

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF022824 SAS No.: BF022824 SDG No.: BF022824

Instrument ID: BNA_F Calibration Date/Time: 2/28/2024 1:14:25

Lab File ID: BF137421.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.616	0.721		17.045	
Pyridine	1.649	1.897		15.039	
2-Fluorophenol	1.296	1.365		5.324	
Benzaldehyde	0.918	1.012		10.24	
Aniline	2.261	2.402		6.236	
Phenol-d6	1.907	1.894		-0.682	
Phenol	2.087	2.072		-0.719	20.0
bis(2-Chloroethyl)ether	1.516	1.576		3.958	
2-Chlorophenol	1.390	1.398		0.576	
1,2-Dichlorobenzene	1.422	1.373		-3.446	
1,3-Dichlorobenzene	1.493	1.468		-1.674	
1,4-Dichlorobenzene	1.537	1.520		-1.106	20.0
Benzyl Alcohol	1.137	1.265		11.258	
2-Methylphenol	1.315	1.309		-0.456	
2,2-oxybis(1-Chloropropane)	2.520	2.572		2.063	
Acetophenone	0.485	0.489		0.825	
3+4-Methylphenols	1.499	1.485		-0.934	
n-Nitroso-di-n-propylamine	1.175	1.119	0.050	-4.766	
Nitrobenzene-d5	0.401	0.438		9.227	
Hexachloroethane	0.530	0.511		-3.585	
Nitrobenzene	0.407	0.449		10.319	
Isophorone	0.828	0.820		-0.966	
2-Nitrophenol	0.140	0.179		27.857	20.0
2,4-Dimethylphenol	0.305	0.330		8.197	
bis(2-Chloroethoxy)methane	0.478	0.493		3.138	
2,4-Dichlorophenol	0.286	0.306		6.993	20.0
1,2,4-Trichlorobenzene	0.307	0.311		1.303	
Benzoic acid	0.166	0.173		4.217	
Naphthalene	1.073	1.066		-0.652	
4-Chloroaniline	0.408	0.445		9.069	
Hexachlorobutadiene	0.182	0.183		0.549	20.0
Caprolactam	0.088	0.102		15.909	
4-Chloro-3-methylphenol	0.324	0.334		3.086	20.0
2-Methylnaphthalene	0.692	0.682		-1.445	
Hexachlorocyclopentadiene	0.250	0.273	0.050	9.2	
2,4,6-Trichlorophenol	0.357	0.370		3.641	20.0
2-Fluorobiphenyl	1.285	1.206		-6.148	
2,4,5-Trichlorophenol	0.410	0.424		3.415	
1,1-Biphenyl	1.457	1.438		-1.304	
2-Chloronaphthalene	1.100	1.102		0.182	
2-Nitroaniline	0.283	0.391		38.163	



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GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.382	1.370		-0.868	
Acenaphthylene	1.787	1.739		-2.686	
2,6-Dinitrotoluene	0.257	0.293		14.008	
3-Nitroaniline	0.265	0.323		21.887	
Acenaphthene	1.067	1.037		-2.812	20.0
2,4-Dinitrophenol	0.102	0.116	0.050	13.725	
4-Nitrophenol	0.189	0.212	0.050	12.169	
Dibenzofuran	1.649	1.585		-3.881	
2,4-Dinitrotoluene	0.302	0.367		21.523	
Diethylphthalate	1.290	1.290		0.0	
4-Chlorophenyl-phenylether	0.619	0.577		-6.785	
Fluorene	1.259	1.186		-5.798	
4-Nitroaniline	0.248	0.302		21.774	
4,6-Dinitro-2-methylphenol	0.090	0.112		24.444	
n-Nitrosodiphenylamine	0.650	0.648		-0.308	20.0
Azobenzene	1.544	1.514		-1.943	
2,4,6-Tribromophenol	0.174	0.172		-1.149	
4-Bromophenyl-phenylether	0.215	0.220		2.326	
Hexachlorobenzene	0.222	0.218		-1.802	
Atrazine	0.175	0.201		14.857	
Pentachlorophenol	0.141	0.145		2.837	20.0
Phenanthrene	1.103	1.072		-2.811	
Anthracene	1.137	1.130		-0.616	
Carbazole	0.972	0.976		0.412	
Di-n-butylphthalate	0.972	1.116		14.815	
Fluoranthene	1.077	1.061		-1.486	20.0
Benzidine	0.298	0.585		96.309	
Pyrene	1.891	2.016		6.61	
Terphenyl-d14	1.430	1.431		0.07	
Butylbenzylphthalate	0.229	0.464		102.62	
3,3-Dichlorobenzidine	0.296	0.382		29.054	
Benzo(a)anthracene	1.388	1.406		1.297	
Chrysene	1.418	1.414		-0.282	
Bis(2-ethylhexyl)phthalate	0.299	0.537		79.599	
Di-n-octyl phthalate	0.554	0.893		61.191	20.0
Benzo(b)fluoranthene	1.227	1.245		1.467	
Benzo(k)fluoranthene	1.286	1.241		-3.499	
Benzo(a)pyrene	1.164	1.200		3.093	20.0
Indeno(1,2,3-cd)pyrene	1.251	1.455		16.307	
Dibenzo(a,h)anthracene	1.031	1.186		15.034	
Benzo(g,h,i)perylene	1.053	1.229		16.714	



