

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG No.: BP022724

Instrument ID: BNA_P Calibration Date/Time: 2/27/2024 1:09:39

Lab File ID: BP019887.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.531	0.559		5.273	
Pyridine	1.289	1.335		3.569	
2-Fluorophenol	1.218	1.304		7.061	
Benzaldehyde	1.036	0.930		-10.232	
Aniline	2.225	2.069		-7.011	
Phenol-d6	1.814	1.706		-5.954	
Phenol	1.809	1.674		-7.463	20.0
bis(2-Chloroethyl)ether	1.425	1.321		-7.298	
2-Chlorophenol	1.314	1.279		-2.664	
1,2-Dichlorobenzene	1.449	1.427		-1.518	
1,3-Dichlorobenzene	1.427	1.435		0.561	
1,4-Dichlorobenzene	1.445	1.469		1.661	20.0
Benzyl Alcohol	1.600	1.479		-7.563	
2-Methylphenol	1.353	1.271		-6.061	
2,2-oxybis(1-Chloropropane)	1.521	1.306		-14.135	
Acetophenone	0.621	0.552		-11.111	
3+4-Methylphenols	1.944	1.740		-10.494	
n-Nitroso-di-n-propylamine	1.370	1.264	0.050	-7.737	
Nitrobenzene-d5	0.495	0.461		-6.869	
Hexachloroethane	0.560	0.564		0.714	
Nitrobenzene	0.480	0.444		-7.5	
Isophorone	0.862	0.810		-6.032	
2-Nitrophenol	0.192	0.197		2.604	20.0
2,4-Dimethylphenol	0.317	0.316		-0.315	
bis(2-Chloroethoxy)methane	0.481	0.460		-4.366	
2,4-Dichlorophenol	0.353	0.361		2.266	20.0
1,2,4-Trichlorobenzene	0.388	0.395		1.804	
Benzoic acid	0.268	0.267		-0.373	
Naphthalene	1.071	1.059		-1.12	
4-Chloroaniline	0.487	0.476		-2.259	
Hexachlorobutadiene	0.282	0.290		2.837	20.0
Caprolactam	0.130	0.123		-5.385	
4-Chloro-3-methylphenol	0.436	0.417		-4.358	20.0
2-Methylnaphthalene	0.831	0.816		-1.805	
Hexachlorocyclopentadiene	0.354	0.403	0.050	13.842	
2,4,6-Trichlorophenol	0.451	0.472		4.656	20.0
2-Fluorobiphenyl	1.480	1.533		3.581	
2,4,5-Trichlorophenol	0.537	0.556		3.538	
1,1-Biphenyl	1.432	1.466		2.374	
2-Chloronaphthalene	1.112	1.128		1.439	
2-Nitroaniline	0.402	0.393		-2.239	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG No.: BP022724

Instrument ID: BNA_P Calibration Date/Time: 2/27/2024 1:09:39

Lab File ID: BP019887.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.633	1.614		-1.164	
Acenaphthylene	1.801	1.814		0.722	
2,6-Dinitrotoluene	0.351	0.352		0.285	
3-Nitroaniline	0.348	0.341		-2.011	
Acenaphthene	1.081	1.083		0.185	20.0
2,4-Dinitrophenol	0.229	0.232	0.050	1.31	
4-Nitrophenol	0.272	0.270	0.050	-0.735	
Dibenzofuran	1.845	1.876		1.68	
2,4-Dinitrotoluene	0.500	0.505		1.0	
Diethylphthalate	1.613	1.679		4.092	
4-Chlorophenyl-phenylether	0.856	1.012		18.224	
Fluorene	1.497	1.756		17.301	
4-Nitroaniline	0.362	0.429		18.508	
4,6-Dinitro-2-methylphenol	0.136	0.163		19.853	
n-Nitrosodiphenylamine	0.574	0.677		17.944	20.0
Azobenzene	1.502	1.800		19.84	
2,4,6-Tribromophenol	0.343	0.399		16.327	
4-Bromophenyl-phenylether	0.247	0.280		13.36	
Hexachlorobenzene	0.267	0.295		10.487	
Atrazine	0.240	0.239		-0.417	
Pentachlorophenol	0.197	0.210		6.599	20.0
Phenanthrene	1.068	1.077		0.843	
Anthracene	1.090	1.100		0.917	
Carbazole	0.965	0.951		-1.451	
Di-n-butylphthalate	1.207	1.208		0.083	
Fluoranthene	1.385	1.363		-1.588	20.0
Benzidine	0.574	0.632		10.105	
Pyrene	1.374	1.477		7.496	
Terphenyl-d14	1.269	1.380		8.747	
Butylbenzylphthalate	0.549	0.557		1.457	
3,3-Dichlorobenzidine	0.544	0.527		-3.125	
Benzo (a) anthracene	1.420	1.428		0.563	
Chrysene	1.330	1.337		0.526	
Bis (2-ethylhexyl) phthalate	0.789	0.779		-1.267	
Di-n-octyl phthalate	1.313	1.164		-11.348	20.0
Benzo (b) fluoranthene	1.226	1.302		6.199	
Benzo (k) fluoranthene	1.203	1.327		10.308	
Benzo (a) pyrene	1.172	1.194		1.877	20.0
Indeno (1,2,3-cd) pyrene	1.408	1.194		-15.199	
Dibenzo (a,h) anthracene	1.184	0.999		-15.625	
Benzo (g,h,i) perylene	1.143	0.960		-16.01	



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG No.: BP022724

Instrument ID: BNA_P Calibration Date/Time: 2/27/2024 1:09:39

Lab File ID: BP019887.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.683	0.713		4.392	
1,4-Dioxane	0.421	0.421		0.0	20.0
2,3,4,6-Tetrachlorophenol	0.493	0.512		3.854	
1-Methylnaphthalene	0.787	0.770		-2.16	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG No.: BP022724

Instrument ID: BNA_P Calibration Date/Time: 2/27/2024 1: 20:32

Lab File ID: BP019906.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.531	0.544		2.448	50.0
Pyridine	1.289	1.251		-2.948	50.0
2-Fluorophenol	1.218	1.178		-3.284	50.0
Benzaldehyde	1.036	0.981		-5.309	50.0
Aniline	2.225	2.037		-8.449	50.0
Phenol-d6	1.814	1.700		-6.284	50.0
Phenol	1.809	1.659		-8.292	50.0
bis(2-Chloroethyl)ether	1.425	1.323		-7.158	50.0
2-Chlorophenol	1.314	1.282		-2.435	50.0
1,2-Dichlorobenzene	1.449	1.434		-1.035	50.0
1,3-Dichlorobenzene	1.427	1.425		-0.14	50.0
1,4-Dichlorobenzene	1.445	1.453		0.554	50.0
Benzyl Alcohol	1.600	1.510		-5.625	50.0
2-Methylphenol	1.353	1.275		-5.765	50.0
2,2-oxybis(1-Chloropropane)	1.521	1.321		-13.149	50.0
Acetophenone	0.621	0.558		-10.145	50.0
3+4-Methylphenols	1.944	1.782		-8.333	50.0
n-Nitroso-di-n-propylamine	1.370	1.280	0.050	-6.569	50.0
Nitrobenzene-d5	0.495	0.462		-6.667	50.0
Hexachloroethane	0.560	0.549		-1.964	50.0
Nitrobenzene	0.480	0.443		-7.708	50.0
Isophorone	0.862	0.815		-5.452	50.0
2-Nitrophenol	0.192	0.196		2.083	50.0
2,4-Dimethylphenol	0.317	0.314		-0.946	50.0
bis(2-Chloroethoxy)methane	0.481	0.464		-3.534	50.0
2,4-Dichlorophenol	0.353	0.364		3.116	50.0
1,2,4-Trichlorobenzene	0.388	0.407		4.897	50.0
Benzoic acid	0.268	0.275		2.612	50.0
Naphthalene	1.071	1.066		-0.467	50.0
4-Chloroaniline	0.487	0.478		-1.848	50.0
Hexachlorobutadiene	0.282	0.305		8.156	50.0
Caprolactam	0.130	0.121		-6.923	50.0
4-Chloro-3-methylphenol	0.436	0.427		-2.064	50.0
2-Methylnaphthalene	0.831	0.842		1.324	50.0
Hexachlorocyclopentadiene	0.354	0.301	0.050	-14.972	50.0
2,4,6-Trichlorophenol	0.451	0.478		5.987	50.0
2-Fluorobiphenyl	1.480	1.548		4.595	50.0
2,4,5-Trichlorophenol	0.537	0.562		4.655	50.0
1,1-Biphenyl	1.432	1.462		2.095	50.0
2-Chloronaphthalene	1.112	1.135		2.068	50.0
2-Nitroaniline	0.402	0.393		-2.239	50.0



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG No.: BP022724

Instrument ID: BNA_P Calibration Date/Time: 2/27/2024 1: 20:32

Lab File ID: BP019906.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.633	1.619		-0.857	50.0
Acenaphthylene	1.801	1.813		0.666	50.0
2,6-Dinitrotoluene	0.351	0.354		0.855	50.0
3-Nitroaniline	0.348	0.345		-0.862	50.0
Acenaphthene	1.081	1.099		1.665	50.0
2,4-Dinitrophenol	0.229	0.220	0.050	-3.93	50.0
4-Nitrophenol	0.272	0.277	0.050	1.838	50.0
Dibenzofuran	1.845	1.896		2.764	50.0
2,4-Dinitrotoluene	0.500	0.512		2.4	50.0
Diethylphthalate	1.613	1.725		6.944	50.0
4-Chlorophenyl-phenylether	0.856	1.152		34.579	50.0
Fluorene	1.497	2.003		33.801	50.0
4-Nitroaniline	0.362	0.504		39.227	50.0
4,6-Dinitro-2-methylphenol	0.136	0.137		0.735	50.0
n-Nitrosodiphenylamine	0.574	0.581		1.22	50.0
Azobenzene	1.502	2.115		40.812	50.0
2,4,6-Tribromophenol	0.343	0.453		32.07	50.0
4-Bromophenyl-phenylether	0.247	0.251		1.619	50.0
Hexachlorobenzene	0.267	0.266		-0.375	50.0
Atrazine	0.240	0.241		0.417	50.0
Pentachlorophenol	0.197	0.200		1.523	50.0
Phenanthrene	1.068	1.059		-0.843	50.0
Anthracene	1.090	1.090		0.0	50.0
Carbazole	0.965	0.923		-4.352	50.0
Di-n-butylphthalate	1.207	1.109		-8.119	50.0
Fluoranthene	1.385	1.051		-24.116	50.0
Benzidine	0.574	0.616		7.317	50.0
Pyrene	1.374	1.519		10.553	50.0
Terphenyl-d14	1.269	1.441		13.554	50.0
Butylbenzylphthalate	0.549	0.602		9.654	50.0
3,3-Dichlorobenzidine	0.544	0.555		2.022	50.0
Benzo (a) anthracene	1.420	1.434		0.986	50.0
Chrysene	1.330	1.330		0.0	50.0
Bis (2-ethylhexyl) phthalate	0.789	0.871		10.393	50.0
Di-n-octyl phthalate	1.313	1.357		3.351	50.0
Benzo (b) fluoranthene	1.226	1.323		7.912	50.0
Benzo (k) fluoranthene	1.203	1.238		2.909	50.0
Benzo (a) pyrene	1.172	1.185		1.109	50.0
Indeno (1,2,3-cd) pyrene	1.408	1.344		-4.545	50.0
Dibenzo (a,h) anthracene	1.184	1.122		-5.236	50.0
Benzo (g,h,i) perylene	1.143	1.098		-3.937	50.0



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG No.: BP022724

Instrument ID: BNA_P Calibration Date/Time: 2/27/2024 1: 20:32

Lab File ID: BP019906.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.683	0.734		7.467	50.0
1,4-Dioxane	0.421	0.391		-7.126	50.0
2,3,4,6-Tetrachlorophenol	0.493	0.535		8.519	50.0
1-Methylnaphthalene	0.787	0.784		-0.381	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BL	SDG No.:	BP022724
Lab Sample ID:	PB159278BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019888.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BL	SDG No.:	BP022724
Lab Sample ID:	PB159278BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019888.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9	U	189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BL	SDG No.:	BP022724
Lab Sample ID:	PB159278BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019888.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.711		18-112		76	SPK: -150
13127-88-3	Phenol-d6	122.969		15-107		82	SPK: -150
4165-60-0	Nitrobenzene-d5	73.751		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	84.865		20-109		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.661		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	84.584		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102936	7.898				
1146-65-2	Naphthalene-d8	355894	10.698				
15067-26-2	Acenaphthene-d10	260199	14.539				
1517-22-2	Phenanthrene-d10	645210	17.304				
1719-03-5	Chrysene-d12	648819	21.398				
1520-96-3	Perylene-d12	682051	23.821				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BL	SDG No.:	BP022724
Lab Sample ID:	PB159278BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019888.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BS	SDG No.:	BP022724
Lab Sample ID:	PB159278BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019889.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		77.2	270	330	ug/Kg
110-86-1	Pyridine	870		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	460		150	270	330	ug/Kg
62-53-3	Aniline	820		120	130	170	ug/Kg
108-95-2	Phenol	1600		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	610		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1100		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BS	SDG No.:	BP022724
Lab Sample ID:	PB159278BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019889.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	4200	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	810		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.2	130	170	ug/Kg
Total PAH	Total PAH	25200		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2600		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2700		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		90.3	130	170	ug/Kg
86-73-7	Fluorene	1500		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1100		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1400		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1300		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.6	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1400		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BS	SDG No.:	BP022724
Lab Sample ID:	PB159278BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019889.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		190	270	330	ug/Kg
129-00-0	Pyrene	1700		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		83.8	130	170	ug/Kg
218-01-9	Chrysene	1500		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.666		18-112		79	SPK: -150
13127-88-3	Phenol-d6	131.203		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	79.888		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	97.4		20-109		97	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.184		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	98.495		14-112		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113662	7.899				
1146-65-2	Naphthalene-d8	371822	10.699				
15067-26-2	Acenaphthene-d10	238771	14.54				
1517-22-2	Phenanthrene-d10	465574	17.304				
1719-03-5	Chrysene-d12	346849	21.404				
1520-96-3	Perylene-d12	336734	23.821				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	PB159278BS	SDG No.:	BP022724
Lab Sample ID:	PB159278BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019889.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BL	SDG No.:	BP022724
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019890.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BL	SDG No.:	BP022724
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019890.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BL	SDG No.:	BP022724
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019890.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126.11		18-112		84	SPK: -150
13127-88-3	Phenol-d6	113.538		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	55.209		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	83.987		20-109		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	127.047		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	86.109		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97021	7.899				
1146-65-2	Naphthalene-d8	495993	10.699				
15067-26-2	Acenaphthene-d10	343902	14.54				
1517-22-2	Phenanthrene-d10	818701	17.304				
1719-03-5	Chrysene-d12	752933	21.398				
1520-96-3	Perylene-d12	715651	23.821				



Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BL	SDG No.:	BP022724
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019890.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BS	SDG No.:	BP022724
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019891.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	440		150	270	330	ug/Kg
62-53-3	Aniline	810		120	130	170	ug/Kg
108-95-2	Phenol	1500		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1500		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	620		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1100		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BS	SDG No.:	BP022724
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019891.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	4100	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	820		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.2	130	170	ug/Kg
Total PAH	Total PAH	25300		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		90.3	130	170	ug/Kg
86-73-7	Fluorene	1500		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1200		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1400		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1300		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.6	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1400		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BS	SDG No.:	BP022724
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019891.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		190	270	330	ug/Kg
129-00-0	Pyrene	1800		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		83.8	130	170	ug/Kg
218-01-9	Chrysene	1500		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.613		18-112		96	SPK: -150
13127-88-3	Phenol-d6	128.232		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	81.247		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	96.505		20-109		97	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.721		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	101.083		14-112		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90997	7.899				
1146-65-2	Naphthalene-d8	356872	10.698				
15067-26-2	Acenaphthene-d10	235427	14.539				
1517-22-2	Phenanthrene-d10	474849	17.304				
1719-03-5	Chrysene-d12	341149	21.398				
1520-96-3	Perylene-d12	333884	23.821				



Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BS	SDG No.:	BP022724
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019891.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	337	SDG No.:	BP022724
Lab Sample ID:	P1586-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019892.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.6	U	88.6	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.1	U	43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	48.9	U	48.9	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	51.9	U	51.9	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.3	U	35.3	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45	U	45	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.4	U	46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.4	U	49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.8	U	56.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	337	SDG No.:	BP022724
Lab Sample ID:	P1586-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019892.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.6	U	52.6	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.2	U	53.2	77.9	100	ug/Kg
208-96-8	Acenaphthylene	52.9	U	52.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	55.9	U	55.9	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	860.7	U	860.7	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.8	U	59.8	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.7	U	113.7	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.4	U	51.4	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.1	U	54.1	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.3	U	58.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.1	U	57.1	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.5	U	55.5	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.8	U	50.8	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.5	U	56.5	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	337	SDG No.:	BP022724
Lab Sample ID:	P1586-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019892.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.1	U	50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.4	U	96.4	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.2	U	50.2	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.5	U	53.5	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54	U	54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.914		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.733		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	60.412		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	70.322		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.369		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	63.716		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73649	7.899				
1146-65-2	Naphthalene-d8	263294	10.699				
15067-26-2	Acenaphthene-d10	170639	14.54				
1517-22-2	Phenanthrene-d10	332845	17.304				
1719-03-5	Chrysene-d12	324183	21.398				
1520-96-3	Perylene-d12	401430	23.821				

