2024	20:05
A4B81	P2909-04	BN032289.D	06/27/2024	20:42
A4B43	P2909-20	BN032290.D	06/27/2024	21:18

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN062724

Lab Code: CHEM

SAS No.: BN062724 SDG NO.: BN062724

Lab File ID: BN032272.D

DFTPP Injection Date: 06/27/2024

Instrument ID: BNA_N

DFTPP Injection Time: 09:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.2
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	25.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	11
442	Greater than 50% of mass 198	63.8
443	15.0 - 24.0% of mass 442	12.7 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
A4B45	P2909-21	BN032291.D	06/27/2024	21:54
A4B46	P2909-22	BN032292.D	06/27/2024	22:31
A4B75DL	P2909-01DL	BN032293.D	06/27/2024	23:07
A4B76DL	P2909-02DL	BN032294.D	06/27/2024	23:43
A4B78DL	P2909-03DL	BN032295.D	06/28/2024	00:19
A4B81DL	P2909-04DL	BN032296.D	06/28/2024	00:55
A4B43DL	P2909-20DL	BN032297.D	06/28/2024	01:31
A4B45DL	P2909-21DL	BN032298.D	06/28/2024	02:07
A4B46DL	P2909-22DL	BN032299.D	06/28/2024	02:43
SLCS615	PB161615BS	BN032300.D	06/28/2024	03:19
SSTD0.4382	SSTDCCC0.4EC	BN032301.D	06/28/2024	04:31
SP6539	SP6539	BN032302.D	06/28/2024	05:07
SP6540	SP6540	BN032303.D	06/28/2024	05:43