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GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.551	0.548		-0.544	
1,4-Dioxane	0.710	0.737		3.803	20.0
2,3,4,6-Tetrachlorophenol	0.339	0.333		-1.77	
1-Methylnaphthalene	0.654	0.634		-3.058	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BL	SDG No.:	BF022824
Lab Sample ID:	PB159308BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137422.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BL	SDG No.:	BF022824
Lab Sample ID:	PB159308BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137422.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BL	SDG No.:	BF022824
Lab Sample ID:	PB159308BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137422.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117.583		10-139		78	SPK: -150
13127-88-3	Phenol-d6	110.109		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	85.156		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	74.536		52-132		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.447		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	61.617		36-145		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	274577	6.781				
1146-65-2	Naphthalene-d8	1073657	8.063				
15067-26-2	Acenaphthene-d10	588964	9.822				
1517-22-2	Phenanthrene-d10	1046586	11.31				
1719-03-5	Chrysene-d12	769249	13.968				
1520-96-3	Perylene-d12	617246	15.456				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BL	SDG No.:	BF022824
Lab Sample ID:	PB159308BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137422.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.4	A			5.051	

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BS	SDG No.:	BF022824
Lab Sample ID:	PB159308BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137423.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	48		2	8	10	ug/L
110-86-1	Pyridine	35.8		1.8	4	5	ug/L
100-52-7	Benzaldehyde	11.6		3.3	8	10	ug/L
62-53-3	Aniline	23.7		2.4	4	5	ug/L
108-95-2	Phenol	42.6		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.8		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	48.2		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.6		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.2		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.3		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	54.4		2.4	8	10	ug/L
95-48-7	2-Methylphenol	41.9		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.6		2.3	4	5	ug/L
98-86-2	Acetophenone	45.5		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	42		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	46.8		1.7	4	5	ug/L
78-59-1	Isophorone	43.2		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	52.9		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.2		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.7		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.4		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.2		1.7	4	5	ug/L
65-85-0	Benzoic acid	48.9		6.7	8	10	ug/L
91-20-3	Naphthalene	42.5		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	11.5		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	42.8		1.9	4	5	ug/L
105-60-2	Caprolactam	50.3		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.6		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	40.2		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BS	SDG No.:	BF022824
Lab Sample ID:	PB159308BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137423.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	81.7	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.8		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	44.5		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.3		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	53.4		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	43.7		1.9	4	5	ug/L
208-96-8	Acenaphthylene	45.3		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	51.2		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	28.3		2.4	4	5	ug/L
83-32-9	Acenaphthene	42.5		1.7	4	5	ug/L
Total PAH	Total PAH	705.5		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	94.1	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	41.5		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	103		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	51.8		2.5	4	5	ug/L
84-66-2	Diethylphthalate	43.2		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40		2.2	4	5	ug/L
86-73-7	Fluorene	41.4		2	4	5	ug/L
100-01-6	4-Nitroaniline	51.4		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.1		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.4		2	4	5	ug/L
103-33-3	Azobenzene	42.9		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.3		2	4	5	ug/L
118-74-1	Hexachlorobenzene	44.4		1.9	4	5	ug/L
1912-24-9	Atrazine	45.9		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	82.6	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	41.5		2	4	5	ug/L
120-12-7	Anthracene	41.5		2.3	4	5	ug/L
86-74-8	Carbazole	43.7		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	49.6		2.4	4	5	ug/L
206-44-0	Fluoranthene	42.8		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BS	SDG No.:	BF022824
Lab Sample ID:	PB159308BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137423.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	39.5		6.6	8	10	ug/L
129-00-0	Pyrene	46.1		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	70.6		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	42.3		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	46		1.5	4	5	ug/L
218-01-9	Chrysene	43.5		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	69.1		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	62.5		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.4		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.4		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.5		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.1		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.3		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	38.4		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.9		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.7		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.021		10-139		85	SPK: -150
13127-88-3	Phenol-d6	121.461		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	90.404		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	81.039		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.527		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	85.261		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	257657	6.781				
1146-65-2	Naphthalene-d8	1038762	8.063				
15067-26-2	Acenaphthene-d10	548450	9.822				
1517-22-2	Phenanthrene-d10	952816	11.316				
1719-03-5	Chrysene-d12	514852	13.974				