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	337	SDG No.:	BP022724
Lab Sample ID:	P1586-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019892.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	LKWD-BACKFILL-16	SDG No.:	BP022724
Lab Sample ID:	P1564-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019893.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	81.5	U	81.5	280	350	ug/Kg
110-86-1	Pyridine	76.3	U	76.3	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	280	350	ug/Kg
62-53-3	Aniline	120	U	120	140	180	ug/Kg
108-95-2	Phenol	78.4	U	78.4	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.7	U	94.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	75.9	U	75.9	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.1	U	86.1	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.3	U	93.3	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.9	U	86.9	140	180	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	280	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	91.4	U	91.4	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.2	U	62.2	84.3	84.3	ug/Kg
67-72-1	Hexachloroethane	77.6	U	77.6	140	180	ug/Kg
98-95-3	Nitrobenzene	79.3	U	79.3	140	180	ug/Kg
78-59-1	Isophorone	71.8	U	71.8	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	82.3	U	82.3	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	81.7	U	81.7	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	280	350	ug/Kg
91-20-3	Naphthalene	85.8	U	85.8	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.6	U	88.6	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87	U	87	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	LKWD-BACKFILL-16	SDG No.:	BP022724
Lab Sample ID:	P1564-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019893.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	220	U	220	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.3	U	81.3	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.7	U	92.7	140	180	ug/Kg
92-52-4	1,1-Biphenyl	96.3	U	96.3	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.2	U	89.2	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	93.7	U	93.7	140	180	ug/Kg
208-96-8	Acenaphthylene	93.2	U	93.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.9	U	94.9	140	180	ug/Kg
99-09-2	3-Nitroaniline	98.5	U	98.5	140	180	ug/Kg
83-32-9	Acenaphthene	84.7	U	84.7	140	180	ug/Kg
Total PAH	Total PAH	1513	U	1513	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	81.1	U	81.1	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	204.9	U	204.9	140	360	ug/Kg
84-66-2	Diethylphthalate	90.6	U	90.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.3	U	95.3	140	180	ug/Kg
86-73-7	Fluorene	89.4	U	89.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	92.6	U	92.6	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.4	U	98.4	140	180	ug/Kg
103-33-3	Azobenzene	77.5	U	77.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	280	350	ug/Kg
85-01-8	Phenanthrene	97.7	U	97.7	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	89.5	U	89.5	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	99.5	U	99.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	LKWD-BACKFILL-16	SDG No.:	BP022724
Lab Sample ID:	P1564-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019893.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	200	U	200	280	350	ug/Kg
129-00-0	Pyrene	88.2	U	88.2	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	88.5	U	88.5	140	180	ug/Kg
218-01-9	Chrysene	91.5	U	91.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	84.7	U	84.7	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	92.9	U	92.9	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.4	U	99.4	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	97.5	U	97.5	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.3	U	94.3	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.4	U	87.4	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	95.1	U	95.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	60.977		18-112		41	SPK: -150
13127-88-3	Phenol-d6	66.537		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	38.947		18-107		39	SPK: -100
321-60-8	2-Fluorobiphenyl	45.187		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.342		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	48.862		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84063	7.899				
1146-65-2	Naphthalene-d8	317641	10.699				
15067-26-2	Acenaphthene-d10	229616	14.54				
1517-22-2	Phenanthrene-d10	480227	17.304				
1719-03-5	Chrysene-d12	376419	21.398				
1520-96-3	Perylene-d12	408793	23.821				



Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	LKWD-BACKFILL-16	SDG No.:	BP022724
Lab Sample ID:	P1564-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019893.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232	SDG No.:	BP022724
Lab Sample ID:	P1585-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019894.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.5	U	53.5	190	230	ug/Kg
110-86-1	Pyridine	50.1	U	50.1	90	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	81	U	81	90	120	ug/Kg
108-95-2	Phenol	51.5	U	51.5	90	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.2	U	62.2	90	120	ug/Kg
95-57-8	2-Chlorophenol	49.9	U	49.9	90	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.6	U	56.6	90	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.3	U	61.3	90	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.1	U	57.1	90	120	ug/Kg
100-51-6	Benzyl Alcohol	68.4	U	68.4	190	230	ug/Kg
95-48-7	2-Methylphenol	78.9	U	78.9	90	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.7	U	72.7	90	120	ug/Kg
98-86-2	Acetophenone	60	U	60	90	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.8	U	74.8	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.9	U	40.9	55.4	55.4	ug/Kg
67-72-1	Hexachloroethane	51	U	51	90	120	ug/Kg
98-95-3	Nitrobenzene	52.1	U	52.1	90	120	ug/Kg
78-59-1	Isophorone	47.2	U	47.2	90	120	ug/Kg
88-75-5	2-Nitrophenol	65.8	U	65.8	90	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69	U	69	90	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.6	U	77.6	90	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.1	U	54.1	90	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.7	U	53.7	90	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.4	U	56.4	90	120	ug/Kg
106-47-8	4-Chloroaniline	72.7	U	72.7	90	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.2	U	58.2	90	120	ug/Kg
105-60-2	Caprolactam	81	U	81	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.1	U	57.1	90	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.7	U	65.7	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232	SDG No.:	BP022724
Lab Sample ID:	P1585-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019894.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53.4	U	53.4	90	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.9	U	60.9	90	120	ug/Kg
92-52-4	1,1-Biphenyl	63.2	U	63.2	90	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.6	U	58.6	90	120	ug/Kg
88-74-4	2-Nitroaniline	68.8	U	68.8	90	120	ug/Kg
131-11-3	Dimethylphthalate	61.6	U	61.6	90	120	ug/Kg
208-96-8	Acenaphthylene	61.2	U	61.2	90	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62.3	U	62.3	90	120	ug/Kg
99-09-2	3-Nitroaniline	64.7	U	64.7	90	120	ug/Kg
83-32-9	Acenaphthene	55.6	U	55.6	90	120	ug/Kg
Total PAH	Total PAH	995.1	U	995.1	90	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	190	230	ug/Kg
132-64-9	Dibenzofuran	53.2	U	53.2	90	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	31.5	U	131.5	90	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.2	U	69.2	90	120	ug/Kg
84-66-2	Diethylphthalate	59.5	U	59.5	90	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.6	U	62.6	90	120	ug/Kg
86-73-7	Fluorene	58.7	U	58.7	90	120	ug/Kg
100-01-6	4-Nitroaniline	72	U	72	90	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.8	U	60.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.6	U	64.6	90	120	ug/Kg
103-33-3	Azobenzene	50.9	U	50.9	90	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.4	U	67.4	90	120	ug/Kg
118-74-1	Hexachlorobenzene	68.4	U	68.4	90	120	ug/Kg
1912-24-9	Atrazine	66.1	U	66.1	90	120	ug/Kg
87-86-5	Pentachlorophenol	76.9	U	76.9	190	230	ug/Kg
85-01-8	Phenanthrene	200		64.2	90	120	ug/Kg
120-12-7	Anthracene	70.6	U	70.6	90	120	ug/Kg
86-74-8	Carbazole	58.8	U	58.8	90	120	ug/Kg
84-74-2	Di-n-butylphthalate	72	U	72	90	120	ug/Kg
206-44-0	Fluoranthene	140		65.4	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232	SDG No.:	BP022724
Lab Sample ID:	P1585-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019894.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	190	230	ug/Kg
129-00-0	Pyrene	98.9	J	58	90	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.3	U	71.3	90	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	58.1	U	58.1	90	120	ug/Kg
218-01-9	Chrysene	60.1	U	60.1	90	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	79.6	U	79.6	90	120	ug/Kg
117-84-0	Di-n-octyl phthalate	85.2	U	85.2	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.6	U	55.6	90	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	61	U	61	90	120	ug/Kg
50-32-8	Benzo(a)pyrene	65.3	U	65.3	90	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	74.1	U	74.1	90	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.8	U	66.8	90	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	64	U	64	90	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.9	U	61.9	90	120	ug/Kg
123-91-1	1,4-Dioxane	81	U	81	90	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.4	U	57.4	90	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.5	U	62.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.599		18-112		78	SPK: -150
13127-88-3	Phenol-d6	124.335		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	73.632		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	85.092		20-109		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	109.744		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	74.609		14-112		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88571	7.899				
1146-65-2	Naphthalene-d8	332068	10.699				
15067-26-2	Acenaphthene-d10	219848	14.539				
1517-22-2	Phenanthrene-d10	414483	17.304				
1719-03-5	Chrysene-d12	350444	21.404				
1520-96-3	Perylene-d12	448168	23.821				



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

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232	SDG No.:	BP022724
Lab Sample ID:	P1585-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019894.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.016	
000057-10-3	n-Hexadecanoic acid	300	J			18.204	
000057-11-4	Octadecanoic acid	88.2	J			19.439	
018835-32-0	1-Tricosene	110	J			21.127	

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MS	SDG No.:	BP022724
Lab Sample ID:	P1585-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019895.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970		53.5	190	230	ug/Kg
110-86-1	Pyridine	760		50.1	90	120	ug/Kg
100-52-7	Benzaldehyde	220	J	100	190	230	ug/Kg
62-53-3	Aniline	660		81	90	120	ug/Kg
108-95-2	Phenol	1100		51.5	90	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		62.1	90	120	ug/Kg
95-57-8	2-Chlorophenol	1100		49.8	90	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		56.5	90	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		61.2	90	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		57	90	120	ug/Kg
100-51-6	Benzyl Alcohol	840		68.4	190	230	ug/Kg
95-48-7	2-Methylphenol	820		78.9	90	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	810		72.7	90	120	ug/Kg
98-86-2	Acetophenone	880		60	90	120	ug/Kg
65794-96-9	3+4-Methylphenols	770		74.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	760		40.8	55.4	55.4	ug/Kg
67-72-1	Hexachloroethane	1000		50.9	90	120	ug/Kg
98-95-3	Nitrobenzene	890		52	90	120	ug/Kg
78-59-1	Isophorone	860		47.1	90	120	ug/Kg
88-75-5	2-Nitrophenol	980		65.8	90	120	ug/Kg
105-67-9	2,4-Dimethylphenol	790		68.9	90	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		77.5	90	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		54	90	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		53.6	90	120	ug/Kg
65-85-0	Benzoic acid	860		150	190	230	ug/Kg
91-20-3	Naphthalene	950		56.3	90	120	ug/Kg
106-47-8	4-Chloroaniline	230		72.7	90	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		58.1	90	120	ug/Kg
105-60-2	Caprolactam	700		81	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	820		57.1	90	120	ug/Kg
91-57-6	2-Methylnaphthalene	870		65.7	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MS	SDG No.:	BP022724
Lab Sample ID:	P1585-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019895.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2400	E	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		53.4	90	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	930		60.8	90	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		63.2	90	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		58.5	90	120	ug/Kg
88-74-4	2-Nitroaniline	850		68.7	90	120	ug/Kg
131-11-3	Dimethylphthalate	870		61.5	90	120	ug/Kg
208-96-8	Acenaphthylene	1000		61.2	90	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	890		62.3	90	120	ug/Kg
99-09-2	3-Nitroaniline	550		64.6	90	120	ug/Kg
83-32-9	Acenaphthene	980		55.6	90	120	ug/Kg
Total PAH	Total PAH	16420		994.6	90	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		120	190	230	ug/Kg
100-02-7	4-Nitrophenol	1600		78.9	190	230	ug/Kg
132-64-9	Dibenzofuran	980		53.2	90	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	710		131.4	90	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	820		69.1	90	120	ug/Kg
84-66-2	Diethylphthalate	830		59.4	90	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	930		62.6	90	120	ug/Kg
86-73-7	Fluorene	950		58.7	90	120	ug/Kg
100-01-6	4-Nitroaniline	710		72	90	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	980		60.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		64.6	90	120	ug/Kg
103-33-3	Azobenzene	860		50.9	90	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		67.4	90	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		68.4	90	120	ug/Kg
1912-24-9	Atrazine	900		66	90	120	ug/Kg
87-86-5	Pentachlorophenol	1800		76.8	190	230	ug/Kg
85-01-8	Phenanthrene	1100		64.1	90	120	ug/Kg
120-12-7	Anthracene	950		70.6	90	120	ug/Kg
86-74-8	Carbazole	860		58.8	90	120	ug/Kg
84-74-2	Di-n-butylphthalate	830		72	90	120	ug/Kg
206-44-0	Fluoranthene	880		65.3	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MS	SDG No.:	BP022724
Lab Sample ID:	P1585-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019895.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	940		130	190	230	ug/Kg
129-00-0	Pyrene	1200		57.9	90	120	ug/Kg
85-68-7	Butylbenzylphthalate	970		71.3	90	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		58.1	90	120	ug/Kg
218-01-9	Chrysene	990		60.1	90	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	930		79.6	90	120	ug/Kg
117-84-0	Di-n-octyl phthalate	920		85.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	960		55.6	90	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	920		61	90	120	ug/Kg
50-32-8	Benzo(a)pyrene	940		65.3	90	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		74	90	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		66.8	90	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		64	90	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		61.9	90	120	ug/Kg
123-91-1	1,4-Dioxane	900		81	90	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		57.4	90	120	ug/Kg
90-12-0	1-Methylnaphthalene	870		62.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.24		18-112		70	SPK: -150
13127-88-3	Phenol-d6	112.867		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	63.267		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	73.9		20-109		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.242		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	72.959		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96918	7.899				
1146-65-2	Naphthalene-d8	364772	10.699				
15067-26-2	Acenaphthene-d10	233345	14.54				
1517-22-2	Phenanthrene-d10	430680	17.304				
1719-03-5	Chrysene-d12	297425	21.404				
1520-96-3	Perylene-d12	375436	23.821				



Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MS	SDG No.:	BP022724
Lab Sample ID:	P1585-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BP019895.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MSD	SDG No.:	BP022724
Lab Sample ID:	P1585-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019896.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	850		53.5	190	230	ug/Kg
110-86-1	Pyridine	650		50.1	89.9	120	ug/Kg
100-52-7	Benzaldehyde	140	J	100	190	230	ug/Kg
62-53-3	Aniline	480		80.9	89.9	120	ug/Kg
108-95-2	Phenol	810		51.5	89.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	760		62.1	89.9	120	ug/Kg
95-57-8	2-Chlorophenol	860		49.8	89.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	930		56.5	89.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		61.2	89.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		57	89.9	120	ug/Kg
100-51-6	Benzyl Alcohol	820		68.3	190	230	ug/Kg
95-48-7	2-Methylphenol	860		78.9	89.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		72.6	89.9	120	ug/Kg
98-86-2	Acetophenone	870		60	89.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	860		74.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	880		40.8	55.3	55.3	ug/Kg
67-72-1	Hexachloroethane	1100		50.9	89.9	120	ug/Kg
98-95-3	Nitrobenzene	900		52	89.9	120	ug/Kg
78-59-1	Isophorone	870		47.1	89.9	120	ug/Kg
88-75-5	2-Nitrophenol	970		65.8	89.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	790		68.9	89.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	920		77.5	89.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	960		54	89.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		53.6	89.9	120	ug/Kg
65-85-0	Benzoic acid	860		150	190	230	ug/Kg
91-20-3	Naphthalene	950		56.3	89.9	120	ug/Kg
106-47-8	4-Chloroaniline	250		72.6	89.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		58.1	89.9	120	ug/Kg
105-60-2	Caprolactam	700		80.9	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	830		57.1	89.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	840		65.6	89.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MSD	SDG No.:	BP022724
Lab Sample ID:	P1585-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019896.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2300	E	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		53.3	89.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	900		60.8	89.9	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		63.2	89.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		58.5	89.9	120	ug/Kg
88-74-4	2-Nitroaniline	890		68.7	89.9	120	ug/Kg
131-11-3	Dimethylphthalate	860		61.5	89.9	120	ug/Kg
208-96-8	Acenaphthylene	1000		61.1	89.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	870		62.3	89.9	120	ug/Kg
99-09-2	3-Nitroaniline	540		64.6	89.9	120	ug/Kg
83-32-9	Acenaphthene	980		55.5	89.9	120	ug/Kg
Total PAH	Total PAH	16210		993.9	89.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		120	190	230	ug/Kg
100-02-7	4-Nitrophenol	1600		78.9	190	230	ug/Kg
132-64-9	Dibenzofuran	940		53.2	89.9	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	810		69.1	89.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	680		131.4	89.9	240	ug/Kg
84-66-2	Diethylphthalate	820		59.4	89.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	880		62.5	89.9	120	ug/Kg
86-73-7	Fluorene	920		58.7	89.9	120	ug/Kg
100-01-6	4-Nitroaniline	710		71.9	89.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	980		60.7	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		64.5	89.9	120	ug/Kg
103-33-3	Azobenzene	900		50.8	89.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		67.4	89.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		68.3	89.9	120	ug/Kg
1912-24-9	Atrazine	900		66	89.9	120	ug/Kg
87-86-5	Pentachlorophenol	1700		76.8	190	230	ug/Kg
85-01-8	Phenanthrene	1100		64.1	89.9	120	ug/Kg
120-12-7	Anthracene	950		70.6	89.9	120	ug/Kg
86-74-8	Carbazole	870		58.7	89.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	860		71.9	89.9	120	ug/Kg
206-44-0	Fluoranthene	870		65.3	89.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MSD	SDG No.:	BP022724
Lab Sample ID:	P1585-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019896.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	990		130	190	230	ug/Kg
129-00-0	Pyrene	1200		57.9	89.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		71.2	89.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	990		58	89.9	120	ug/Kg
218-01-9	Chrysene	960		60	89.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	970		79.5	89.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	950		85.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	950		55.5	89.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	910		60.9	89.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	930		65.2	89.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		74	89.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		66.8	89.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		64	89.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		61.8	89.9	120	ug/Kg
123-91-1	1,4-Dioxane	770		80.9	89.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	850		57.3	89.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	840		62.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.187		18-112		61	SPK: -150
13127-88-3	Phenol-d6	83.441		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	63.747		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	71.753		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.05		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	71.125		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	110649	7.899				
1146-65-2	Naphthalene-d8	467510	10.698				
15067-26-2	Acenaphthene-d10	293867	14.539				
1517-22-2	Phenanthrene-d10	532091	17.304				
1719-03-5	Chrysene-d12	368289	21.404				
1520-96-3	Perylene-d12	454038	23.821				