1520-96-3	Perylene-d12	450477	15.457				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BS	SDG No.:	BF022824
Lab Sample ID:	PB159308BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137423.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BSD	SDG No.:	BF022824
Lab Sample ID:	PB159308BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137424.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.5		2	8	10	ug/L
110-86-1	Pyridine	34.8		1.8	4	5	ug/L
100-52-7	Benzaldehyde	12.5		3.3	8	10	ug/L
62-53-3	Aniline	23.3		2.4	4	5	ug/L
108-95-2	Phenol	41.5		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	46.7		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.3		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.6		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.4		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	52.4		2.4	8	10	ug/L
95-48-7	2-Methylphenol	40.8		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.3		2.3	4	5	ug/L
98-86-2	Acetophenone	44		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.1		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.7		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43.2		1.6	4	5	ug/L
98-95-3	Nitrobenzene	45.4		1.7	4	5	ug/L
78-59-1	Isophorone	41.8		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	51.4		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	39		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.6		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.8		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.9		1.7	4	5	ug/L
65-85-0	Benzoic acid	46.2		6.7	8	10	ug/L
91-20-3	Naphthalene	41.4		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	11.7		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	41.8		1.9	4	5	ug/L
105-60-2	Caprolactam	49.4		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	38.7		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BSD	SDG No.:	BF022824
Lab Sample ID:	PB159308BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137424.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	80.6	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.5		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.9		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	43.2		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	45		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	51.8		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.5		1.9	4	5	ug/L
208-96-8	Acenaphthylene	44.1		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.5		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	27		2.4	4	5	ug/L
83-32-9	Acenaphthene	41.9		1.7	4	5	ug/L
Total PAH	Total PAH	693.7		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	92.8	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	40.7		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	98.5		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	49		2.5	4	5	ug/L
84-66-2	Diethylphthalate	41.8		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.6		2.2	4	5	ug/L
86-73-7	Fluorene	40.3		2	4	5	ug/L
100-01-6	4-Nitroaniline	48.5		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.4		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.8		2	4	5	ug/L
103-33-3	Azobenzene	41.5		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42		2	4	5	ug/L
118-74-1	Hexachlorobenzene	43.6		1.9	4	5	ug/L
1912-24-9	Atrazine	44.4		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	80.7	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	40.9		2	4	5	ug/L
120-12-7	Anthracene	40.9		2.3	4	5	ug/L
86-74-8	Carbazole	42.8		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	48.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	42.1		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BSD	SDG No.:	BF022824
Lab Sample ID:	PB159308BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137424.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	37.6		6.6	8	10	ug/L
129-00-0	Pyrene	44.7		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	69.8		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	41		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.2		1.5	4	5	ug/L
218-01-9	Chrysene	43.1		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	69		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	61.5		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.9		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.9		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.5		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.6		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.2		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.9		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	37.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.7		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	39.5		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.804		10-139		84	SPK: -150
13127-88-3	Phenol-d6	117.292		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	87.916		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	78.452		52-132		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	128.723		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	83.022		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	251106	6.781				
1146-65-2	Naphthalene-d8	1010349	8.063				
15067-26-2	Acenaphthene-d10	530627	9.822				
1517-22-2	Phenanthrene-d10	914232	11.316				
1719-03-5	Chrysene-d12	495965	13.974				
1520-96-3	Perylene-d12	430478	15.457				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159308BSD	SDG No.:	BF022824
Lab Sample ID:	PB159308BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137424.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BL	SDG No.:	BF022824
Lab Sample ID:	PB159325BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137425.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BL	SDG No.:	BF022824
Lab Sample ID:	PB159325BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137425.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BL	SDG No.:	BF022824
Lab Sample ID:	PB159325BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137425.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	123.974		10-139		83	SPK: -150
13127-88-3	Phenol-d6	116.782		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	90.25		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	81.013		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	123.153		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	69.075		36-145		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	263056	6.781				
1146-65-2	Naphthalene-d8	1057875	8.063				
15067-26-2	Acenaphthene-d10	569133	9.816				
1517-22-2	Phenanthrene-d10	1038400	11.31				
1719-03-5	Chrysene-d12	712533	13.969				
1520-96-3	Perylene-d12	527205	15.457				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BL	SDG No.:	BF022824
Lab Sample ID:	PB159325BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137425.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BS	SDG No.:	BF022824
Lab Sample ID:	PB159325BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137426.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.2		2	8	10	ug/L
110-86-1	Pyridine	33.9		1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	23.7		2.4	4	5	ug/L
108-95-2	Phenol	42.4		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.4		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	46.7		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.5		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42.3		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	52.1		2.4	8	10	ug/L
95-48-7	2-Methylphenol	42.3		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.9		2.3	4	5	ug/L
98-86-2	Acetophenone	46		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.4		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.5		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	42.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	46.1		1.7	4	5	ug/L
78-59-1	Isophorone	42.8		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	52.2		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	42.1		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.2		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.6		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45		1.7	4	5	ug/L
65-85-0	Benzoic acid	48.5		6.7	8	10	ug/L
91-20-3	Naphthalene	42		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	10.9		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	43.1		1.9	4	5	ug/L
105-60-2	Caprolactam	52.9		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.9		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	40		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BS	SDG No.:	BF022824
Lab Sample ID:	PB159325BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137426.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	81.4	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.4		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.5		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	44.7		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	45.8		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	52.8		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	43.3		1.9	4	5	ug/L
208-96-8	Acenaphthylene	44.4		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	50.7		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	25.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	42.3		1.7	4	5	ug/L
Total PAH	Total PAH	687.8		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	92	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	41.2		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	50.5		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.2		4.6	4	10	ug/L
84-66-2	Diethylphthalate	43.5		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40		2.2	4	5	ug/L
86-73-7	Fluorene	41.4		2	4	5	ug/L
100-01-6	4-Nitroaniline	47.2		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.3		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.3		2	4	5	ug/L
103-33-3	Azobenzene	42		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.3		2	4	5	ug/L
118-74-1	Hexachlorobenzene	44.3		1.9	4	5	ug/L
1912-24-9	Atrazine	50.9		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	82.4	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	41.9		2	4	5	ug/L
120-12-7	Anthracene	41.3		2.3	4	5	ug/L
86-74-8	Carbazole	43.9		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	49.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	43		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BS	SDG No.:	BF022824
Lab Sample ID:	PB159325BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137426.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	34.4		6.6	8	10	ug/L
129-00-0	Pyrene	44.7		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	71		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	37.4		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.7		1.5	4	5	ug/L
218-01-9	Chrysene	42.8		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	70.1		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	63.5		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.1		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	42.2		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	43.4		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.7		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	41.9		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.5		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	37.8		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.8		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.9		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.832		10-139		85	SPK: -150
13127-88-3	Phenol-d6	119.418		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	91.089		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	80.852		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.749		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	83.816		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	246773	6.781				
1146-65-2	Naphthalene-d8	981633	8.063				
15067-26-2	Acenaphthene-d10	528535	9.822				
1517-22-2	Phenanthrene-d10	918778	11.316				
1719-03-5	Chrysene-d12	515433	13.974				
1520-96-3	Perylene-d12	449264	15.456				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159325BS	SDG No.:	BF022824
Lab Sample ID:	PB159325BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137426.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159266TB	SDG No.:	BF022824
Lab Sample ID:	PB159266TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137427.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159266TB	SDG No.:	BF022824
Lab Sample ID:	PB159266TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137427.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159266TB	SDG No.:	BF022824
Lab Sample ID:	PB159266TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137427.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.596		10-139		86	SPK: -150
13127-88-3	Phenol-d6	120.098		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	89.597		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	78.247		52-132		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.658		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	72.205		36-145		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	238143	6.781				
1146-65-2	Naphthalene-d8	943551	8.057				
15067-26-2	Acenaphthene-d10	529462	9.816				
1517-22-2	Phenanthrene-d10	939103	11.31				
1719-03-5	Chrysene-d12	614502	13.968				
1520-96-3	Perylene-d12	468656	15.457				