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	VNJ-232MSD	SDG No.:	BP022724
Lab Sample ID:	P1585-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019896.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022724
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019897.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	220	U	220	750	920	ug/Kg
110-86-1	Pyridine	200	U	200	360	470	ug/Kg
100-52-7	Benzaldehyde	410	U	410	750	920	ug/Kg
62-53-3	Aniline	330	U	330	360	470	ug/Kg
108-95-2	Phenol	210	U	210	360	470	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	250	360	470	ug/Kg
95-57-8	2-Chlorophenol	200	U	200	360	470	ug/Kg
95-50-1	1,2-Dichlorobenzene	230	U	230	360	470	ug/Kg
541-73-1	1,3-Dichlorobenzene	250	U	250	360	470	ug/Kg
106-46-7	1,4-Dichlorobenzene	230	U	230	360	470	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	750	920	ug/Kg
95-48-7	2-Methylphenol	320	U	320	360	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	360	470	ug/Kg
98-86-2	Acetophenone	240	U	240	360	470	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	300	750	920	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	220	220	ug/Kg
67-72-1	Hexachloroethane	210	U	210	360	470	ug/Kg
98-95-3	Nitrobenzene	210	U	210	360	470	ug/Kg
78-59-1	Isophorone	190	U	190	360	470	ug/Kg
88-75-5	2-Nitrophenol	270	U	270	360	470	ug/Kg
105-67-9	2,4-Dimethylphenol	280	U	280	360	470	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	310	U	310	360	470	ug/Kg
120-83-2	2,4-Dichlorophenol	220	U	220	360	470	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	220	U	220	360	470	ug/Kg
65-85-0	Benzoic acid	600	U	600	750	920	ug/Kg
91-20-3	Naphthalene	230	U	230	360	470	ug/Kg
106-47-8	4-Chloroaniline	290	U	290	360	470	ug/Kg
87-68-3	Hexachlorobutadiene	230	U	230	360	470	ug/Kg
105-60-2	Caprolactam	330	U	330	750	920	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	230	360	470	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	360	470	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022724
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019897.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	590	U	590	750	920	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	360	470	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	360	470	ug/Kg
92-52-4	1,1-Biphenyl	250	U	250	360	470	ug/Kg
91-58-7	2-Chloronaphthalene	240	U	240	360	470	ug/Kg
88-74-4	2-Nitroaniline	280	U	280	360	470	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	360	470	ug/Kg
208-96-8	Acenaphthylene	250	U	250	360	470	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	250	360	470	ug/Kg
99-09-2	3-Nitroaniline	260	U	260	360	470	ug/Kg
83-32-9	Acenaphthene	220	U	220	360	470	ug/Kg
Total PAH	Total PAH	4000	U	4000	360	7520	ug/Kg
51-28-5	2,4-Dinitrophenol	500	U	500	750	920	ug/Kg
100-02-7	4-Nitrophenol	320	U	320	750	920	ug/Kg
132-64-9	Dibenzofuran	210	U	210	360	470	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	360	470	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	530	U	530	360	940	ug/Kg
84-66-2	Diethylphthalate	240	U	240	360	470	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	250	360	470	ug/Kg
86-73-7	Fluorene	240	U	240	360	470	ug/Kg
100-01-6	4-Nitroaniline	290	U	290	360	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	750	920	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	360	470	ug/Kg
103-33-3	Azobenzene	210	U	210	360	470	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	270	360	470	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	360	470	ug/Kg
1912-24-9	Atrazine	270	U	270	360	470	ug/Kg
87-86-5	Pentachlorophenol	310	U	310	750	920	ug/Kg
85-01-8	Phenanthrene	260	U	260	360	470	ug/Kg
120-12-7	Anthracene	280	U	280	360	470	ug/Kg
86-74-8	Carbazole	240	U	240	360	470	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	360	470	ug/Kg
206-44-0	Fluoranthene	260	U	260	360	470	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022724
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019897.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	540	U	540	750	920	ug/Kg
129-00-0	Pyrene	230	U	230	360	470	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	290	360	470	ug/Kg
91-94-1	3,3-Dichlorobenzidine	450	U	450	750	920	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	230	360	470	ug/Kg
218-01-9	Chrysene	240	U	240	360	470	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	320	360	470	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	750	920	ug/Kg
205-99-2	Benzo(b)fluoranthene	220	U	220	360	470	ug/Kg
207-08-9	Benzo(k)fluoranthene	250	U	250	360	470	ug/Kg
50-32-8	Benzo(a)pyrene	260	U	260	360	470	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300	U	300	360	470	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	360	470	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	360	470	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	250	360	470	ug/Kg
123-91-1	1,4-Dioxane	330	U	330	360	470	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	360	470	ug/Kg
90-12-0	1-Methylnaphthalene	250	U	250	470	470	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.493		18-112		59	SPK: -150
13127-88-3	Phenol-d6	84.838		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	54.786		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	50.959		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.158		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	50.627		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	106421	7.893				
1146-65-2	Naphthalene-d8	421639	10.699				
15067-26-2	Acenaphthene-d10	299960	14.54				
1517-22-2	Phenanthrene-d10	652853	17.298				
1719-03-5	Chrysene-d12	500181	21.398				
1520-96-3	Perylene-d12	499566	23.821				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022724
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019897.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	10300	J			3.123	
000107-86-8	2-Butenal, 3-methyl-	320	J			3.746	
	unknown3.864	210	J			3.864	
000556-82-1	Prenol	1100	J			4.07	
001115-11-3	2-Butenal, 2-methyl-	360	J			4.24	
000544-12-7	3-Hexen-1-ol	360	J			4.452	
000108-11-2	2-Pentanol, 4-methyl-	1800	J			4.64	
	unknown4.693	1000	J			4.693	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2100	A			5.017	
	unknown5.793	300	J			5.793	
001191-16-8	2-Buten-1-ol, 3-methyl-, acetate	330	J			6.205	
	unknown6.752	320	J			6.752	
033342-87-9	2-Hydroxypropiophenone, TMS deriv	240	J			7.293	
053170-97-1	4-Chloro-3-methylbut-2-en-1-ol	430	J			7.599	
	unknown8.140	310	J			8.14	
	unknown11.451	240	J			11.451	
039262-22-1	(-)-10-Camphorsulfonyl chloride	740	J			13.44	
000057-10-3	n-Hexadecanoic acid	710	J			18.198	
000057-11-4	Octadecanoic acid	360	J			19.433	
1000309-38-3	Oxalic acid, isobutyl octadecyl es	310	J			21.122	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022724
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019898.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	230	U	230	790	970	ug/Kg
110-86-1	Pyridine	210	U	210	380	500	ug/Kg
100-52-7	Benzaldehyde	430	U	430	790	970	ug/Kg
62-53-3	Aniline	340	U	340	380	500	ug/Kg
108-95-2	Phenol	220	U	220	380	500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	380	500	ug/Kg
95-57-8	2-Chlorophenol	210	U	210	380	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	240	U	240	380	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	260	U	260	380	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	240	U	240	380	500	ug/Kg
100-51-6	Benzyl Alcohol	290	U	290	790	970	ug/Kg
95-48-7	2-Methylphenol	330	U	330	380	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	380	500	ug/Kg
98-86-2	Acetophenone	250	U	250	380	500	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	320	790	970	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	230	230	ug/Kg
67-72-1	Hexachloroethane	220	U	220	380	500	ug/Kg
98-95-3	Nitrobenzene	220	U	220	380	500	ug/Kg
78-59-1	Isophorone	200	U	200	380	500	ug/Kg
88-75-5	2-Nitrophenol	280	U	280	380	500	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	380	500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	330	U	330	380	500	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	380	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	230	U	230	380	500	ug/Kg
65-85-0	Benzoic acid	630	U	630	790	970	ug/Kg
91-20-3	Naphthalene	240	U	240	380	500	ug/Kg
106-47-8	4-Chloroaniline	310	U	310	380	500	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	250	380	500	ug/Kg
105-60-2	Caprolactam	340	U	340	790	970	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	380	500	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	380	500	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022724
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019898.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	620	U	620	790	970	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	380	500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	260	U	260	380	500	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	380	500	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	250	380	500	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	380	500	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	380	500	ug/Kg
208-96-8	Acenaphthylene	260	U	260	380	500	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	380	500	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	380	500	ug/Kg
83-32-9	Acenaphthene	240	U	240	380	500	ug/Kg
Total PAH	Total PAH	4230	U	4230	380	8000	ug/Kg
51-28-5	2,4-Dinitrophenol	530	U	530	790	970	ug/Kg
100-02-7	4-Nitrophenol	330	U	330	790	970	ug/Kg
132-64-9	Dibenzofuran	230	U	230	380	500	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	380	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	380	500	ug/Kg
84-66-2	Diethylphthalate	250	U	250	380	500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	380	500	ug/Kg
86-73-7	Fluorene	250	U	250	380	500	ug/Kg
100-01-6	4-Nitroaniline	310	U	310	380	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	790	970	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	380	500	ug/Kg
103-33-3	Azobenzene	220	U	220	380	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	290	380	500	ug/Kg
118-74-1	Hexachlorobenzene	290	U	290	380	500	ug/Kg
1912-24-9	Atrazine	280	U	280	380	500	ug/Kg
87-86-5	Pentachlorophenol	330	U	330	790	970	ug/Kg
85-01-8	Phenanthrene	270	U	270	380	500	ug/Kg
120-12-7	Anthracene	300	U	300	380	500	ug/Kg
86-74-8	Carbazole	250	U	250	380	500	ug/Kg
84-74-2	Di-n-butylphthalate	310	U	310	380	500	ug/Kg
206-44-0	Fluoranthene	280	U	280	380	500	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022724
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019898.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	570	U	570	790	970	ug/Kg
129-00-0	Pyrene	250	U	250	380	500	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	380	500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	470	U	470	790	970	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	250	380	500	ug/Kg
218-01-9	Chrysene	250	U	250	380	500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	340	380	500	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	790	970	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	U	240	380	500	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	380	500	ug/Kg
50-32-8	Benzo(a)pyrene	280	U	280	380	500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	310	380	500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	280	380	500	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	380	500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	260	U	260	380	500	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	380	500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	380	500	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	500	500	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.211		18-112		55	SPK: -150
13127-88-3	Phenol-d6	82.674		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	53.871		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	45.74		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.15		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	39.436		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95238	7.893				
1146-65-2	Naphthalene-d8	377466	10.699				
15067-26-2	Acenaphthene-d10	270314	14.54				
1517-22-2	Phenanthrene-d10	610825	17.298				
1719-03-5	Chrysene-d12	517022	21.398				
1520-96-3	Perylene-d12	451153	23.821				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022724
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019898.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	10300	J			3.123	
001115-11-3	2-Butenal, 2-methyl-	300	J			3.746	
000556-82-1	Prenol	1100	J			4.064	
000107-86-8	2-Butenal, 3-methyl-	320	J			4.24	
101660-61-1	Geranyl nitrile	430	J			4.305	
	unknown4.452	370	J			4.452	
000108-11-2	2-Pentanol, 4-methyl-	1800	J			4.634	
000594-61-6	Propanoic acid, 2-hydroxy-2-methyl	1200	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1500	A			5.017	
	unknown5.793	320	J			5.793	
000078-79-5	Isoprene	320	J			6.205	
	unknown6.752	1800	J			6.752	
	unknown7.293	1200	J			7.293	
	unknown7.599	440	J			7.599	
000638-04-0	Cyclohexane, 1,3-dimethyl-, cis-	310	J			8.14	
	unknown8.869	280	J			8.869	
	unknown11.451	260	J			11.451	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	3600	J			13.446	
	unknown14.763	1100	J			14.763	
000057-10-3	n-Hexadecanoic acid	680	J			18.198	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022724
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019899.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	240	U	240	850	1000	ug/Kg
110-86-1	Pyridine	230	U	230	410	530	ug/Kg
100-52-7	Benzaldehyde	470	U	470	850	1000	ug/Kg
62-53-3	Aniline	370	U	370	410	530	ug/Kg
108-95-2	Phenol	230	U	230	410	530	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	410	530	ug/Kg
95-57-8	2-Chlorophenol	230	U	230	410	530	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	410	530	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	410	530	ug/Kg
106-46-7	1,4-Dichlorobenzene	260	U	260	410	530	ug/Kg
100-51-6	Benzyl Alcohol	310	U	310	850	1000	ug/Kg
95-48-7	2-Methylphenol	360	U	360	410	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	330	410	530	ug/Kg
98-86-2	Acetophenone	270	U	270	410	530	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	340	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	250	250	ug/Kg
67-72-1	Hexachloroethane	230	U	230	410	530	ug/Kg
98-95-3	Nitrobenzene	240	U	240	410	530	ug/Kg
78-59-1	Isophorone	210	U	210	410	530	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	410	530	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	410	530	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	350	410	530	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	410	530	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	240	U	240	410	530	ug/Kg
65-85-0	Benzoic acid	670	U	670	850	1000	ug/Kg
91-20-3	Naphthalene	260	U	260	410	530	ug/Kg
106-47-8	4-Chloroaniline	330	U	330	410	530	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	410	530	ug/Kg
105-60-2	Caprolactam	370	U	370	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	410	530	ug/Kg
91-57-6	2-Methylnaphthalene	300	U	300	410	530	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022724
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019899.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	660	U	660	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	410	530	ug/Kg
95-95-4	2,4,5-Trichlorophenol	280	U	280	410	530	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	410	530	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	410	530	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	410	530	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	410	530	ug/Kg
208-96-8	Acenaphthylene	280	U	280	410	530	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	410	530	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	410	530	ug/Kg
83-32-9	Acenaphthene	250	U	250	410	530	ug/Kg
Total PAH	Total PAH	4520	U	4520	410	8480	ug/Kg
51-28-5	2,4-Dinitrophenol	570	U	570	850	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	850	1000	ug/Kg
132-64-9	Dibenzofuran	240	U	240	410	530	ug/Kg
121-14-2	2,4-Dinitrotoluene	310	U	310	410	530	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	590	U	590	410	1060	ug/Kg
84-66-2	Diethylphthalate	270	U	270	410	530	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	410	530	ug/Kg
86-73-7	Fluorene	270	U	270	410	530	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	410	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	290	410	530	ug/Kg
103-33-3	Azobenzene	230	U	230	410	530	ug/Kg
101-55-3	4-Bromophenyl-phenylether	310	U	310	410	530	ug/Kg
118-74-1	Hexachlorobenzene	310	U	310	410	530	ug/Kg
1912-24-9	Atrazine	300	U	300	410	530	ug/Kg
87-86-5	Pentachlorophenol	350	U	350	850	1000	ug/Kg
85-01-8	Phenanthrene	290	U	290	410	530	ug/Kg
120-12-7	Anthracene	320	U	320	410	530	ug/Kg
86-74-8	Carbazole	270	U	270	410	530	ug/Kg
84-74-2	Di-n-butylphthalate	330	U	330	410	530	ug/Kg
206-44-0	Fluoranthene	300	U	300	410	530	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022724
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019899.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	610	U	610	850	1000	ug/Kg
129-00-0	Pyrene	260	U	260	410	530	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	410	530	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	510	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	410	530	ug/Kg
218-01-9	Chrysene	270	U	270	410	530	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	U	360	410	530	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	390	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	250	410	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	410	530	ug/Kg
50-32-8	Benzo(a)pyrene	300	U	300	410	530	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	340	410	530	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	300	U	300	410	530	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	290	410	530	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	410	530	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	410	530	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	260	U	260	410	530	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	530	530	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.803		18-112		57	SPK: -150
13127-88-3	Phenol-d6	89.33		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	57.512		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	54.238		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.36		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	46.195		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99274	7.899				
1146-65-2	Naphthalene-d8	408579	10.699				
15067-26-2	Acenaphthene-d10	308512	14.54				
1517-22-2	Phenanthrene-d10	749718	17.298				
1719-03-5	Chrysene-d12	808586	21.398				
1520-96-3	Perylene-d12	760754	23.821				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022724
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019899.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	12200	J			3.123	
001115-11-3	2-Butenal, 2-methyl-	430	J			3.746	
	unknown3.864	320	J			3.864	
000556-82-1	Prenol	1300	J			4.07	
000107-86-8	2-Butenal, 3-methyl-	440	J			4.24	
	unknown4.452	440	J			4.452	
000108-11-2	2-Pentanol, 4-methyl-	2000	J			4.634	
000594-61-6	Propanoic acid, 2-hydroxy-2-methyl	1300	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1700	A			5.017	
004461-41-0	2-Butene, 2-chloro-	370	J			5.793	
001191-16-8	2-Buten-1-ol, 3-methyl-, acetate	320	J			6.205	
	unknown6.752	890	J			6.752	
	unknown7.293	550	J			7.293	
	unknown7.593	540	J			7.593	
003975-85-7	1H-Pyrazole, 4,5-dihydro-3,5,5-tri	310	J			8.14	
147460-41-1	2-Bromo-5-fluorophenol	630	J			9.805	
	unknown11.452	270	J			11.452	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	860	J			13.44	
000057-10-3	n-Hexadecanoic acid	840	J			18.198	
000057-11-4	Octadecanoic acid	320	J			19.433	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022724
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019900.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5300		240	850	1000	ug/Kg
110-86-1	Pyridine	4200		230	410	540	ug/Kg
100-52-7	Benzaldehyde	1100		470	850	1000	ug/Kg
62-53-3	Aniline	2500		370	410	540	ug/Kg
108-95-2	Phenol	4700		230	410	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4300		280	410	540	ug/Kg
95-57-8	2-Chlorophenol	4700		230	410	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	4500		260	410	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	4700		280	410	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	4700		260	410	540	ug/Kg
100-51-6	Benzyl Alcohol	4300		310	850	1000	ug/Kg
95-48-7	2-Methylphenol	4000		360	410	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4200		330	410	540	ug/Kg
98-86-2	Acetophenone	4200		270	410	540	ug/Kg
65794-96-9	3+4-Methylphenols	3900		340	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	3900		190	250	250	ug/Kg
67-72-1	Hexachloroethane	4700		230	410	540	ug/Kg
98-95-3	Nitrobenzene	4200		240	410	540	ug/Kg
78-59-1	Isophorone	4300		210	410	540	ug/Kg
88-75-5	2-Nitrophenol	4600		300	410	540	ug/Kg
105-67-9	2,4-Dimethylphenol	3000		310	410	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4300		350	410	540	ug/Kg
120-83-2	2,4-Dichlorophenol	4800		250	410	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700		240	410	540	ug/Kg
65-85-0	Benzoic acid	4500		670	850	1000	ug/Kg
91-20-3	Naphthalene	4500		260	410	540	ug/Kg
106-47-8	4-Chloroaniline	2000		330	410	540	ug/Kg
87-68-3	Hexachlorobutadiene	4600		260	410	540	ug/Kg
105-60-2	Caprolactam	4100		370	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4400		260	410	540	ug/Kg
91-57-6	2-Methylnaphthalene	4200		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022724
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019900.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	9300	E	660	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4800		240	410	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4400		280	410	540	ug/Kg
92-52-4	1,1-Biphenyl	4700		290	410	540	ug/Kg
91-58-7	2-Chloronaphthalene	4800		270	410	540	ug/Kg
88-74-4	2-Nitroaniline	4600		310	410	540	ug/Kg
131-11-3	Dimethylphthalate	4200		280	410	540	ug/Kg
208-96-8	Acenaphthylene	4700		280	410	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	4300		280	410	540	ug/Kg
99-09-2	3-Nitroaniline	3400		290	410	540	ug/Kg
83-32-9	Acenaphthene	4500		250	410	540	ug/Kg
Total PAH	Total PAH	73800		4520	410	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	9300	E	570	850	1000	ug/Kg
100-02-7	4-Nitrophenol	9400	E	360	850	1000	ug/Kg
132-64-9	Dibenzofuran	4500		240	410	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	8700		590	410	1080	ug/Kg
121-14-2	2,4-Dinitrotoluene	4400		310	410	540	ug/Kg
84-66-2	Diethylphthalate	4400		270	410	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4400		280	410	540	ug/Kg
86-73-7	Fluorene	4500		270	410	540	ug/Kg
100-01-6	4-Nitroaniline	4000		330	410	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4600		280	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4500		290	410	540	ug/Kg
103-33-3	Azobenzene	4600		230	410	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4500		310	410	540	ug/Kg
118-74-1	Hexachlorobenzene	4800		310	410	540	ug/Kg
1912-24-9	Atrazine	4500		300	410	540	ug/Kg
87-86-5	Pentachlorophenol	7900		350	850	1000	ug/Kg
85-01-8	Phenanthrene	4600		290	410	540	ug/Kg
120-12-7	Anthracene	4500		320	410	540	ug/Kg
86-74-8	Carbazole	4400		270	410	540	ug/Kg
84-74-2	Di-n-butylphthalate	4400		330	410	540	ug/Kg
206-44-0	Fluoranthene	4200		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022724
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019900.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	610	J	610	850	1000	ug/Kg
129-00-0	Pyrene	5100		260	410	540	ug/Kg
85-68-7	Butylbenzylphthalate	4900		320	410	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3200		510	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	4600		260	410	540	ug/Kg
218-01-9	Chrysene	4500		270	410	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4700		360	410	540	ug/Kg
117-84-0	Di-n-octyl phthalate	4500		390	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	5000		250	410	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	5000		280	410	540	ug/Kg
50-32-8	Benzo(a)pyrene	4500		300	410	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4600		340	410	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4500		300	410	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4500		290	410	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4800		280	410	540	ug/Kg
123-91-1	1,4-Dioxane	4400		370	410	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4500		260	410	540	ug/Kg
90-12-0	1-Methylnaphthalene	4200		280	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.831		18-112		75	SPK: -150
13127-88-3	Phenol-d6	96.935		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	61.445		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	56.67		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.474		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	53.269		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	124275	7.899				
1146-65-2	Naphthalene-d8	488358	10.699				
15067-26-2	Acenaphthene-d10	351513	14.54				
1517-22-2	Phenanthrene-d10	777208	17.304				
1719-03-5	Chrysene-d12	660820	21.404				
1520-96-3	Perylene-d12	593481	23.821				



Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022724
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019900.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022724
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019901.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	4900		240	850	1000	ug/Kg
110-86-1	Pyridine	3800		230	410	540	ug/Kg
100-52-7	Benzaldehyde	1200		470	850	1000	ug/Kg
62-53-3	Aniline	2700		370	410	540	ug/Kg
108-95-2	Phenol	5000		230	410	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4400		280	410	540	ug/Kg
95-57-8	2-Chlorophenol	4900		230	410	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	4500		260	410	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	4700		280	410	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	4700		260	410	540	ug/Kg
100-51-6	Benzyl Alcohol	4300		310	850	1000	ug/Kg
95-48-7	2-Methylphenol	4000		360	410	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4300		330	410	540	ug/Kg
98-86-2	Acetophenone	4600		270	410	540	ug/Kg
65794-96-9	3+4-Methylphenols	3900		340	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	3900		190	250	250	ug/Kg
67-72-1	Hexachloroethane	4400		230	410	540	ug/Kg
98-95-3	Nitrobenzene	4600		240	410	540	ug/Kg
78-59-1	Isophorone	4300		210	410	540	ug/Kg
88-75-5	2-Nitrophenol	4700		300	410	540	ug/Kg
105-67-9	2,4-Dimethylphenol	3000		310	410	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4400		350	410	540	ug/Kg
120-83-2	2,4-Dichlorophenol	4900		250	410	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700		240	410	540	ug/Kg
65-85-0	Benzoic acid	4600		670	850	1000	ug/Kg
91-20-3	Naphthalene	4500		260	410	540	ug/Kg
106-47-8	4-Chloroaniline	2000		330	410	540	ug/Kg
87-68-3	Hexachlorobutadiene	4600		260	410	540	ug/Kg
105-60-2	Caprolactam	4000		370	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4500		260	410	540	ug/Kg
91-57-6	2-Methylnaphthalene	4200		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022724
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019901.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	9100	E	660	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4900		240	410	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4500		280	410	540	ug/Kg
92-52-4	1,1-Biphenyl	4800		290	410	540	ug/Kg
91-58-7	2-Chloronaphthalene	4900		270	410	540	ug/Kg
88-74-4	2-Nitroaniline	4700		310	410	540	ug/Kg
131-11-3	Dimethylphthalate	4300		280	410	540	ug/Kg
208-96-8	Acenaphthylene	4900		280	410	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	4400		280	410	540	ug/Kg
99-09-2	3-Nitroaniline	3400		290	410	540	ug/Kg
83-32-9	Acenaphthene	4600		250	410	540	ug/Kg
Total PAH	Total PAH	76400		4520	410	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	9300	E	570	850	1000	ug/Kg
100-02-7	4-Nitrophenol	9500	E	360	850	1000	ug/Kg
132-64-9	Dibenzofuran	4600		240	410	540	ug/Kg
121-14-2	2,4-Dinitrotoluene	4400		310	410	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	8800		590	410	1080	ug/Kg
84-66-2	Diethylphthalate	4300		270	410	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4500		280	410	540	ug/Kg
86-73-7	Fluorene	4500		270	410	540	ug/Kg
100-01-6	4-Nitroaniline	3900		330	410	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4600		280	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4600		290	410	540	ug/Kg
103-33-3	Azobenzene	4700		230	410	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4600		310	410	540	ug/Kg
118-74-1	Hexachlorobenzene	4900		310	410	540	ug/Kg
1912-24-9	Atrazine	4400		300	410	540	ug/Kg
87-86-5	Pentachlorophenol	8000		350	850	1000	ug/Kg
85-01-8	Phenanthrene	4600		290	410	540	ug/Kg
120-12-7	Anthracene	4500		320	410	540	ug/Kg
86-74-8	Carbazole	4400		270	410	540	ug/Kg
84-74-2	Di-n-butylphthalate	4200		330	410	540	ug/Kg
206-44-0	Fluoranthene	4000		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022724
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019901.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	720	J	610	850	1000	ug/Kg
129-00-0	Pyrene	5700		260	410	540	ug/Kg
85-68-7	Butylbenzylphthalate	5000		320	410	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3200		510	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	4600		260	410	540	ug/Kg
218-01-9	Chrysene	4600		270	410	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4500		360	410	540	ug/Kg
117-84-0	Di-n-octyl phthalate	3900		390	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	4900		250	410	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	4600		280	410	540	ug/Kg
50-32-8	Benzo(a)pyrene	4500		300	410	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5300		340	410	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	5200		300	410	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5400		290	410	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5000		280	410	540	ug/Kg
123-91-1	1,4-Dioxane	4200		370	410	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4500		260	410	540	ug/Kg
90-12-0	1-Methylnaphthalene	4200		280	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.186		18-112		74	SPK: -150
13127-88-3	Phenol-d6	102.048		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	65.492		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	59.083		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.27		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	58.9		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122666	7.893				
1146-65-2	Naphthalene-d8	433240	10.699				
15067-26-2	Acenaphthene-d10	301768	14.539				
1517-22-2	Phenanthrene-d10	660003	17.298				
1719-03-5	Chrysene-d12	479518	21.398				
1520-96-3	Perylene-d12	445297	23.821				



Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022724
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019901.D	1	2/20/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241096-COMPOSITE-35N-N-4-01	SDG No.:	BP022724
Lab Sample ID:	P1538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019902.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	240	U	240	830	1000	ug/Kg
110-86-1	Pyridine	220	U	220	400	520	ug/Kg
100-52-7	Benzaldehyde	460	U	460	830	1000	ug/Kg
62-53-3	Aniline	360	U	360	400	520	ug/Kg
108-95-2	Phenol	230	U	230	400	520	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	400	520	ug/Kg
95-57-8	2-Chlorophenol	220	U	220	400	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	250	U	250	400	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	400	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	250	U	250	400	520	ug/Kg
100-51-6	Benzyl Alcohol	300	U	300	830	1000	ug/Kg
95-48-7	2-Methylphenol	350	U	350	400	520	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	320	400	520	ug/Kg
98-86-2	Acetophenone	270	U	270	400	520	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	330	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	250	250	ug/Kg
67-72-1	Hexachloroethane	230	U	230	400	520	ug/Kg
98-95-3	Nitrobenzene	230	U	230	400	520	ug/Kg
78-59-1	Isophorone	210	U	210	400	520	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	400	520	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	400	520	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	350	400	520	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	400	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	240	U	240	400	520	ug/Kg
65-85-0	Benzoic acid	660	U	660	830	1000	ug/Kg
91-20-3	Naphthalene	250	U	250	400	520	ug/Kg
106-47-8	4-Chloroaniline	320	U	320	400	520	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	400	520	ug/Kg
105-60-2	Caprolactam	360	U	360	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	400	520	ug/Kg
91-57-6	2-Methylnaphthalene	290	U	290	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241096-COMPOSITE-35N-N-4-01	SDG No.:	BP022724
Lab Sample ID:	P1538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019902.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	650	U	650	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	400	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	270	400	520	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	400	520	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	400	520	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	400	520	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	400	520	ug/Kg
208-96-8	Acenaphthylene	270	U	270	400	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	400	520	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	400	520	ug/Kg
83-32-9	Acenaphthene	250	U	250	400	520	ug/Kg
Total PAH	Total PAH	4440	U	4440	400	8320	ug/Kg
51-28-5	2,4-Dinitrophenol	560	U	560	830	1000	ug/Kg
100-02-7	4-Nitrophenol	350	U	350	830	1000	ug/Kg
132-64-9	Dibenzofuran	240	U	240	400	520	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	590	U	590	400	1040	ug/Kg
121-14-2	2,4-Dinitrotoluene	310	U	310	400	520	ug/Kg
84-66-2	Diethylphthalate	260	U	260	400	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	400	520	ug/Kg
86-73-7	Fluorene	260	U	260	400	520	ug/Kg
100-01-6	4-Nitroaniline	320	U	320	400	520	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	270	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	290	400	520	ug/Kg
103-33-3	Azobenzene	230	U	230	400	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	300	U	300	400	520	ug/Kg
118-74-1	Hexachlorobenzene	300	U	300	400	520	ug/Kg
1912-24-9	Atrazine	290	U	290	400	520	ug/Kg
87-86-5	Pentachlorophenol	340	U	340	830	1000	ug/Kg
85-01-8	Phenanthrene	290	U	290	400	520	ug/Kg
120-12-7	Anthracene	310	U	310	400	520	ug/Kg
86-74-8	Carbazole	260	U	260	400	520	ug/Kg
84-74-2	Di-n-butylphthalate	320	U	320	400	520	ug/Kg
206-44-0	Fluoranthene	290	U	290	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241096-COMPOSITE-35N-N-4-01	SDG No.:	BP022724
Lab Sample ID:	P1538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019902.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	600	U	600	830	1000	ug/Kg
129-00-0	Pyrene	260	U	260	400	520	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	400	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	500	U	500	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	400	520	ug/Kg
218-01-9	Chrysene	270	U	270	400	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	350	U	350	400	520	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	380	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	250	400	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	U	270	400	520	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	290	400	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	330	400	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	300	U	300	400	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	290	400	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	400	520	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	400	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	260	U	260	400	520	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	520	520	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.852		18-112		68	SPK: -150
13127-88-3	Phenol-d6	86.469		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	55.633		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	48.12		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.848		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	39.609		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95669	7.893				
1146-65-2	Naphthalene-d8	374669	10.698				
15067-26-2	Acenaphthene-d10	277269	14.539				
1517-22-2	Phenanthrene-d10	651988	17.298				
1719-03-5	Chrysene-d12	709334	21.398				
1520-96-3	Perylene-d12	712785	23.821				



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

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241096-COMPOSITE-35N-N-4-01	SDG No.:	BP022724
Lab Sample ID:	P1538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019902.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	550	J			18.198	

Report of Analysis

Client:		Date Collected:	2/12/2024 12:00:00 AM
Project:		Date Received:	2/12/2024 12:00:00 AM
Client Sample ID:	20241105-AMENDED-COMPOSITE-35N-N-4-04	SDG No.:	BP022724
Lab Sample ID:	P1538-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019903.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	190	U	190	660	800	ug/Kg
110-86-1	Pyridine	180	U	180	320	410	ug/Kg
100-52-7	Benzaldehyde	360	U	360	660	800	ug/Kg
62-53-3	Aniline	290	U	290	320	410	ug/Kg
108-95-2	Phenol	180	U	180	320	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	220	U	220	320	410	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	320	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	200	U	200	320	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	220	U	220	320	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	200	U	200	320	410	ug/Kg
100-51-6	Benzyl Alcohol	240	U	240	660	800	ug/Kg
95-48-7	2-Methylphenol	280	U	280	320	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	260	U	260	320	410	ug/Kg
98-86-2	Acetophenone	210	U	210	320	410	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	660	800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	190	190	ug/Kg
67-72-1	Hexachloroethane	180	U	180	320	410	ug/Kg
98-95-3	Nitrobenzene	180	U	180	320	410	ug/Kg
78-59-1	Isophorone	170	U	170	320	410	ug/Kg
88-75-5	2-Nitrophenol	230	U	230	320	410	ug/Kg
105-67-9	2,4-Dimethylphenol	240	U	240	320	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	320	410	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	190	320	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	190	U	190	320	410	ug/Kg
65-85-0	Benzoic acid	520	U	520	660	800	ug/Kg
91-20-3	Naphthalene	200	U	200	320	410	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	320	410	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	200	320	410	ug/Kg
105-60-2	Caprolactam	290	U	290	660	800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	200	320	410	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	230	320	410	ug/Kg

Report of Analysis

Client:		Date Collected:	2/12/2024 12:00:00 AM
Project:		Date Received:	2/12/2024 12:00:00 AM
Client Sample ID:	20241105-AMENDED-COMPOSITE-35N-N-4-04	SDG No.:	BP022724
Lab Sample ID:	P1538-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019903.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	510	U	510	660	800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	190	320	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	210	320	410	ug/Kg
92-52-4	1,1-Biphenyl	220	U	220	320	410	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	210	320	410	ug/Kg
88-74-4	2-Nitroaniline	240	U	240	320	410	ug/Kg
131-11-3	Dimethylphthalate	220	U	220	320	410	ug/Kg
208-96-8	Acenaphthylene	220	U	220	320	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	220	U	220	320	410	ug/Kg
99-09-2	3-Nitroaniline	230	U	230	320	410	ug/Kg
83-32-9	Acenaphthene	200	U	200	320	410	ug/Kg
Total PAH	Total PAH	3520	U	3520	320	6560	ug/Kg
51-28-5	2,4-Dinitrophenol	440	U	440	660	800	ug/Kg
100-02-7	4-Nitrophenol	280	U	280	660	800	ug/Kg
132-64-9	Dibenzofuran	190	U	190	320	410	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	460	U	460	320	820	ug/Kg
121-14-2	2,4-Dinitrotoluene	240	U	240	320	410	ug/Kg
84-66-2	Diethylphthalate	210	U	210	320	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	220	U	220	320	410	ug/Kg
86-73-7	Fluorene	210	U	210	320	410	ug/Kg
100-01-6	4-Nitroaniline	250	U	250	320	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	660	800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	230	U	230	320	410	ug/Kg
103-33-3	Azobenzene	180	U	180	320	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	320	410	ug/Kg
118-74-1	Hexachlorobenzene	240	U	240	320	410	ug/Kg
1912-24-9	Atrazine	230	U	230	320	410	ug/Kg
87-86-5	Pentachlorophenol	270	U	270	660	800	ug/Kg
85-01-8	Phenanthrene	230	U	230	320	410	ug/Kg
120-12-7	Anthracene	250	U	250	320	410	ug/Kg
86-74-8	Carbazole	210	U	210	320	410	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	250	320	410	ug/Kg
206-44-0	Fluoranthene	230	U	230	320	410	ug/Kg

Report of Analysis

Client:		Date Collected:	2/12/2024 12:00:00 AM
Project:		Date Received:	2/12/2024 12:00:00 AM
Client Sample ID:	20241105-AMENDED-COMPOSITE-35N-N-4-04	SDG No.:	BP022724
Lab Sample ID:	P1538-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019903.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	470	U	470	660	800	ug/Kg
129-00-0	Pyrene	200	U	200	320	410	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	250	320	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	390	660	800	ug/Kg
56-55-3	Benzo(a)anthracene	200	U	200	320	410	ug/Kg
218-01-9	Chrysene	210	U	210	320	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	320	410	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	300	660	800	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	U	200	320	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	U	210	320	410	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	230	320	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	320	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240	U	240	320	410	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	230	320	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	220	320	410	ug/Kg
123-91-1	1,4-Dioxane	290	U	290	320	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	200	320	410	ug/Kg
90-12-0	1-Methylnaphthalene	220	U	220	410	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	20.199	*	18-112		13	SPK: -150
13127-88-3	Phenol-d6	34.886		15-107		23	SPK: -150
4165-60-0	Nitrobenzene-d5	49.107		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	48.979		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	8.005	*	10-110		5	SPK: -150
1718-51-0	Terphenyl-d14	57.615		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97079	7.893				
1146-65-2	Naphthalene-d8	388455	10.699				
15067-26-2	Acenaphthene-d10	286261	14.54				
1517-22-2	Phenanthrene-d10	647570	17.298				
1719-03-5	Chrysene-d12	554334	21.398				
1520-96-3	Perylene-d12	487589	23.816				

Report of Analysis

Client:		Date Collected:	2/12/2024 12:00:00 AM
Project:		Date Received:	2/12/2024 12:00:00 AM
Client Sample ID:	20241105-AMENDED-COMPOSITE-35N-N-4-04	SDG No.:	BP022724
Lab Sample ID:	P1538-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019903.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	33700	A			5.04	
004165-61-1	Benzen-d5-amine	410	J			7.199	
000289-16-7	1,2,4-Trithiolane	780	J			9.428	
013882-12-7	S-Methyl methanethiosulfinate	270	J			14.463	
013798-23-7	Hexathiane	170	J			15.157	
	unknown17.075	600	J			17.075	
1000282-98-2	Dichloroacetic acid, heptadecyl es	420	J			21.122	

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241098-COMPOSITE-35N-N-4-03	SDG No.:	BP022724
Lab Sample ID:	P1538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019904.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	220	U	220	770	940	ug/Kg
110-86-1	Pyridine	210	U	210	370	480	ug/Kg
100-52-7	Benzaldehyde	420	U	420	770	940	ug/Kg
62-53-3	Aniline	330	U	330	370	480	ug/Kg
108-95-2	Phenol	210	U	210	370	480	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	250	370	480	ug/Kg
95-57-8	2-Chlorophenol	200	U	200	370	480	ug/Kg
95-50-1	1,2-Dichlorobenzene	230	U	230	370	480	ug/Kg
541-73-1	1,3-Dichlorobenzene	250	U	250	370	480	ug/Kg
106-46-7	1,4-Dichlorobenzene	230	U	230	370	480	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	770	940	ug/Kg
95-48-7	2-Methylphenol	320	U	320	370	480	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	370	480	ug/Kg
98-86-2	Acetophenone	250	U	250	370	480	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	310	770	940	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	230	230	ug/Kg
67-72-1	Hexachloroethane	210	U	210	370	480	ug/Kg
98-95-3	Nitrobenzene	210	U	210	370	480	ug/Kg
78-59-1	Isophorone	190	U	190	370	480	ug/Kg
88-75-5	2-Nitrophenol	270	U	270	370	480	ug/Kg
105-67-9	2,4-Dimethylphenol	280	U	280	370	480	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	320	U	320	370	480	ug/Kg
120-83-2	2,4-Dichlorophenol	220	U	220	370	480	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	220	U	220	370	480	ug/Kg
65-85-0	Benzoic acid	610	U	610	770	940	ug/Kg
91-20-3	Naphthalene	230	U	230	370	480	ug/Kg
106-47-8	4-Chloroaniline	300	U	300	370	480	ug/Kg
87-68-3	Hexachlorobutadiene	240	U	240	370	480	ug/Kg
105-60-2	Caprolactam	330	U	330	770	940	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	230	370	480	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	370	480	ug/Kg