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159266TB	SDG No.:	BF022824
Lab Sample ID:	PB159266TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
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
BF137427.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	MANHOLE-COMP	SDG No.:	BF022824
Lab Sample ID:	P1583-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137428.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

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:	MANHOLE-COMP	SDG No.:	BF022824
Lab Sample ID:	P1583-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137428.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

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:	MANHOLE-COMP	SDG No.:	BF022824
Lab Sample ID:	P1583-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137428.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	56.766		10-139		38	SPK: -150
13127-88-3	Phenol-d6	30.529		10-134		20	SPK: -150
4165-60-0	Nitrobenzene-d5	92.23		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	85.39		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	130.767		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	72.718		36-145		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135033	6.781				
1146-65-2	Naphthalene-d8	551877	8.057				
15067-26-2	Acenaphthene-d10	316230	9.816				
1517-22-2	Phenanthrene-d10	589066	11.31				
1719-03-5	Chrysene-d12	427813	13.962				
1520-96-3	Perylene-d12	366826	15.451				



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:	MANHOLE-COMP	SDG No.:	BF022824
Lab Sample ID:	P1583-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137428.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159308

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
002916-31-6	1,3-Dioxolane, 2,2-dimethyl-	15.9	J			2.175	
001193-11-9	1,3-Dioxolane, 2,2,4-trimethyl-	3.5	J			2.799	
006145-73-9	Tris(2-chloropropyl) phosphate	4.2	J			11.18	
000057-10-3	n-Hexadecanoic acid	5.3	J			11.851	
000057-11-4	Octadecanoic acid	3.6	J			12.639	
013674-87-8	Tris(1,3-dichloroisopropyl)phospha	4.3	J			13.298	

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.:	BF022824
Lab Sample ID:	P1585-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137429.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	470		20.2	80	100	ug/L
110-86-1	Pyridine	310		17.8	40	50	ug/L
100-52-7	Benzaldehyde	42.9	J	32.8	80	100	ug/L
62-53-3	Aniline	230		24.2	40	50	ug/L
108-95-2	Phenol	440		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	490		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	510		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	490		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	490		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	470		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	580		23.8	80	100	ug/L
95-48-7	2-Methylphenol	450		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	500		22.6	40	50	ug/L
98-86-2	Acetophenone	500		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	480		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	490		19.8	25	25	ug/L
67-72-1	Hexachloroethane	460		16.4	40	50	ug/L
98-95-3	Nitrobenzene	500		17.2	40	50	ug/L
78-59-1	Isophorone	490		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	530		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	440		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	500		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	530		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		17	40	50	ug/L
65-85-0	Benzoic acid	490		66.5	80	100	ug/L
91-20-3	Naphthalene	470		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	100		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	470		19.3	40	50	ug/L
105-60-2	Caprolactam	630		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	540		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	470		22.3	40	50	ug/L

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.:	BF022824
Lab Sample ID:	P1585-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137429.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	660		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	520		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	490		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	470		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	490		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	590		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	520		18.8	40	50	ug/L
208-96-8	Acenaphthylene	520		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	580		21	40	50	ug/L
99-09-2	3-Nitroaniline	390		23.6	40	50	ug/L
83-32-9	Acenaphthene	480		17.2	40	50	ug/L
Total PAH	Total PAH	7590		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	28	80	100	ug/L
132-64-9	Dibenzofuran	490		15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	630		25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210		46.4	40	100	ug/L
84-66-2	Diethylphthalate	550		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	480		22.2	40	50	ug/L
86-73-7	Fluorene	500		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	550		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	530		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	470		19.5	40	50	ug/L
103-33-3	Azobenzene	520		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	480		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	490		19.1	40	50	ug/L
1912-24-9	Atrazine	600		35	40	50	ug/L
87-86-5	Pentachlorophenol	920	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	480		20	40	50	ug/L
120-12-7	Anthracene	470		22.8	40	50	ug/L
86-74-8	Carbazole	510		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	650		24	40	50	ug/L
206-44-0	Fluoranthene	510		20.5	40	50	ug/L

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.:	BF022824
Lab Sample ID:	P1585-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137429.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140		65.8	80	100	ug/L
129-00-0	Pyrene	450		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	820	E	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	490		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	510		14.5	40	50	ug/L
218-01-9	Chrysene	490		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	950	E	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	900	E	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	530		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	480		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	480		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	420		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	420		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	380		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	420		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	530		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	470		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	140.942		10-139		94	SPK: -150
13127-88-3	Phenol-d6	126.061		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	98.798		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	88.353		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	159.484		32-145		106	SPK: -150
1718-51-0	Terphenyl-d14	86.419		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133531	6.781				
1146-65-2	Naphthalene-d8	543497	8.063				
15067-26-2	Acenaphthene-d10	328567	9.822				
1517-22-2	Phenanthrene-d10	630892	11.316				
1719-03-5	Chrysene-d12	418571	13.974				
1520-96-3	Perylene-d12	409131	15.457				



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.:	BF022824
Lab Sample ID:	P1585-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
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
BF137429.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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.:	BF022824
Lab Sample ID:	P1585-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137430.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.5		2	8	10	ug/L
110-86-1	Pyridine	32.3		1.8	4	5	ug/L
100-52-7	Benzaldehyde	4.5	J	3.3	8	10	ug/L
62-53-3	Aniline	22.3		2.4	4	5	ug/L
108-95-2	Phenol	44.7		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.7		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	51.9		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	49.7		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.5		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	49.4		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	58.3		2.4	8	10	ug/L
95-48-7	2-Methylphenol	45.2		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	50.9		2.3	4	5	ug/L
98-86-2	Acetophenone	50.7		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	48.8		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	47.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	52.1		1.7	4	5	ug/L
78-59-1	Isophorone	50.7		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	56.4		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	51.7		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	54.6		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	49.6		1.7	4	5	ug/L
65-85-0	Benzoic acid	51.4		6.7	8	10	ug/L
91-20-3	Naphthalene	48.3		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	11.4		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	47.7		1.9	4	5	ug/L
105-60-2	Caprolactam	63.6		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	55.3		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	48.7		2.2	4	5	ug/L