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241098-COMPOSITE-35N-N-4-03	SDG No.:	BP022724
Lab Sample ID:	P1538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019904.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	600	U	600	770	940	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	370	480	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	370	480	ug/Kg
92-52-4	1,1-Biphenyl	260	U	260	370	480	ug/Kg
91-58-7	2-Chloronaphthalene	240	U	240	370	480	ug/Kg
88-74-4	2-Nitroaniline	280	U	280	370	480	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	370	480	ug/Kg
208-96-8	Acenaphthylene	250	U	250	370	480	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	370	480	ug/Kg
99-09-2	3-Nitroaniline	260	U	260	370	480	ug/Kg
83-32-9	Acenaphthene	230	U	230	370	480	ug/Kg
Total PAH	Total PAH	4080	U	4080	370	7680	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	510	770	940	ug/Kg
100-02-7	4-Nitrophenol	320	U	320	770	940	ug/Kg
132-64-9	Dibenzofuran	220	U	220	370	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	370	480	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	540	U	540	370	960	ug/Kg
84-66-2	Diethylphthalate	240	U	240	370	480	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	260	U	260	370	480	ug/Kg
86-73-7	Fluorene	240	U	240	370	480	ug/Kg
100-01-6	4-Nitroaniline	290	U	290	370	480	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	770	940	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	370	480	ug/Kg
103-33-3	Azobenzene	210	U	210	370	480	ug/Kg
101-55-3	4-Bromophenyl-phenylether	280	U	280	370	480	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	370	480	ug/Kg
1912-24-9	Atrazine	270	U	270	370	480	ug/Kg
87-86-5	Pentachlorophenol	310	U	310	770	940	ug/Kg
85-01-8	Phenanthrene	260	U	260	370	480	ug/Kg
120-12-7	Anthracene	290	U	290	370	480	ug/Kg
86-74-8	Carbazole	240	U	240	370	480	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	370	480	ug/Kg
206-44-0	Fluoranthene	270	U	270	370	480	ug/Kg

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241098-COMPOSITE-35N-N-4-03	SDG No.:	BP022724
Lab Sample ID:	P1538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019904.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	550	U	550	770	940	ug/Kg
129-00-0	Pyrene	240	U	240	370	480	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	290	370	480	ug/Kg
91-94-1	3,3-Dichlorobenzidine	460	U	460	770	940	ug/Kg
56-55-3	Benzo(a)anthracene	240	U	240	370	480	ug/Kg
218-01-9	Chrysene	250	U	250	370	480	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	330	370	480	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	770	940	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	230	370	480	ug/Kg
207-08-9	Benzo(k)fluoranthene	250	U	250	370	480	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	270	370	480	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300	U	300	370	480	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	370	480	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	370	480	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	250	370	480	ug/Kg
123-91-1	1,4-Dioxane	330	U	330	370	480	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	370	480	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	480	480	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.609		18-112		64	SPK: -150
13127-88-3	Phenol-d6	76.681		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	46.886		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	40.264		20-109		40	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.999		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	41.308		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98304	7.899				
1146-65-2	Naphthalene-d8	388845	10.699				
15067-26-2	Acenaphthene-d10	276139	14.54				
1517-22-2	Phenanthrene-d10	580783	17.298				
1719-03-5	Chrysene-d12	364091	21.398				
1520-96-3	Perylene-d12	398575	23.816				



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

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241098-COMPOSITE-35N-N-4-03	SDG No.:	BP022724
Lab Sample ID:	P1538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.8
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019904.D	1	2/22/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	380	J			18.198	

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	287	SDG No.:	BP022724
Lab Sample ID:	P1545-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019905.D	1	2/27/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.3	U	49.3	170	210	ug/Kg
110-86-1	Pyridine	46.2	U	46.2	82.9	110	ug/Kg
100-52-7	Benzaldehyde	94.4	U	94.4	170	210	ug/Kg
62-53-3	Aniline	74.6	U	74.6	82.9	110	ug/Kg
108-95-2	Phenol	47.4	U	47.4	82.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.3	U	57.3	82.9	110	ug/Kg
95-57-8	2-Chlorophenol	45.9	U	45.9	82.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.1	U	52.1	82.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.4	U	56.4	82.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.5	U	52.5	82.9	110	ug/Kg
100-51-6	Benzyl Alcohol	63	U	63	170	210	ug/Kg
95-48-7	2-Methylphenol	72.7	U	72.7	82.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67	U	67	82.9	110	ug/Kg
98-86-2	Acetophenone	55.3	U	55.3	82.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	68.9	U	68.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.6	U	37.6	51	51	ug/Kg
67-72-1	Hexachloroethane	46.9	U	46.9	82.9	110	ug/Kg
98-95-3	Nitrobenzene	48	U	48	82.9	110	ug/Kg
78-59-1	Isophorone	43.4	U	43.4	82.9	110	ug/Kg
88-75-5	2-Nitrophenol	60.6	U	60.6	82.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.5	U	63.5	82.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.4	U	71.4	82.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.8	U	49.8	82.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.4	U	49.4	82.9	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	51.9	U	51.9	82.9	110	ug/Kg
106-47-8	4-Chloroaniline	67	U	67	82.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.6	U	53.6	82.9	110	ug/Kg
105-60-2	Caprolactam	74.6	U	74.6	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.6	U	52.6	82.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.5	U	60.5	82.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	287	SDG No.:	BP022724
Lab Sample ID:	P1545-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019905.D	1	2/27/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.2	U	49.2	82.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.1	U	56.1	82.9	110	ug/Kg
92-52-4	1,1-Biphenyl	58.2	U	58.2	82.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.9	U	53.9	82.9	110	ug/Kg
88-74-4	2-Nitroaniline	63.3	U	63.3	82.9	110	ug/Kg
131-11-3	Dimethylphthalate	56.7	U	56.7	82.9	110	ug/Kg
208-96-8	Acenaphthylene	56.4	U	56.4	82.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.4	U	57.4	82.9	110	ug/Kg
99-09-2	3-Nitroaniline	59.6	U	59.6	82.9	110	ug/Kg
83-32-9	Acenaphthene	51.2	U	51.2	82.9	110	ug/Kg
Total PAH	Total PAH	916.3	U	916.3	82.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.7	U	72.7	170	210	ug/Kg
132-64-9	Dibenzofuran	49	U	49	82.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.1	U	121.1	82.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.7	U	63.7	82.9	110	ug/Kg
84-66-2	Diethylphthalate	54.8	U	54.8	82.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.6	U	57.6	82.9	110	ug/Kg
86-73-7	Fluorene	54.1	U	54.1	82.9	110	ug/Kg
100-01-6	4-Nitroaniline	66.3	U	66.3	82.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56	U	56	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.5	U	59.5	82.9	110	ug/Kg
103-33-3	Azobenzene	46.9	U	46.9	82.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.1	U	62.1	82.9	110	ug/Kg
118-74-1	Hexachlorobenzene	63	U	63	82.9	110	ug/Kg
1912-24-9	Atrazine	60.8	U	60.8	82.9	110	ug/Kg
87-86-5	Pentachlorophenol	70.8	U	70.8	170	210	ug/Kg
85-01-8	Phenanthrene	150		59.1	82.9	110	ug/Kg
120-12-7	Anthracene	65	U	65	82.9	110	ug/Kg
86-74-8	Carbazole	54.1	U	54.1	82.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.3	U	66.3	82.9	110	ug/Kg
206-44-0	Fluoranthene	70.8	J	60.2	82.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	287	SDG No.:	BP022724
Lab Sample ID:	P1545-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019905.D	1	2/27/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	54	J	53.4	82.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.7	U	65.7	82.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.5	U	53.5	82.9	110	ug/Kg
218-01-9	Chrysene	55.3	U	55.3	82.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.3	U	73.3	82.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	78.4	U	78.4	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.2	U	51.2	82.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.2	U	56.2	82.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.1	U	60.1	82.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68.2	U	68.2	82.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.5	U	61.5	82.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59	U	59	82.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	82.9	110	ug/Kg
123-91-1	1,4-Dioxane	74.6	U	74.6	82.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.9	U	52.9	82.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.5	U	57.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.71		18-112		80	SPK: -150
13127-88-3	Phenol-d6	100.979		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	53.366		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	80.752		20-109		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.051		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	73.005		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100185	7.893				
1146-65-2	Naphthalene-d8	492755	10.698				
15067-26-2	Acenaphthene-d10	243964	14.539				
1517-22-2	Phenanthrene-d10	452226	17.298				
1719-03-5	Chrysene-d12	374642	21.398				
1520-96-3	Perylene-d12	507430	23.821				

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	287	SDG No.:	BP022724
Lab Sample ID:	P1545-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019905.D	1	2/27/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.552	46.3	J			3.552	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	53.1	A			5.022	
000080-56-8	.alpha.-Pinene	1400	J			6.557	
018172-67-3	Bicyclo[3.1.1]heptane, 6,6-dimethy	370	J			7.316	
000098-55-5	.alpha.-Terpineol	160	J			10.757	
000057-10-3	n-Hexadecanoic acid	390	J			18.198	
000057-11-4	Octadecanoic acid	170	J			19.433	
021956-56-9	Benzene, 1,3-dimethoxy-5-[(1E)-2-p	61.6	J			20.021	
143502-37-8	9H-Pyrido[3,4-b]indole, 7-methoxy-	94.6	J			20.404	
000471-74-9	.delta.8(14)-Isopimaric acid	150	J			20.651	
005835-26-7	Isopimaric acid	120	J			20.962	
001740-19-8	Dehydroabietic acid	530	J			21.092	
018435-45-5	1-Nonadecene	110	J			21.121	
000514-10-3	Abietic acid	290	J			21.339	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	290	J			22.31	

Hit Summary Sheet

SW-846

SDG No.: BP022724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	20240763-COMPOSITE-39N-N-3-01							
P1523-01	20240763-COMPOSITE-	Solid	(-)-10-Camphorsulfonyl chloride	*	740.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Buten-1-ol, 3-methyl-, acetate	*	330.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Butenal, 2-methyl-	*	360.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Butenal, 3-methyl-	*	320.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Hydroxypropiofenone, TMS d	*	240.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Pentanol, 4-methyl-	*	1,800.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	2,100.000	A		
P1523-01	20240763-COMPOSITE-	Solid	3-Hexen-1-ol	*	360.000	J		
P1523-01	20240763-COMPOSITE-	Solid	3-Penten-2-ol	*	10,300.000	J		
P1523-01	20240763-COMPOSITE-	Solid	4-Chloro-3-methylbut-2-en-1-ol	*	430.000	J		
P1523-01	20240763-COMPOSITE-	Solid	n-Hexadecanoic acid	*	710.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Octadecanoic acid	*	360.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Oxalic acid, isobutyl octadecyl es	*	310.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Prenol	*	1,100.000	J		
P1523-01	20240763-COMPOSITE-	Solid	unknown11.451	*	240.000	J		
P1523-01	20240763-COMPOSITE-	Solid	unknown3.864	*	210.000	J		
P1523-01	20240763-COMPOSITE-	Solid	unknown4.693	*	1,000.000	J		
P1523-01	20240763-COMPOSITE-	Solid	unknown5.793	*	300.000	J		
P1523-01	20240763-COMPOSITE-	Solid	unknown6.752	*	320.000	J		
P1523-01	20240763-COMPOSITE-	Solid	unknown8.140	*	310.000	J		
Total Tics :					21,840.00			
Total Concentration:					21,840.00			
Client ID :	20240764-COMPOSITE-39N-N-3-02							
P1523-02	20240764-COMPOSITE-	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	3,600.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Butenal, 2-methyl-	*	300.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Butenal, 3-methyl-	*	320.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Pentanol, 4-methyl-	*	1,800.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	1,500.000	A		
P1523-02	20240764-COMPOSITE-	Solid	3-Penten-2-ol	*	10,300.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Cyclohexane, 1,3-dimethyl-, cis-	*	310.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Geranyl nitrile	*	430.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Isoprene	*	320.000	J		
P1523-02	20240764-COMPOSITE-	Solid	n-Hexadecanoic acid	*	680.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Prenol	*	1,100.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Propanoic acid, 2-hydroxy-2-meth	*	1,200.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown11.451	*	260.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown14.763	*	1,100.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown4.452	*	370.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown5.793	*	320.000	J		

Hit Summary Sheet SW-846

SDG No.: BP022724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1523-02	20240764-COMPOSITE-	Solid	unknown6.752	*	1,800.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown7.293	*	1,200.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown7.599	*	440.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown8.869	*	280.000	J		
Total Tics :					27,630.00			
Total Concentration:					27,630.00			
Client ID : 20240765-COMPOSITE-39N-N-3-03								
P1523-03	20240765-COMPOSITE-	Solid	1H-Pyrazole, 4,5-dihydro-3,5,5-tri	*	310.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	860.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Bromo-5-fluorophenol	*	630.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Buten-1-ol, 3-methyl-, acetate	*	320.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Butenal, 2-methyl-	*	430.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Butenal, 3-methyl-	*	440.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Butene, 2-chloro-	*	370.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Pentanol, 4-methyl-	*	2,000.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	1,700.000	A		
P1523-03	20240765-COMPOSITE-	Solid	3-Penten-2-ol	*	12,200.000	J		
P1523-03	20240765-COMPOSITE-	Solid	n-Hexadecanoic acid	*	840.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Octadecanoic acid	*	320.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Prenol	*	1,300.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Propanoic acid, 2-hydroxy-2-meth	*	1,300.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown11.452	*	270.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown3.864	*	320.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown4.452	*	440.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown6.752	*	890.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown7.293	*	550.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown7.593	*	540.000	J		
Total Tics :					26,030.00			
Total Concentration:					26,030.00			
Client ID : 20241096-COMPOSITE-35N-N-4-01								
P1538-01	20241096-COMPOSITE-	Solid	n-Hexadecanoic acid	*	550.000	J		
Total Tics :					550.00			
Total Concentration:					550.00			
Client ID : 20241098-COMPOSITE-35N-N-4-03								
P1538-03	20241098-COMPOSITE-	Solid	n-Hexadecanoic acid	*	380.000	J		
Total Tics :					380.00			
Total Concentration:					380.00			
Client ID : 20241105-AMENDED-COMPOSITE-35N-N-4-0								
P1538-12	20241105-AMENDED-C	Solid	1,2,4-Trithiolane	*	780.000	J		
P1538-12	20241105-AMENDED-C	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	33,700.000	A		

Hit Summary Sheet SW-846

SDG No.: BP022724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
P1538-12	20241105-AMENDED-C	Solid	Benzen-d5-amine	*	410.000	J			
P1538-12	20241105-AMENDED-C	Solid	Dichloroacetic acid, heptadecyl es	*	420.000	J			
P1538-12	20241105-AMENDED-C	Solid	Hexathiane	*	170.000	J			
P1538-12	20241105-AMENDED-C	Solid	S-Methyl methanethiosulfinate	*	270.000	J			
P1538-12	20241105-AMENDED-C	Solid	unknown17.075	*	600.000	J			
Total Tics :					36,350.00				
Total Concentration:					36,350.00				
Client ID : 287									
P1545-01	287	Solid	.alpha.-Pinene	*	1,400.000	J			
P1545-01	287	Solid	.alpha.-Terpineol	*	160.000	J			
P1545-01	287	Solid	.delta.8(14)-Isopimaric acid	*	150.000	J			
P1545-01	287	Solid	1,4-Benzenedicarboxylic acid, bis	*	290.000	J			
P1545-01	287	Solid	1-Nonadecene	*	110.000	J			
P1545-01	287	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	53.100	A			
P1545-01	287	Solid	9H-Pyrido[3,4-b]indole, 7-methox	*	94.600	J			
P1545-01	287	Solid	Abietic acid	*	290.000	J			
P1545-01	287	Solid	Benzene, 1,3-dimethoxy-5-[(1E)-2	*	61.600	J			
P1545-01	287	Solid	Bicyclo[3.1.1]heptane, 6,6-dimeth	*	370.000	J			
P1545-01	287	Solid	Dehydroabietic acid	*	530.000	J			
P1545-01	287	Solid	Isopimaric acid	*	120.000	J			
P1545-01	287	Solid	n-Hexadecanoic acid	*	390.000	J			
P1545-01	287	Solid	Octadecanoic acid	*	170.000	J			
P1545-01	287	Solid	unknown3.552	*	46.300	J			
Total Tics :					4,235.60				
P1545-01	287	Solid	Fluoranthene		70.800	J	60.2	110	ug/Kg
P1545-01	287	Solid	Phenanthrene		150.000		59.1	110	ug/Kg
P1545-01	287	Solid	Pyrene		54.000	J	53.4	110	ug/Kg
Total Svoc :					274.80				
Total Concentration:					4,510.40				
Client ID : VNJ-232									
P1585-01	VNJ-232	Solid	1-Tricosene	*	110.000	J			
P1585-01	VNJ-232	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A			
P1585-01	VNJ-232	Solid	n-Hexadecanoic acid	*	300.000	J			
P1585-01	VNJ-232	Solid	Octadecanoic acid	*	88.200	J			
Total Tics :					648.20				
P1585-01	VNJ-232	Solid	Fluoranthene		140.000		65.4	120	ug/Kg
P1585-01	VNJ-232	Solid	Phenanthrene		200.000		64.2	120	ug/Kg
P1585-01	VNJ-232	Solid	Pyrene		98.900	J	58	120	ug/Kg
Total Svoc :					438.90				
Total Concentration:					1,087.10				