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.:	BF022824
Lab Sample ID:	P1585-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137430.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	69.1		5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	52		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51.1		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	48.4		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.6		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	59.7		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	52.5		1.9	4	5	ug/L
208-96-8	Acenaphthylene	51.7		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	60.6		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	40.3		2.4	4	5	ug/L
83-32-9	Acenaphthene	48.8		1.7	4	5	ug/L
Total PAH	Total PAH	771.3		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.6		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	24.6		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	64		2.5	4	5	ug/L
84-66-2	Diethylphthalate	56.4		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.6		2.2	4	5	ug/L
86-73-7	Fluorene	50		2	4	5	ug/L
100-01-6	4-Nitroaniline	53.9		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.7		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.4		2	4	5	ug/L
103-33-3	Azobenzene	53		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.8		2	4	5	ug/L
118-74-1	Hexachlorobenzene	50.5		1.9	4	5	ug/L
1912-24-9	Atrazine	61.3		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	94.4	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	48		2	4	5	ug/L
120-12-7	Anthracene	48.2		2.3	4	5	ug/L
86-74-8	Carbazole	52.4		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	66.9		2.4	4	5	ug/L
206-44-0	Fluoranthene	52.5		2.1	4	5	ug/L

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.:	BF022824
Lab Sample ID:	P1585-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137430.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	13.9		6.6	8	10	ug/L
129-00-0	Pyrene	45		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	83.9	E	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	50.1		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	50.2		1.5	4	5	ug/L
218-01-9	Chrysene	50.1		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	94.7	E	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	92	E	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	55.2		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	50.1		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	50.2		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.3		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.6		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	38.1		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.9		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	43.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	48.8		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	147.389		10-139		98	SPK: -150
13127-88-3	Phenol-d6	128.364		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	101.901		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	89.99		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	163.532		32-145		109	SPK: -150
1718-51-0	Terphenyl-d14	87.7		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136293	6.781				
1146-65-2	Naphthalene-d8	556319	8.063				
15067-26-2	Acenaphthene-d10	340579	9.822				
1517-22-2	Phenanthrene-d10	654175	11.31				
1719-03-5	Chrysene-d12	445651	13.974				
1520-96-3	Perylene-d12	418848	15.457				



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.:	BF022824
Lab Sample ID:	P1585-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137430.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	20240767-AMENDED-COMP-39N-N-3-02	SDG No.:	BF022824
Lab Sample ID:	P1523-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59.7
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
BF137431.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	190	U	190	670	820	ug/Kg
110-86-1	Pyridine	180	U	180	320	420	ug/Kg
100-52-7	Benzaldehyde	370	U	370	670	820	ug/Kg
62-53-3	Aniline	290	U	290	320	420	ug/Kg
108-95-2	Phenol	180	U	180	320	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	220	U	220	320	420	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	320	420	ug/Kg
95-50-1	1,2-Dichlorobenzene	200	U	200	320	420	ug/Kg
541-73-1	1,3-Dichlorobenzene	220	U	220	320	420	ug/Kg
106-46-7	1,4-Dichlorobenzene	200	U	200	320	420	ug/Kg
100-51-6	Benzyl Alcohol	240	U	240	670	820	ug/Kg
95-48-7	2-Methylphenol	280	U	280	320	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	260	U	260	320	420	ug/Kg
98-86-2	Acetophenone	210	U	210	320	420	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	670	820	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	200	200	ug/Kg
67-72-1	Hexachloroethane	180	U	180	320	420	ug/Kg
98-95-3	Nitrobenzene	190	U	190	320	420	ug/Kg
78-59-1	Isophorone	170	U	170	320	420	ug/Kg
88-75-5	2-Nitrophenol	240	U	240	320	420	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	250	320	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	320	420	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	190	320	420	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	190	U	190	320	420	ug/Kg
65-85-0	Benzoic acid	530	U	530	670	820	ug/Kg
91-20-3	Naphthalene	200	U	200	320	420	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	320	420	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	210	320	420	ug/Kg
105-60-2	Caprolactam	290	U	290	670	820	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	200	320	420	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	230	320	420	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:	20240767-AMENDED-COMP-39N-N-3-02	SDG No.:	BF022824
Lab Sample ID:	P1523-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59.7
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
BF137431.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	520	U	520	670	820	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	190	320	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	220	U	220	320	420	ug/Kg
92-52-4	1,1-Biphenyl	230	U	230	320	420	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	210	320	420	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	320	420	ug/Kg
131-11-3	Dimethylphthalate	220	U	220	320	420	ug/Kg
208-96-8	Acenaphthylene	220	U	220	320	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	220	U	220	320	420	ug/Kg
99-09-2	3-Nitroaniline	230	U	230	320	420	ug/Kg
83-32-9	Acenaphthene	200	U	200	320	420	ug/Kg
Total PAH	Total PAH	3550	U	3550	320	6720	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	450	670	820	ug/Kg
100-02-7	4-Nitrophenol	280	U	280	670	820	ug/Kg
132-64-9	Dibenzofuran	190	U	190	320	420	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	470	U	470	320	840	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	250	320	420	ug/Kg
84-66-2	Diethylphthalate	210	U	210	320	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	220	U	220	320	420	ug/Kg
86-73-7	Fluorene	210	U	210	320	420	ug/Kg
100-01-6	4-Nitroaniline	260	U	260	320	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	220	U	220	670	820	ug/Kg
86-30-6	n-Nitrosodiphenylamine	230	U	230	320	420	ug/Kg
103-33-3	Azobenzene	180	U	180	320	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	320	420	ug/Kg
118-74-1	Hexachlorobenzene	240	U	240	320	420	ug/Kg
1912-24-9	Atrazine	240	U	240	320	420	ug/Kg
87-86-5	Pentachlorophenol	270	U	270	670	820	ug/Kg
85-01-8	Phenanthrene	230	U	230	320	420	ug/Kg
120-12-7	Anthracene	250	U	250	320	420	ug/Kg
86-74-8	Carbazole	210	U	210	320	420	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	320	420	ug/Kg
206-44-0	Fluoranthene	230	U	230	320	420	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:	20240767-AMENDED-COMP-39N-N-3-02	SDG No.:	BF022824
Lab Sample ID:	P1523-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59.7
Sample Wt/Vol:	30.09	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
BF137431.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	480	U	480	670	820	ug/Kg
129-00-0	Pyrene	210	U	210	320	420	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	250	320	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	400	670	820	ug/Kg
56-55-3	Benzo(a)anthracene	210	U	210	320	420	ug/Kg
218-01-9	Chrysene	210	U	210	320	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	320	420	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	300	670	820	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	U	200	320	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	220	U	220	320	420	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	230	320	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	320	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240	U	240	320	420	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	230	320	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	220	320	420	ug/Kg
123-91-1	1,4-Dioxane	290	U	290	320	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	210	320	420	ug/Kg
90-12-0	1-Methylnaphthalene	220	U	220	420	420	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	54.546		18-112		36	SPK: -150
13127-88-3	Phenol-d6	67.03		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	58.389		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	54.416		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	35.794		10-110		24	SPK: -150
1718-51-0	Terphenyl-d14	46.396		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153960	6.781				
1146-65-2	Naphthalene-d8	620108	8.057				
15067-26-2	Acenaphthene-d10	354824	9.816				
1517-22-2	Phenanthrene-d10	652694	11.31				
1719-03-5	Chrysene-d12	459635	13.968				
1520-96-3	Perylene-d12	403885	15.457				



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

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:	20240767-AMENDED-COMP-39N-N-3-02	SDG No.:	BF022824
Lab Sample ID:	P1523-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59.7
Sample Wt/Vol:	30.09	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
BF137431.D	1	2/20/2024 12:00:00 AM	2/28/2024 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	12900	J			2.152	
000107-86-8	2-Butenal, 3-methyl-	200	J			3.281	
	unknown3.599	320	J			3.599	
002190-48-9	3-Methyl-3-chloro-1-butene	340	J			3.887	
004675-87-0	2-Buten-1-ol, 2-methyl-	260	J			3.969	
000599-04-2	Pantolactone	530	J			3.993	
034314-83-5	Furan, 2,3-dihydro-4-methyl-	270	J			4.163	
	unknown4.422	460	J			4.422	
001572-93-6	(R)-(-)-3-Methyl-2-butanol	2000	J			4.581	
000628-32-0	Propane, 1-ethoxy-	950	J			4.74	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8600	A			5.01	
000563-47-3	1-Propene, 3-chloro-2-methyl-	210	J			5.593	
030924-14-2	Hydrazine, (1-methylpropyl)-	250	J			6.21	
001708-31-2	Furan, 2,5-dihydro-3-methyl-	330	J			6.657	
	unknown7.498	3800	J			7.498	
	unknown8.345	220	J			8.345	
000291-22-5	1,2,4,5-Tetrathiane	410	J			9.21	
000289-16-7	1,2,4-Trithiolane	570	J			10.733	
	unknown11.175	240	J			11.175	
000506-51-4	n-Tetracosanol-1	380	J			13.821	