Hit Summary Sheet
SW-846

SDG No.: BP022724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022624

SAS No.: BP022624

SDG No.: BP022624

Instrument ID: _____

Calibration Date(s): 2/26/2024 : _____

Calibration Time(s): 13:32 _____

LAB FILE ID:		RRF2.5 = BP019876.D			RRF005 = BP019877.D		RRF010 = BP019878.D	
		RRF020 = BP019879.D			RRF040 = BP019880.D		RRF050 = BP019881.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.546	0.612	0.589	0.568	0.451	0.531	13.3
Pyridine		1.255	1.515	1.493	1.379	1.109	1.289	14.8
2-Fluorophenol		1.197	1.368	1.272	1.183	1.166	1.218	6.9
Benzaldehyde		1.038	1.223	1.141	1.017	0.970	1.036	12.8
Aniline		2.083	2.346	2.280	2.190	2.248	2.225	5.3
Phenol-d6		1.698	1.876	1.857	1.810	1.830	1.814	4.7
Phenol		1.681	1.892	1.861	1.789	1.817	1.809	5.2
bis(2-Chloroethyl)ether		1.374	1.504	1.500	1.406	1.427	1.425	5.7
2-Chlorophenol		1.251	1.351	1.350	1.321	1.314	1.314	3.5
1,2-Dichlorobenzene		1.327	1.426	1.457	1.436	1.388	1.449	8.6
1,3-Dichlorobenzene		1.427	1.438	1.484	1.436	1.408	1.427	2.6
1,4-Dichlorobenzene		1.420	1.463	1.508	1.456	1.427	1.445	2.6
Benzyl Alcohol		1.360	1.496	1.562	1.610	1.628	1.600	10.2
2-Methylphenol		1.130	1.260	1.348	1.346	1.341	1.353	12.3
2,2-oxybis(1-Chloropropane)		1.357	1.437	1.584	1.440	1.447	1.521	12.3
Acetophenone		0.538	0.564	0.660	0.574	0.702	0.621	12.6
3+4-Methylphenols			1.754	1.863	1.887	1.849	1.944	13.6
n-Nitroso-di-n-propylamine	1.096	1.203	1.341	1.425	1.401	1.359	1.370	14.8
Nitrobenzene-d5		0.457	0.462	0.536	0.478	0.566	0.495	8.2
Hexachloroethane		0.496	0.550	0.576	0.566	0.524	0.560	14.1
Nitrobenzene		0.448	0.450	0.518	0.461	0.544	0.480	7.7
Isophorone		0.829	0.844	0.921	0.864	0.862	0.862	3.4
2-Nitrophenol		0.175	0.177	0.196	0.196	0.199	0.192	5.9
2,4-Dimethylphenol		0.294	0.305	0.327	0.322	0.325	0.317	3.9
bis(2-Chloroethoxy)methane		0.481	0.481	0.506	0.486	0.469	0.481	2.6
2,4-Dichlorophenol		0.324	0.332	0.364	0.363	0.365	0.353	5.3
1,2,4-Trichlorobenzene		0.379	0.383	0.403	0.392	0.389	0.388	3.3
Benzoic acid		0.220	0.246	0.271	0.278	0.283	0.268	9.8
Naphthalene		1.053	1.055	1.118	1.079	1.070	1.071	2.3
4-Chloroaniline		0.453	0.465	0.503	0.500	0.495	0.487	4.2
Hexachlorobutadiene		0.280	0.278	0.295	0.286	0.285	0.282	4.0
Caprolactam		0.117	0.129	0.132	0.133	0.131	0.130	4.7
4-Chloro-3-methylphenol		0.406	0.422	0.448	0.448	0.441	0.436	3.7
2-Methylnaphthalene		0.814	0.811	0.861	0.842	0.825	0.831	2.6
Hexachlorocyclopentadiene		0.276	0.307	0.359	0.373	0.387	0.354	12.8
2,4,6-Trichlorophenol		0.411	0.425	0.467	0.454	0.475	0.451	5.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022624

SAS No.: BP022624

SDG No.: BP022624

Instrument ID: _____

Calibration Date(s): 2/26/2024 : _____

Calibration Time(s): 13:32 _____

LAB FILE ID:		RRF2.5 = BP019876.D			RRF005 = BP019877.D		RRF010 = BP019878.D	
		RRF020 = BP019879.D			RRF040 = BP019880.D		RRF050 = BP019881.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.472	1.465	1.516	1.485	1.494	1.480	2.3
2,4,5-Trichlorophenol		0.478	0.525	0.555	0.543	0.560	0.537	5.6
1,1-Biphenyl		1.401	1.402	1.482	1.439	1.441	1.432	2.1
2-Chloronaphthalene		1.081	1.090	1.143	1.115	1.133	1.112	2.1
2-Nitroaniline		0.354	0.383	0.415	0.414	0.412	0.402	6.2
Dimethylphthalate		1.601	1.643	1.671	1.652	1.624	1.633	1.8
Acenaphthylene		1.735	1.782	1.851	1.812	1.802	1.801	2.2
2,6-Dinitrotoluene		0.327	0.344	0.362	0.355	0.360	0.351	3.7
3-Nitroaniline		0.297	0.345	0.354	0.358	0.357	0.348	6.7
Acenaphthene		1.071	1.074	1.103	1.091	1.081	1.081	1.7
2,4-Dinitrophenol			0.189	0.214	0.236	0.246	0.229	10.1
4-Nitrophenol		0.206	0.258	0.285	0.294	0.289	0.272	11.6
Dibenzofuran		1.810	1.852	1.895	1.880	1.882	1.845	4.2
2,4-Dinitrotoluene		0.437	0.493	0.515	0.518	0.526	0.500	6.8
Diethylphthalate		1.581	1.666	1.718	1.662	1.643	1.613	7.8
4-Chlorophenyl-phenylether		0.857	0.858	0.880	0.872	0.898	0.856	7.7
Fluorene		1.473	1.541	1.558	1.528	1.551	1.497	7.7
4-Nitroaniline		0.309	0.359	0.384	0.389	0.387	0.362	9.7
4,6-Dinitro-2-methylphenol		0.100	0.123	0.139	0.145	0.146	0.136	13.5
n-Nitrosodiphenylamine		0.574	0.559	0.590	0.584	0.573	0.574	2.1
Azobenzene		1.499	1.569	1.627	1.560	1.513	1.502	8.9
2,4,6-Tribromophenol		0.308	0.330	0.345	0.356	0.375	0.343	9.5
4-Bromophenyl-phenylether		0.239	0.237	0.255	0.249	0.251	0.247	3.1
Hexachlorobenzene		0.258	0.253	0.269	0.269	0.275	0.267	3.6
Atrazine		0.221	0.237	0.250	0.247	0.243	0.240	4.3
Pentachlorophenol		0.161	0.177	0.200	0.207	0.211	0.197	10.4
Phenanthrene		1.048	1.040	1.109	1.085	1.069	1.068	2.7
Anthracene		1.054	1.065	1.132	1.112	1.096	1.090	3.0
Carbazole		0.890	0.949	1.011	0.990	0.983	0.965	4.3
Di-n-butylphthalate		1.128	1.231	1.289	1.255	1.201	1.207	5.4
Fluoranthene		1.271	1.358	1.439	1.438	1.425	1.385	4.9
Benzidine		0.482	0.520	0.598	0.638	0.642	0.574	10.3
Pyrene		1.534	1.331	1.392	1.355	1.337	1.374	5.6
Terphenyl-d14		1.398	1.228	1.267	1.240	1.250	1.269	4.9
Butylbenzylphthalate		0.550	0.561	0.585	0.553	0.532	0.549	3.9
3,3-Dichlorobenzidine		0.491	0.534	0.573	0.548	0.549	0.544	5.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022624

SAS No.: BP022624

SDG No.: BP022624

Instrument ID: _____

Calibration Date(s): 2/26/2024 : _____

Calibration Time(s): 13:32 _____

LAB FILE ID:		RRF2.5 = BP019876.D			RRF005 = BP019877.D		RRF010 = BP019878.D	
		RRF020 = BP019879.D			RRF040 = BP019880.D		RRF050 = BP019881.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.381	1.466	1.423	1.417	1.420	2.2
Chrysene		1.324	1.310	1.378	1.323	1.325	1.330	1.9
Bis(2-ethylhexyl)phthalate		0.745	0.823	0.855	0.802	0.762	0.789	5.4
Di-n-octyl phthalate		1.137	1.385	1.458	1.347	1.284	1.313	8.0
Benzo(b)fluoranthene		1.220	1.218	1.246	1.201	1.244	1.226	1.7
Benzo(k)fluoranthene		1.185	1.148	1.246	1.238	1.168	1.203	3.1
Benzo(a)pyrene		1.121	1.137	1.209	1.192	1.171	1.172	2.8
Indeno(1,2,3-cd)pyrene		1.286	1.359	1.462	1.449	1.408	1.408	4.6
Dibenzo(a,h)anthracene		1.082	1.136	1.232	1.212	1.184	1.184	4.7
Benzo(g,h,i)perylene		1.052	1.099	1.191	1.180	1.142	1.143	4.4
1,2,4,5-Tetrachlorobenzene		0.645	0.663	0.703	0.687	0.711	0.683	4.0
1,4-Dioxane		0.456	0.456	0.444	0.421	0.329	0.421	12.7
2,3,4,6-Tetrachlorophenol		0.459	0.477	0.514	0.509	0.526	0.493	7.3
1-Methylnaphthalene		0.777	0.772	0.809	0.790	0.773	0.787	2.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 27 2024 12:00AMLab File ID: BP019880.D Time Analyzed: 10:12Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	75105	7.899	323052	10.70	252828	14.55
	UPPER LIMIT	150210	8.399	646104	11.204	505656	15.045
	LOWER LIMIT	37552.5	7.399	161526	10.204	126414	14.045
	EPA SAMPLE NO.						
01	PB159278BL	102936	7.90	355894	10.70	260199	14.54
02	PB159278BS	113662	7.90	371822	10.70	238771	14.54
03	PB159140BL	97021	7.90	495993	10.70	343902	14.54
04	PB159140BS	90997	7.90	356872	10.70	235427	14.54
05	337	73649	7.90	263294	10.70	170639	14.54
06	LKWD-BACKFILL-16	84063	7.90	317641	10.70	229616	14.54
07	VNJ-232	88571	7.90	332068	10.70	219848	14.54
08	VNJ-232MS	96918	7.90	364772	10.70	233345	14.54
09	VNJ-232MSD	110649	7.90	467510	10.70	293867	14.54
10	20240763-COMPOSITE-39N-N-3-01	106421	7.89	421639	10.70	299960	14.54
11	20240764-COMPOSITE-39N-N-3-02	95238	7.89	377466	10.70	270314	14.54
12	20240765-COMPOSITE-39N-N-3-03	99274	7.90	408579	10.70	308512	14.54
13	20240765-COMPOSITE-39N-N-3-03M	124275	7.90	488358	10.70	351513	14.54
14	20240765-COMPOSITE-39N-N-3-03M	122666	7.89	433240	10.70	301768	14.54
15	20241096-COMPOSITE-35N-N-4-01	95669	7.89	374669	10.70	277269	14.54
16	20241105-AMENDED-COMPOSITE-35N	97079	7.89	388455	10.70	286261	14.54
17	20241098-COMPOSITE-35N-N-4-03	98304	7.90	388845	10.70	276139	14.54
18	287	100185	7.89	492755	10.70	243964	14.54

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 19:58

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	75105	7.899	323052	10.70	252828	14.55
UPPER LIMIT	150210	8.399	646104	11.204	505656	15.045
LOWER LIMIT	37552.5	7.399	161526	10.204	126414	14.045
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 27 2024 12:00AMLab File ID: BP019887.D Time Analyzed: 10:12Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	86547	7.899	359032	10.70	270982	14.54
	UPPER LIMIT	173094	8.399	718064	11.199	541964	15.04
	LOWER LIMIT	43273.5	7.399	179516	10.199	135491	14.04
	EPA SAMPLE NO.						
01	PB159278BL	102936	7.90	355894	10.70	260199	14.54
02	PB159278BS	113662	7.90	371822	10.70	238771	14.54
03	PB159140BL	97021	7.90	495993	10.70	343902	14.54
04	PB159140BS	90997	7.90	356872	10.70	235427	14.54
05	337	73649	7.90	263294	10.70	170639	14.54
06	LKWD-BACKFILL-16	84063	7.90	317641	10.70	229616	14.54
07	VNJ-232	88571	7.90	332068	10.70	219848	14.54
08	VNJ-232MS	96918	7.90	364772	10.70	233345	14.54
09	VNJ-232MSD	110649	7.90	467510	10.70	293867	14.54
10	20240763-COMPOSITE-39N-N-3-01	106421	7.89	421639	10.70	299960	14.54
11	20240764-COMPOSITE-39N-N-3-02	95238	7.89	377466	10.70	270314	14.54
12	20240765-COMPOSITE-39N-N-3-03	99274	7.90	408579	10.70	308512	14.54
13	20240765-COMPOSITE-39N-N-3-03M	124275	7.90	488358	10.70	351513	14.54
14	20240765-COMPOSITE-39N-N-3-03M	122666	7.89	433240	10.70	301768	14.54
15	20241096-COMPOSITE-35N-N-4-01	95669	7.89	374669	10.70	277269	14.54
16	20241105-AMENDED-COMPOSITE-35N	97079	7.89	388455	10.70	286261	14.54
17	20241098-COMPOSITE-35N-N-4-03	98304	7.90	388845	10.70	276139	14.54
18	287	100185	7.89	492755	10.70	243964	14.54

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BP019887.D Time Analyzed: 19:58

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	86547	7.899	359032	10.70	270982	14.54
UPPER LIMIT	173094	8.399	718064	11.199	541964	15.04
LOWER LIMIT	43273.5	7.399	179516	10.199	135491	14.04
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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 10:12

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	597743	17.304	649106	21.41	719602	23.833
UPPER LIMIT	1195486	17.804	1298212	21.91	1439204	24.333
LOWER LIMIT	298871.5	16.804	324553	20.91	359801	23.333
EPA SAMPLE NO.						
01 PB159278BL	645210	17.30	648819	21.40	682051	23.82
02 PB159278BS	465574	17.30	346849	21.40	336734 *	23.82
03 PB159140BL	818701	17.30	752933	21.40	715651	23.82
04 PB159140BS	474849	17.30	341149	21.40	333884 *	23.82
05 337	332845	17.30	324183 *	21.40	401430	23.82
06 LKWD-BACKFILL-16	480227	17.30	376419	21.40	408793	23.82
07 VNJ-232	414483	17.30	350444	21.40	448168	23.82
08 VNJ-232MS	430680	17.30	297425 *	21.40	375436	23.82
09 VNJ-232MSD	532091	17.30	368289	21.40	454038	23.82
10 20240763-COMPOSITE-39N-N-3	652853	17.30	500181	21.40	499566	23.82
11 20240764-COMPOSITE-39N-N-3	610825	17.30	517022	21.40	451153	23.82
12 20240765-COMPOSITE-39N-N-3	749718	17.30	808586	21.40	760754	23.82
13 20240765-COMPOSITE-39N-N-3	777208	17.30	660820	21.40	593481	23.82
14 20240765-COMPOSITE-39N-N-3	660003	17.30	479518	21.40	445297	23.82
15 20241096-COMPOSITE-35N-N-4	651988	17.30	709334	21.40	712785	23.82
16 20241105-AMENDED-COMPOSITE	647570	17.30	554334	21.40	487589	23.82
17 20241098-COMPOSITE-35N-N-4	580783	17.30	364091	21.40	398575	23.82
18 287	452226	17.30	374642	21.40	507430	23.82

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 19:58

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	597743	17.304	649106	21.41	719602	23.833
UPPER LIMIT	1195486	17.804	1298212	21.91	1439204	24.333
LOWER LIMIT	298871.5	16.804	324553	20.91	359801	23.333
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.: BP022724 SAS No.: BP022724 SDG NO.: BP022724

EPA Sample No.: SSTDCCC040

Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BP019887.D

Time Analyzed: 10:12

Instrument ID: BNA_P

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	624074	17.304	582099	21.404	499793	23.827
UPPER LIMIT	1248148	17.804	1164198	21.904	999586	24.327
LOWER LIMIT	312037	16.804	291049.5	20.904	249896.5	23.327
EPA SAMPLE NO.						
01 PB159278BL	645210	17.30	648819	21.40	682051	23.82
02 PB159278BS	465574	17.30	346849	21.40	336734	23.82
03 PB159140BL	818701	17.30	752933	21.40	715651	23.82
04 PB159140BS	474849	17.30	341149	21.40	333884	23.82
05 337	332845	17.30	324183	21.40	401430	23.82
06 LKWD-BACKFILL-16	480227	17.30	376419	21.40	408793	23.82
07 VNJ-232	414483	17.30	350444	21.40	448168	23.82
08 VNJ-232MS	430680	17.30	297425	21.40	375436	23.82
09 VNJ-232MSD	532091	17.30	368289	21.40	454038	23.82
10 20240763-COMPOSITE-39N-N-3	652853	17.30	500181	21.40	499566	23.82
11 20240764-COMPOSITE-39N-N-3	610825	17.30	517022	21.40	451153	23.82
12 20240765-COMPOSITE-39N-N-3	749718	17.30	808586	21.40	760754	23.82
13 20240765-COMPOSITE-39N-N-3	777208	17.30	660820	21.40	593481	23.82
14 20240765-COMPOSITE-39N-N-3	660003	17.30	479518	21.40	445297	23.82
15 20241096-COMPOSITE-35N-N-4	651988	17.30	709334	21.40	712785	23.82
16 20241105-AMENDED-COMPOSITE	647570	17.30	554334	21.40	487589	23.82
17 20241098-COMPOSITE-35N-N-4	580783	17.30	364091	21.40	398575	23.82
18 287	452226	17.30	374642	21.40	507430	23.82

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022724 SAS No.: BP022724 SDG NO.: BP022724

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BP019887.D Time Analyzed: 19:58

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	624074	17.304	582099	21.404	499793	23.827
UPPER LIMIT	1248148	17.804	1164198	21.904	999586	24.327
LOWER LIMIT	312037	16.804	291049.5	20.904	249896.5	23.327
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.



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

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159140BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103		
	Pyridine	1700	1100	ug/Kg	65				28	98		
	Benzaldehyde	1700	440	ug/Kg	26				10	147		
	Aniline	1700	810	ug/Kg	48				38	100		
	Phenol	1700	1500	ug/Kg	88				62	112		
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101		
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112		
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99		
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100		
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116		
	2-Methylphenol	1700	1300	ug/Kg	76				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100		
	Acetophenone	1700	1300	ug/Kg	76				55	104		
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111		
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95		
	Hexachloroethane	1700	1600	ug/Kg	94				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1300	ug/Kg	76				59	99		
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111		
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105		
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107		
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110		
	Benzoic acid	1700	1500	ug/Kg	88				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	620	ug/Kg	36				16	100		
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98		
	Caprolactam	1700	1100	ug/Kg	65		*		67	110		
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	4100	ug/Kg	124				45	134		
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102		
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98		
	1,1-Biphenyl	1700	1700	ug/Kg	100				57	103		
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		58	99		
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99		
	Acenaphthylene	1700	1600	ug/Kg	94				63	101		
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104		
	3-Nitroaniline	1700	820	ug/Kg	48				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH	27200	25300	ug/Kg	93				57	104		
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128		
	4-Nitrophenol	3300	2700	ug/Kg	82				48	119		
	Dibenzofuran	1700	1500	ug/Kg	88				63	99		



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

SDG No.: BP022724

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159140BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2800	ug/Kg	82				60	106	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100		*		55	99	
	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	1300	ug/Kg	76				67	113	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	1000	ug/Kg	30				10	98	
	Pyrene	1700	1800	ug/Kg	106		*		59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106		*		53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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

SDG No.: BP022724

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159278BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76					57	103	
	Pyridine	1700	870	ug/Kg	51					28	98	
	Benzaldehyde	1700	460	ug/Kg	27					10	147	
	Aniline	1700	820	ug/Kg	48					38	100	
	Phenol	1700	1600	ug/Kg	94					62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82					60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94					65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88					51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94					52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94					52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82					42	116	
	2-Methylphenol	1700	1400	ug/Kg	82					61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76					51	100	
	Acetophenone	1700	1600	ug/Kg	94					55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76					58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71					63	95	
	Hexachloroethane	1700	1400	ug/Kg	82					72	108	
	Nitrobenzene	1700	1400	ug/Kg	82					57	101	
	Isophorone	1700	1300	ug/Kg	76					59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88					61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76					67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82					53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94					62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94					44	110	
	Benzoic acid	1700	1400	ug/Kg	82					10	140	
	Naphthalene	1700	1500	ug/Kg	88					62	100	
	4-Chloroaniline	1700	610	ug/Kg	36					16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94					53	98	
	Caprolactam	1700	1100	ug/Kg	65			*		67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76					58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76					60	104	
	Hexachlorocyclopentadiene	3300	4200	ug/Kg	127					45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100					59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88					61	98	
	1,1-Biphenyl	1700	1700	ug/Kg	100					57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100			*		58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82					66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82					61	99	
	Acenaphthylene	1700	1600	ug/Kg	94					63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82					61	104	
	3-Nitroaniline	1700	810	ug/Kg	48					28	100	
	Acenaphthene	1700	1500	ug/Kg	88					57	104	
	Total PAH	27200	25200	ug/Kg	93					57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88					37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79					48	119	
	Dibenzofuran	1700	1500	ug/Kg	88					63	99	



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

SDG No.: BP022724

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159278BS	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2700	ug/Kg	79				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1100	ug/Kg	65				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100		*		55	99	
	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	1300	ug/Kg	76				67	113	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	1000	ug/Kg	30				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106		*		53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159140BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022724SAS No.: BP022724 SDG NO.: BP022724Lab File ID: BP019890.DLab Sample ID: PB159140BLInstrument ID: BNA_PDate Extracted: 02/20/2024Matrix: (soil/water) SolidDate Analyzed: 02/27/2024Level: (low/med) LOWTime Analyzed: 11:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159140BS	PB159140BS	BP019891.D	02/27/2024
20240763-COMPOSITE-39N-N-3-01	P1523-01	BP019897.D	02/27/2024
20240764-COMPOSITE-39N-N-3-02	P1523-02	BP019898.D	02/27/2024
20240765-COMPOSITE-39N-N-3-03	P1523-03	BP019899.D	02/27/2024
20240765-COMPOSITE-39N-N-3-03MS	P1523-04MS	BP019900.D	02/27/2024
20240765-COMPOSITE-39N-N-3-03MSD	P1523-05MSD	BP019901.D	02/27/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20241096-COMPOSITE-

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BP022724

SAS No.: BP022724 SDG NO.: BP022724

Lab File ID: BP019902.D

Lab Sample ID: P1538-01

Instrument ID: BNA_P

Date Extracted: 02/22/2024

Matrix: (soil/water) Solid

Date Analyzed: 02/27/2024

Level: (low/med) LOW

Time Analyzed: 18:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20241096-COMPOSITE-35N-N-4-01	P1538-01	BP019902.D	02/27/2024
20241105-AMENDED-COMPOSITE-35N-N-	P1538-12	BP019903.D	02/27/2024
20241098-COMPOSITE-35N-N-4-03	P1538-03	BP019904.D	02/27/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159278BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022724SAS No.: BP022724 SDG NO.: BP022724Lab File ID: BP019888.DLab Sample ID: PB159278BLInstrument ID: BNA_PDate Extracted: 02/26/2024Matrix: (soil/water) SolidDate Analyzed: 02/27/2024Level: (low/med) LOWTime Analyzed: 10:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159278BS	PB159278BS	BP019889.D	02/27/2024
337	P1586-01	BP019892.D	02/27/2024
LKWD-BACKFILL-16	P1564-15	BP019893.D	02/27/2024
VNJ-232	P1585-01	BP019894.D	02/27/2024
VNJ-232MS	P1585-01MS	BP019895.D	02/27/2024
VNJ-232MSD	P1585-01MSD	BP019896.D	02/27/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

287

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022724SAS No.: BP022724 SDG NO.: BP022724Lab File ID: BP019905.DLab Sample ID: P1545-01Instrument ID: BNA_PDate Extracted: 02/27/2024Matrix: (soil/water) SolidDate Analyzed: 02/27/2024Level: (low/med) LOWTime Analyzed: 19:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
287	P1545-01	BP019905.D	02/27/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	P1523-04MS	Client Sample ID:	20240765-COMPOSITE-39N-N-3-03M		DataFile:		BP019900.D				
n-Nitrosodimethylamine	5200		5300	ug/Kg	102				66	124	
Pyridine	5200		4200	ug/Kg	81				45	119	
Benzaldehyde	5200		1100	ug/Kg	21	*			26	163	
Aniline	5200		2500	ug/Kg	48				10	88	
Phenol	5200		4700	ug/Kg	90				67	126	
bis(2-Chloroethyl)ether	5200		4300	ug/Kg	83				74	116	
2-Chlorophenol	5200		4700	ug/Kg	90				61	138	
1,2-Dichlorobenzene	5200		4500	ug/Kg	87				61	105	
1,3-Dichlorobenzene	5200		4700	ug/Kg	90				62	101	
1,4-Dichlorobenzene	5200		4700	ug/Kg	90				63	104	
Benzyl Alcohol	5200		4300	ug/Kg	83				47	126	
2-Methylphenol	5200		4000	ug/Kg	77				66	122	
2,2-oxybis(1-Chloropropane)	5200		4200	ug/Kg	81				52	115	
Acetophenone	5200		4200	ug/Kg	81				75	111	
3+4-Methylphenols	5200		3900	ug/Kg	75				53	132	
N-Nitroso-di-n-propylamine	5200		3900	ug/Kg	75				59	119	
Hexachloroethane	5200		4700	ug/Kg	90				65	117	
Nitrobenzene	5200		4200	ug/Kg	81				70	119	
Isophorone	5200		4300	ug/Kg	83				76	122	
2-Nitrophenol	5200		4600	ug/Kg	88				54	145	
2,4-Dimethylphenol	5200		3000	ug/Kg	58	*			83	144	
bis(2-Chloroethoxy)methane	5200		4300	ug/Kg	83				68	112	
2,4-Dichlorophenol	5200		4800	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	5200		4700	ug/Kg	90				57	103	
Benzoic acid	5200		4500	ug/Kg	87				50	104	
Naphthalene	5200		4500	ug/Kg	87				72	110	
4-Chloroaniline	5200		2000	ug/Kg	38				10	100	
Hexachlorobutadiene	5200		4600	ug/Kg	88				66	114	
Caprolactam	5200		4100	ug/Kg	79				51	134	
4-Chloro-3-methylphenol	5200		4400	ug/Kg	85				57	132	
2-Methylnaphthalene	5200		4200	ug/Kg	81				59	123	
Hexachlorocyclopentadiene	10500		9300	ug/Kg	89				10	175	
2,4,6-Trichlorophenol	5200		4800	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	5200		4400	ug/Kg	85				72	117	
1,1-Biphenyl	5200		4700	ug/Kg	90				75	113	
2-Chloronaphthalene	5200		4800	ug/Kg	92				67	118	
2-Nitroaniline	5200		4600	ug/Kg	88				69	127	
Dimethylphthalate	5200		4200	ug/Kg	81				70	113	
Acenaphthylene	5200		4700	ug/Kg	90				79	118	
2,6-Dinitrotoluene	5200		4300	ug/Kg	83				70	125	
3-Nitroaniline	5200		3400	ug/Kg	65				20	111	
Acenaphthene	5200		4500	ug/Kg	87				70	121	
Total PAH	83200		73800	ug/Kg	89				70	121	
2,4-Dinitrophenol	10500		9300	ug/Kg	89				16	160	
4-Nitrophenol	10500		9400	ug/Kg	90				45	133	
Dibenzofuran	5200		4500	ug/Kg	87				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	10400		8700	ug/Kg	84				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	5200		4400	ug/Kg	85				55	128	
Diethylphthalate	5200		4400	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	5200		4400	ug/Kg	85				71	108	
Fluorene	5200		4500	ug/Kg	87				68	116	
4-Nitroaniline	5200		4000	ug/Kg	77				55	120	
4,6-Dinitro-2-methylphenol	5200		4600	ug/Kg	88				32	145	
N-Nitrosodiphenylamine	5200		4500	ug/Kg	87				73	118	
Azobenzene	5200		4600	ug/Kg	88				73	110	
4-Bromophenyl-phenylether	5200		4500	ug/Kg	87				65	121	
Hexachlorobenzene	5200		4800	ug/Kg	92				67	118	
Atrazine	5200		4500	ug/Kg	87				79	127	
Pentachlorophenol	10500		7900	ug/Kg	75				47	128	
Phenanthrene	5200		4600	ug/Kg	88				72	113	
Anthracene	5200		4500	ug/Kg	87				62	124	
Carbazole	5200		4400	ug/Kg	85				59	119	
Di-n-butylphthalate	5200		4400	ug/Kg	85				69	118	
Fluoranthene	5200		4200	ug/Kg	81				59	125	
Benzidine	10500		610	ug/Kg	6	*			10	119	
Pyrene	5200		5100	ug/Kg	98				52	128	
Butylbenzylphthalate	5200		4900	ug/Kg	94				64	126	
3,3-Dichlorobenzidine	5200		3200	ug/Kg	62				10	164	
Benzo(a)anthracene	5200		4600	ug/Kg	88				71	114	
Chrysene	5200		4500	ug/Kg	87				57	121	
bis(2-Ethylhexyl)phthalate	5200		4700	ug/Kg	90				66	127	
Di-n-octyl phthalate	5200		4500	ug/Kg	87				71	126	
Benzo(b)fluoranthene	5200		5000	ug/Kg	96				67	121	
Benzo(k)fluoranthene	5200		5000	ug/Kg	96				74	114	
Benzo(a)pyrene	5200		4500	ug/Kg	87				70	142	
Indeno(1,2,3-cd)pyrene	5200		4600	ug/Kg	88				61	125	
Dibenz(a,h)anthracene	5200		4500	ug/Kg	87				67	130	
Benzo(g,h,i)perylene	5200		4500	ug/Kg	87				53	140	
1,2,4,5-Tetrachlorobenzene	5200		4800	ug/Kg	92				69	124	
1,4-Dioxane	5200		4400	ug/Kg	85				46	112	
2,3,4,6-Tetrachlorophenol	5200		4500	ug/Kg	87				56	133	
1-Methylnaphthalene	5200		4200	ug/Kg	81				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1523-05MSD	Client Sample ID:	20240765-COMPOSITE-39N-N-3-03M				DataFile:	BP019901.D			
n-Nitrosodimethylamine	5300		4900	ug/Kg	92		10		66	124	20
Pyridine	5300		3800	ug/Kg	72		12		45	119	20
Benzaldehyde	5300		1200	ug/Kg	23	*	9		26	163	20
Aniline	5300		2700	ug/Kg	51		6		10	88	20
Phenol	5300		5000	ug/Kg	94		4		67	126	20
bis(2-Chloroethyl)ether	5300		4400	ug/Kg	83		0		74	116	20
2-Chlorophenol	5300		4900	ug/Kg	92		2		61	138	20
1,2-Dichlorobenzene	5300		4500	ug/Kg	85		2		61	105	20
1,3-Dichlorobenzene	5300		4700	ug/Kg	89		1		62	101	20
1,4-Dichlorobenzene	5300		4700	ug/Kg	89		1		63	104	20
Benzyl Alcohol	5300		4300	ug/Kg	81		2		47	126	20
2-Methylphenol	5300		4000	ug/Kg	75		3		66	122	20
2,2-oxybis(1-Chloropropane)	5300		4300	ug/Kg	81		0		52	115	20
Acetophenone	5300		4600	ug/Kg	87		7		75	111	20
3+4-Methylphenols	5300		3900	ug/Kg	74		1		53	132	20
N-Nitroso-di-n-propylamine	5300		3900	ug/Kg	74		1		59	119	20
Hexachloroethane	5300		4400	ug/Kg	83		8		65	117	20
Nitrobenzene	5300		4600	ug/Kg	87		7		70	119	20
Isophorone	5300		4300	ug/Kg	81		2		76	122	20
2-Nitrophenol	5300		4700	ug/Kg	89		1		54	145	20
2,4-Dimethylphenol	5300		3000	ug/Kg	57	*	2		83	144	20
bis(2-Chloroethoxy)methane	5300		4400	ug/Kg	83		0		68	112	20
2,4-Dichlorophenol	5300		4900	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	5300		4700	ug/Kg	89		1		57	103	20
Benzoic acid	5300		4600	ug/Kg	87		0		50	104	20
Naphthalene	5300		4500	ug/Kg	85		2		72	110	20
4-Chloroaniline	5300		2000	ug/Kg	38		0		10	100	20
Hexachlorobutadiene	5300		4600	ug/Kg	87		1		66	114	20
Caprolactam	5300		4000	ug/Kg	75		5		51	134	20
4-Chloro-3-methylphenol	5300		4500	ug/Kg	85		0		57	132	20
2-Methylnaphthalene	5300		4200	ug/Kg	79		3		59	123	20
Hexachlorocyclopentadiene	10500		9100	ug/Kg	87		2		10	175	20
2,4,6-Trichlorophenol	5300		4900	ug/Kg	92		0		72	117	20
2,4,5-Trichlorophenol	5300		4500	ug/Kg	85		0		72	117	20
1,1-Biphenyl	5300		4800	ug/Kg	91		1		75	113	20
2-Chloronaphthalene	5300		4900	ug/Kg	92		0		67	118	20
2-Nitroaniline	5300		4700	ug/Kg	89		1		69	127	20
Dimethylphthalate	5300		4300	ug/Kg	81		0		70	113	20
Acenaphthylene	5300		4900	ug/Kg	92		2		79	118	20
2,6-Dinitrotoluene	5300		4400	ug/Kg	83		0		70	125	20
3-Nitroaniline	5300		3400	ug/Kg	64		2		20	111	20
Acenaphthene	5300		4600	ug/Kg	87		0		70	121	20
Total PAH	84800		76400	ug/Kg	90		1		70	121	20
2,4-Dinitrophenol	10500		9300	ug/Kg	89		0		16	160	20
4-Nitrophenol	10500		9500	ug/Kg	90		0		45	133	20
Dibenzofuran	5300		4600	ug/Kg	87		0		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	10600		8800	ug/Kg	83		1		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	5300		4400	ug/Kg	83		2		55	128	20
Diethylphthalate	5300		4300	ug/Kg	81		5		70	112	20
4-Chlorophenyl-phenylether	5300		4500	ug/Kg	85		0		71	108	20
Fluorene	5300		4500	ug/Kg	85		2		68	116	20
4-Nitroaniline	5300		3900	ug/Kg	74		4		55	120	20
4,6-Dinitro-2-methylphenol	5300		4600	ug/Kg	87		1		32	145	20
N-Nitrosodiphenylamine	5300		4600	ug/Kg	87		0		73	118	20
Azobenzene	5300		4700	ug/Kg	89		1		73	110	20
4-Bromophenyl-phenylether	5300		4600	ug/Kg	87		0		65	121	20
Hexachlorobenzene	5300		4900	ug/Kg	92		0		67	118	20
Atrazine	5300		4400	ug/Kg	83		5		79	127	20
Pentachlorophenol	10500		8000	ug/Kg	76		1		47	128	20
Phenanthrene	5300		4600	ug/Kg	87		1		72	113	20
Anthracene	5300		4500	ug/Kg	85		2		62	124	20
Carbazole	5300		4400	ug/Kg	83		2		59	119	20
Di-n-butylphthalate	5300		4200	ug/Kg	79		7		69	118	20
Fluoranthene	5300		4000	ug/Kg	75		8		59	125	20
Benzidine	10500		720	ug/Kg	7	*	15		10	119	20
Pyrene	5300		5700	ug/Kg	108		10		52	128	20
Butylbenzylphthalate	5300		5000	ug/Kg	94		0		64	126	20
3,3-Dichlorobenzidine	5300		3200	ug/Kg	60		3		10	164	20
Benzo(a)anthracene	5300		4600	ug/Kg	87		1		71	114	20
Chrysene	5300		4600	ug/Kg	87		0		57	121	20
bis(2-Ethylhexyl)phthalate	5300		4500	ug/Kg	85		6		66	127	20
Di-n-octyl phthalate	5300		3900	ug/Kg	74		16		71	126	20
Benzo(b)fluoranthene	5300		4900	ug/Kg	92		4		67	121	20
Benzo(k)fluoranthene	5300		4600	ug/Kg	87		10		74	114	20
Benzo(a)pyrene	5300		4500	ug/Kg	85		2		70	142	20
Indeno(1,2,3-cd)pyrene	5300		5300	ug/Kg	100		13		61	125	20
Dibenz(a,h)anthracene	5300		5200	ug/Kg	98		12		67	130	20
Benzo(g,h,i)perylene	5300		5400	ug/Kg	102		16		53	140	20
1,2,4,5-Tetrachlorobenzene	5300		5000	ug/Kg	94		2		69	124	20
1,4-Dioxane	5300		4200	ug/Kg	79		7		46	112	20
2,3,4,6-Tetrachlorophenol	5300		4500	ug/Kg	85		2		56	133	20
1-Methylnaphthalene	5300		4200	ug/Kg	79		3		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1585-01MS	Client Sample ID:	VNJ-232MS					DataFile:	BP019895.D		
n-Nitrosodimethylamine	1200		970	ug/Kg	81				66	124	
Pyridine	1200		760	ug/Kg	63				45	119	
Benzaldehyde	1200		220	ug/Kg	18	*			26	163	
Aniline	1200		660	ug/Kg	55				10	88	
Phenol	1200		1100	ug/Kg	92				67	126	
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83				74	116	
2-Chlorophenol	1200		1100	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1200		980	ug/Kg	82				61	105	
1,3-Dichlorobenzene	1200		1000	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1200		1000	ug/Kg	83				63	104	
Benzyl Alcohol	1200		840	ug/Kg	70				47	126	
2-Methylphenol	1200		820	ug/Kg	68				66	122	
2,2-oxybis(1-Chloropropane)	1200		810	ug/Kg	68				52	115	
Acetophenone	1200		880	ug/Kg	73	*			75	111	
3+4-Methylphenols	1200		770	ug/Kg	64				53	132	
N-Nitroso-di-n-propylamine	1200		760	ug/Kg	63				59	119	
Hexachloroethane	1200		1000	ug/Kg	83				65	117	
Nitrobenzene	1200		890	ug/Kg	74				70	119	
Isophorone	1200		860	ug/Kg	72	*			76	122	
2-Nitrophenol	1200		980	ug/Kg	82				54	145	
2,4-Dimethylphenol	1200		790	ug/Kg	66	*			83	144	
bis(2-Chloroethoxy)methane	1200		900	ug/Kg	75				68	112	
2,4-Dichlorophenol	1200		1000	ug/Kg	83				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		860	ug/Kg	72				50	104	
Naphthalene	1200		950	ug/Kg	79				72	110	
4-Chloroaniline	1200		230	ug/Kg	19				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		700	ug/Kg	58				51	134	
4-Chloro-3-methylphenol	1200		820	ug/Kg	68				57	132	
2-Methylnaphthalene	1200		870	ug/Kg	73				59	123	
Hexachlorocyclopentadiene	2300		2400	ug/Kg	104				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		930	ug/Kg	78				72	117	
1,1-Biphenyl	1200		1100	ug/Kg	92				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		850	ug/Kg	71				69	127	
Dimethylphthalate	1200		870	ug/Kg	73				70	113	
Acenaphthylene	1200		1000	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1200		890	ug/Kg	74				70	125	
3-Nitroaniline	1200		550	ug/Kg	46				20	111	
Acenaphthene	1200		980	ug/Kg	82				70	121	
Total PAH	19200	0	16420	ug/Kg	86				70	121	
2,4-Dinitrophenol	2300		1700	ug/Kg	74				16	160	
4-Nitrophenol	2300		1600	ug/Kg	70				45	133	
Dibenzofuran	1200		980	ug/Kg	82				72	110	
2,4-Dinitrotoluene	1200		820	ug/Kg	68				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1710	ug/Kg	71				55	128	
Diethylphthalate	1200		830	ug/Kg	69	*			70	112	
4-Chlorophenyl-phenylether	1200		930	ug/Kg	78				71	108	
Fluorene	1200	0	950	ug/Kg	79				68	116	
4-Nitroaniline	1200		710	ug/Kg	59				55	120	
4,6-Dinitro-2-methylphenol	1200		980	ug/Kg	82				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		860	ug/Kg	72	*			73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1100	ug/Kg	92				67	118	
Atrazine	1200		900	ug/Kg	75	*			79	127	
Pentachlorophenol	2300		1800	ug/Kg	78				47	128	
Phenanthrene	1200	200	1100	ug/Kg	75				72	113	
Anthracene	1200		950	ug/Kg	79				62	124	
Carbazole	1200		860	ug/Kg	72				59	119	
Di-n-butylphthalate	1200		830	ug/Kg	69				69	118	
Fluoranthene	1200	140	880	ug/Kg	62				59	125	
Benzidine	2300		940	ug/Kg	41				10	119	
Pyrene	1200	98.9	1200	ug/Kg	92				52	128	
Butylbenzylphthalate	1200		970	ug/Kg	81				64	126	
3,3-Dichlorobenzidine	1200		830	ug/Kg	69				10	164	
Benzo(a)anthracene	1200		1000	ug/Kg	83				71	114	
Chrysene	1200		990	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200		930	ug/Kg	78				66	127	
Di-n-octyl phthalate	1200		920	ug/Kg	77				71	126	
Benzo(b)fluoranthene	1200		960	ug/Kg	80				67	121	
Benzo(k)fluoranthene	1200		920	ug/Kg	77				74	114	
Benzo(a)pyrene	1200		940	ug/Kg	78				70	142	
Indeno(1,2,3-cd)pyrene	1200		1200	ug/Kg	100				61	125	
Dibenz(a,h)anthracene	1200		1200	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	1200		1200	ug/Kg	100				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100				69	124	
1,4-Dioxane	1200		900	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1200		900	ug/Kg	75				56	133	
1-Methylnaphthalene	1200		870	ug/Kg	73				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1585-01MSD	Client Sample ID:	VNJ-232MSD					DataFile:	BP019896.D		
n-Nitrosodimethylamine	1200		850	ug/Kg	71		13		66	124	20
Pyridine	1200		650	ug/Kg	54		15		45	119	20
Benzaldehyde	1200		140	ug/Kg	12	*	40	*	26	163	20
Aniline	1200		480	ug/Kg	40		32	*	10	88	20
Phenol	1200		810	ug/Kg	68		30	*	67	126	20
bis(2-Chloroethyl)ether	1200		760	ug/Kg	63	*	27	*	74	116	20
2-Chlorophenol	1200		860	ug/Kg	72		24	*	61	138	20
1,2-Dichlorobenzene	1200		930	ug/Kg	78		5		61	105	20
1,3-Dichlorobenzene	1200		990	ug/Kg	83		0		62	101	20
1,4-Dichlorobenzene	1200		1000	ug/Kg	83		0		63	104	20
Benzyl Alcohol	1200		820	ug/Kg	68		3		47	126	20
2-Methylphenol	1200		860	ug/Kg	72		6		66	122	20
2,2-oxybis(1-Chloropropane)	1200		950	ug/Kg	79		15		52	115	20
Acetophenone	1200		870	ug/Kg	73	*	0		75	111	20
3+4-Methylphenols	1200		860	ug/Kg	72		12		53	132	20
N-Nitroso-di-n-propylamine	1200		880	ug/Kg	73		15		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		10		65	117	20
Nitrobenzene	1200		900	ug/Kg	75		1		70	119	20
Isophorone	1200		870	ug/Kg	73	*	1		76	122	20
2-Nitrophenol	1200		970	ug/Kg	81		1		54	145	20
2,4-Dimethylphenol	1200		790	ug/Kg	66	*	0		83	144	20
bis(2-Chloroethoxy)methane	1200		920	ug/Kg	77		3		68	112	20
2,4-Dichlorophenol	1200		960	ug/Kg	80		4		72	118	20
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83		10		57	103	20
Benzoic acid	1200		860	ug/Kg	72		0		50	104	20
Naphthalene	1200		950	ug/Kg	79		0		72	110	20
4-Chloroaniline	1200		250	ug/Kg	21		10		10	100	20
Hexachlorobutadiene	1200		990	ug/Kg	83		10		66	114	20
Caprolactam	1200		700	ug/Kg	58		0		51	134	20
4-Chloro-3-methylphenol	1200		830	ug/Kg	69		1		57	132	20
2-Methylnaphthalene	1200		840	ug/Kg	70		4		59	123	20
Hexachlorocyclopentadiene	2300		2300	ug/Kg	100		4		10	175	20
2,4,6-Trichlorophenol	1200		1000	ug/Kg	83		10		72	117	20
2,4,5-Trichlorophenol	1200		900	ug/Kg	75		4		72	117	20
1,1-Biphenyl	1200		1000	ug/Kg	83		10		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		0		67	118	20
2-Nitroaniline	1200		890	ug/Kg	74		4		69	127	20
Dimethylphthalate	1200		860	ug/Kg	72		1		70	113	20
Acenaphthylene	1200		1000	ug/Kg	83		0		79	118	20
2,6-Dinitrotoluene	1200		870	ug/Kg	73		1		70	125	20
3-Nitroaniline	1200		540	ug/Kg	45		2		20	111	20
Acenaphthene	1200		980	ug/Kg	82		0		70	121	20
Total PAH	19200	0	16210	ug/Kg	84		2		70	121	20
2,4-Dinitrophenol	2300		1700	ug/Kg	74		0		16	160	20
4-Nitrophenol	2300		1600	ug/Kg	70		0		45	133	20
Dibenzofuran	1200		940	ug/Kg	78		5		72	110	20
2,4-Dinitrotoluene	1200		810	ug/Kg	68		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022724

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1680	ug/Kg	70		1		55	128	20
Diethylphthalate	1200		820	ug/Kg	68	*	1		70	112	20
4-Chlorophenyl-phenylether	1200		880	ug/Kg	73		7		71	108	20
Fluorene	1200	0	920	ug/Kg	77		3		68	116	20
4-Nitroaniline	1200		710	ug/Kg	59		0		55	120	20
4,6-Dinitro-2-methylphenol	1200		980	ug/Kg	82		0		32	145	20
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92		0		73	118	20
Azobenzene	1200		900	ug/Kg	75		4		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		0		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		0		67	118	20
Atrazine	1200		900	ug/Kg	75	*	0		79	127	20
Pentachlorophenol	2300		1700	ug/Kg	74		5		47	128	20
Phenanthrene	1200	200	1100	ug/Kg	75		0		72	113	20
Anthracene	1200		950	ug/Kg	79		0		62	124	20
Carbazole	1200		870	ug/Kg	73		1		59	119	20
Di-n-butylphthalate	1200		860	ug/Kg	72		4		69	118	20
Fluoranthene	1200	140	870	ug/Kg	61		2		59	125	20
Benzidine	2300		990	ug/Kg	43		5		10	119	20
Pyrene	1200	98.9	1200	ug/Kg	92		0		52	128	20
Butylbenzylphthalate	1200		1000	ug/Kg	83		2		64	126	20
3,3-Dichlorobenzidine	1200		780	ug/Kg	65		6		10	164	20
Benzo(a)anthracene	1200		990	ug/Kg	83		0		71	114	20
Chrysene	1200		960	ug/Kg	80		4		57	121	20
bis(2-Ethylhexyl)phthalate	1200		970	ug/Kg	81		4		66	127	20
Di-n-octyl phthalate	1200		950	ug/Kg	79		3		71	126	20
Benzo(b)fluoranthene	1200		950	ug/Kg	79		1		67	121	20
Benzo(k)fluoranthene	1200		910	ug/Kg	76		1		74	114	20
Benzo(a)pyrene	1200		930	ug/Kg	78		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1200	ug/Kg	100		0		61	125	20
Dibenz(a,h)anthracene	1200		1100	ug/Kg	92		8		67	130	20
Benzo(g,h,i)perylene	1200		1200	ug/Kg	100		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92		8		69	124	20
1,4-Dioxane	1200		770	ug/Kg	64		16		46	112	20
2,3,4,6-Tetrachlorophenol	1200		850	ug/Kg	71		5		56	133	20
1-Methylnaphthalene	1200		840	ug/Kg	70		4		70	130	20

Surrogate Summary
SW-846

SDG No.: BP022724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1523-01	20240763-COMPO:BP019897.D		2-Fluorophenol	150	88.49	59		18	112
			Phenol-d6	150	84.84	57		15	107
			Nitrobenzene-d5	100	54.79	55		18	107
			2-Fluorobiphenyl	100	50.96	51		20	109
			2,4,6-Tribromophenol	150	68.16	45		10	110
			Terphenyl-d14	100	50.63	51		14	112
P1523-02	20240764-COMPO:BP019898.D		2-Fluorophenol	150	83.21	55		18	112
			Phenol-d6	150	82.67	55		15	107
			Nitrobenzene-d5	100	53.87	54		18	107
			2-Fluorobiphenyl	100	45.74	46		20	109
			2,4,6-Tribromophenol	150	67.15	45		10	110
			Terphenyl-d14	100	39.44	39		14	112
P1523-03	20240765-COMPO:BP019899.D		2-Fluorophenol	150	84.80	57		18	112
			Phenol-d6	150	89.33	60		15	107
			Nitrobenzene-d5	100	57.51	58		18	107
			2-Fluorobiphenyl	100	54.24	54		20	109
			2,4,6-Tribromophenol	150	69.36	46		10	110
			Terphenyl-d14	100	46.20	46		14	112
P1523-04MS	20240765-COMPO:BP019900.D		2-Fluorophenol	150	112.83	75		18	112
			Phenol-d6	150	96.94	65		15	107
			Nitrobenzene-d5	100	61.45	61		18	107
			2-Fluorobiphenyl	100	56.67	57		20	109
			2,4,6-Tribromophenol	150	92.47	62		10	110
			Terphenyl-d14	100	53.27	53		14	112
P1523-05MSD	20240765-COMPO:BP019901.D		2-Fluorophenol	150	111.19	74		18	112
			Phenol-d6	150	102.05	68		15	107
			Nitrobenzene-d5	100	65.49	65		18	107
			2-Fluorobiphenyl	100	59.08	59		20	109
			2,4,6-Tribromophenol	150	93.27	62		10	110
			Terphenyl-d14	100	58.90	59		14	112
PB159140BL	PB159140BL	BP019890.D	2-Fluorophenol	150	126.11	84		18	112
			Phenol-d6	150	113.54	76		15	107
			Nitrobenzene-d5	100	55.21	55		18	107
			2-Fluorobiphenyl	100	83.99	84		20	109
			2,4,6-Tribromophenol	150	127.05	85		10	110
			Terphenyl-d14	100	86.11	86		14	112
PB159140BS	PB159140BS	BP019891.D	2-Fluorophenol	150	143.61	96		18	112
			Phenol-d6	150	128.23	85		15	107
			Nitrobenzene-d5	100	81.25	81		18	107
			2-Fluorobiphenyl	100	96.51	97		20	109
			2,4,6-Tribromophenol	150	131.72	88		10	110
			Terphenyl-d14	100	101.08	101		14	112



Surrogate Summary
SW-846

SDG No.: BP022724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1538-01	20241096-COMPO:BP019902.D		2-Fluorophenol	150	101.85	68		18	112
			Phenol-d6	150	86.47	58		15	107
			Nitrobenzene-d5	100	55.63	56		18	107
			2-Fluorobiphenyl	100	48.12	48		20	109
			2,4,6-Tribromophenol	150	90.85	61		10	110
			Terphenyl-d14	100	39.61	40		14	112
P1538-03	20241098-COMPO:BP019904.D		2-Fluorophenol	150	95.61	64		18	112
			Phenol-d6	150	76.68	51		15	107
			Nitrobenzene-d5	100	46.89	47		18	107
			2-Fluorobiphenyl	100	40.26	40		20	109
			2,4,6-Tribromophenol	150	77.00	51		10	110
			Terphenyl-d14	100	41.31	41		14	112
P1538-12	20241105-AMEND BP019903.D		2-Fluorophenol	150	20.20	13	*	18	112
			Phenol-d6	150	34.89	23		15	107
			Nitrobenzene-d5	100	49.11	49		18	107
			2-Fluorobiphenyl	100	48.98	49		20	109
			2,4,6-Tribromophenol	150	8.01	5	*	10	110
			Terphenyl-d14	100	57.62	58		14	112



Surrogate Summary

SW-846

SDG No.: BP022724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1564-15	LKWD-BACKFIL	BP019893.D	2-Fluorophenol	150	60.98	41		18	112
			Phenol-d6	150	66.54	44		15	107
			Nitrobenzene-d5	100	38.95	39		18	107
			2-Fluorobiphenyl	100	45.19	45		20	109
			2,4,6-Tribromophenol	150	63.34	42		10	110
			Terphenyl-d14	100	48.86	49		14	112
P1585-01	VNJ-232	BP019894.D	2-Fluorophenol	150	117.60	78		18	112
			Phenol-d6	150	124.34	83		15	107
			Nitrobenzene-d5	100	73.63	74		18	107
			2-Fluorobiphenyl	100	85.09	85		20	109
			2,4,6-Tribromophenol	150	109.74	73		10	110
			Terphenyl-d14	100	74.61	75		14	112
P1585-01MS	VNJ-232MS	BP019895.D	2-Fluorophenol	150	105.24	70		18	112
			Phenol-d6	150	112.87	75		15	107
			Nitrobenzene-d5	100	63.27	63		18	107
			2-Fluorobiphenyl	100	73.90	74		20	109
			2,4,6-Tribromophenol	150	93.24	62		10	110
			Terphenyl-d14	100	72.96	73		14	112
P1585-01MSD	VNJ-232MSD	BP019896.D	2-Fluorophenol	150	92.19	61		18	112
			Phenol-d6	150	83.44	56		15	107
			Nitrobenzene-d5	100	63.75	64		18	107
			2-Fluorobiphenyl	100	71.75	72		20	109
			2,4,6-Tribromophenol	150	85.05	57		10	110
			Terphenyl-d14	100	71.13	71		14	112
P1586-01	337	BP019892.D	2-Fluorophenol	150	81.91	55		18	112
			Phenol-d6	150	81.73	54		15	107
			Nitrobenzene-d5	100	60.41	60		18	107
			2-Fluorobiphenyl	100	70.32	70		20	109
			2,4,6-Tribromophenol	150	67.37	45		10	110
			Terphenyl-d14	100	63.72	64		14	112
PB159278BL	PB159278BL	BP019888.D	2-Fluorophenol	150	113.71	76		18	112
			Phenol-d6	150	122.97	82		15	107
			Nitrobenzene-d5	100	73.75	74		18	107
			2-Fluorobiphenyl	100	84.87	85		20	109
			2,4,6-Tribromophenol	150	138.66	92		10	110
			Terphenyl-d14	100	84.58	85		14	112
PB159278BS	PB159278BS	BP019889.D	2-Fluorophenol	150	118.67	79		18	112
			Phenol-d6	150	131.20	87		15	107
			Nitrobenzene-d5	100	79.89	80		18	107
			2-Fluorobiphenyl	100	97.40	97		20	109
			2,4,6-Tribromophenol	150	129.18	86		10	110
			Terphenyl-d14	100	98.50	98		14	112



Surrogate Summary
SW-846

SDG No.: BP022724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1545-01	287	BP019905.D	2-Fluorophenol	150	119.71	80		18	112
			Phenol-d6	150	100.98	67		15	107
			Nitrobenzene-d5	100	53.37	53		18	107
			2-Fluorobiphenyl	100	80.75	81		20	109
			2,4,6-Tribromophenol	150	86.05	57		10	110
			Terphenyl-d14	100	73.01	73		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP022724

Lab Code: CHEM

SAS No.: BP022724 SDG NO.: BP022724

Lab File ID: BP019886.D

DFTPP Injection Date: 02/27/2024

Instrument ID: BNA_P

DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.6
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 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
SSTDCCC040	SSTDCCC040	BP019887.D	02/27/2024	09:39
PB159278BL	PB159278BL	BP019888.D	02/27/2024	10:12
PB159278BS	PB159278BS	BP019889.D	02/27/2024	10:46
PB159140BL	PB159140BL	BP019890.D	02/27/2024	11:20
PB159140BS	PB159140BS	BP019891.D	02/27/2024	11:54
337	P1586-01	BP019892.D	02/27/2024	12:37
LKWD-BACKFILL-16	P1564-15	BP019893.D	02/27/2024	13:11
VNJ-232	P1585-01	BP019894.D	02/27/2024	13:45
VNJ-232MS	P1585-01MS	BP019895.D	02/27/2024	14:19
VNJ-232MSD	P1585-01MSD	BP019896.D	02/27/2024	14:53
20240763-COMPOSITE-39N-N-3-01	P1523-01	BP019897.D	02/27/2024	15:27
20240764-COMPOSITE-39N-N-3-02	P1523-02	BP019898.D	02/27/2024	16:00
20240765-COMPOSITE-39N-N-3-03	P1523-03	BP019899.D	02/27/2024	16:34
20240765-COMPOSITE-39N-N-3-03MS	P1523-04MS	BP019900.D	02/27/2024	17:08
20240765-COMPOSITE-39N-N-3-03MSD	P1523-05MSD	BP019901.D	02/27/2024	17:42
20241096-COMPOSITE-35N-N-4-01	P1538-01	BP019902.D	02/27/2024	18:16
20241105-AMENDED-COMPOSITE-35N-N	P1538-12	BP019903.D	02/27/2024	18:50
20241098-COMPOSITE-35N-N-4-03	P1538-03	BP019904.D	02/27/2024	19:24
287	P1545-01	BP019905.D	02/27/2024	19:58



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP022724

Lab Code: CHEM

SAS No.: BP022724 SDG NO.: BP022724

Lab File ID: BP019886.D

DFTPP Injection Date: 02/27/2024

Instrument ID: BNA_P

DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.6
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 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
SSTDCCC040EC	SSTDCCC040	BP019906.D	02/27/2024	20:32