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:	20240768-AMENDED-COMP-39N-N-3-03	SDG No.:	BF022824
Lab Sample ID:	P1523-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137432.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	200	U	200	680	830	ug/Kg
110-86-1	Pyridine	180	U	180	330	430	ug/Kg
100-52-7	Benzaldehyde	370	U	370	680	830	ug/Kg
62-53-3	Aniline	300	U	300	330	430	ug/Kg
108-95-2	Phenol	190	U	190	330	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	230	330	430	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	330	430	ug/Kg
95-50-1	1,2-Dichlorobenzene	210	U	210	330	430	ug/Kg
541-73-1	1,3-Dichlorobenzene	220	U	220	330	430	ug/Kg
106-46-7	1,4-Dichlorobenzene	210	U	210	330	430	ug/Kg
100-51-6	Benzyl Alcohol	250	U	250	680	830	ug/Kg
95-48-7	2-Methylphenol	290	U	290	330	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	260	U	260	330	430	ug/Kg
98-86-2	Acetophenone	220	U	220	330	430	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	680	830	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	200	200	ug/Kg
67-72-1	Hexachloroethane	190	U	190	330	430	ug/Kg
98-95-3	Nitrobenzene	190	U	190	330	430	ug/Kg
78-59-1	Isophorone	170	U	170	330	430	ug/Kg
88-75-5	2-Nitrophenol	240	U	240	330	430	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	250	330	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	330	430	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	200	330	430	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	200	U	200	330	430	ug/Kg
65-85-0	Benzoic acid	540	U	540	680	830	ug/Kg
91-20-3	Naphthalene	210	U	210	330	430	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	330	430	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	210	330	430	ug/Kg
105-60-2	Caprolactam	300	U	300	680	830	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	210	330	430	ug/Kg
91-57-6	2-Methylnaphthalene	240	U	240	330	430	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:	20240768-AMENDED-COMP-39N-N-3-03	SDG No.:	BF022824
Lab Sample ID:	P1523-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137432.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	530	U	530	680	830	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	190	330	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	220	U	220	330	430	ug/Kg
92-52-4	1,1-Biphenyl	230	U	230	330	430	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	210	330	430	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	330	430	ug/Kg
131-11-3	Dimethylphthalate	220	U	220	330	430	ug/Kg
208-96-8	Acenaphthylene	220	U	220	330	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	230	U	230	330	430	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	330	430	ug/Kg
83-32-9	Acenaphthene	200	U	200	330	430	ug/Kg
Total PAH	Total PAH	3610	U	3610	330	6880	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	450	680	830	ug/Kg
100-02-7	4-Nitrophenol	290	U	290	680	830	ug/Kg
132-64-9	Dibenzofuran	190	U	190	330	430	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	480	U	480	330	860	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	250	330	430	ug/Kg
84-66-2	Diethylphthalate	220	U	220	330	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	230	330	430	ug/Kg
86-73-7	Fluorene	210	U	210	330	430	ug/Kg
100-01-6	4-Nitroaniline	260	U	260	330	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	220	U	220	680	830	ug/Kg
86-30-6	n-Nitrosodiphenylamine	240	U	240	330	430	ug/Kg
103-33-3	Azobenzene	190	U	190	330	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	330	430	ug/Kg
118-74-1	Hexachlorobenzene	250	U	250	330	430	ug/Kg
1912-24-9	Atrazine	240	U	240	330	430	ug/Kg
87-86-5	Pentachlorophenol	280	U	280	680	830	ug/Kg
85-01-8	Phenanthrene	230	U	230	330	430	ug/Kg
120-12-7	Anthracene	260	U	260	330	430	ug/Kg
86-74-8	Carbazole	210	U	210	330	430	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	330	430	ug/Kg
206-44-0	Fluoranthene	240	U	240	330	430	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:	20240768-AMENDED-COMP-39N-N-3-03	SDG No.:	BF022824
Lab Sample ID:	P1523-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137432.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	490	U	490	680	830	ug/Kg
129-00-0	Pyrene	210	U	210	330	430	ug/Kg
85-68-7	Butylbenzylphthalate	260	U	260	330	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	410	U	410	680	830	ug/Kg
56-55-3	Benzo(a)anthracene	210	U	210	330	430	ug/Kg
218-01-9	Chrysene	220	U	220	330	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	330	430	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	310	680	830	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	U	200	330	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	220	U	220	330	430	ug/Kg
50-32-8	Benzo(a)pyrene	240	U	240	330	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	270	330	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240	U	240	330	430	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	230	330	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	330	430	ug/Kg
123-91-1	1,4-Dioxane	300	U	300	330	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	210	330	430	ug/Kg
90-12-0	1-Methylnaphthalene	230	U	230	430	430	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	44.064		18-112		29	SPK: -150
13127-88-3	Phenol-d6	73.755		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	78.232		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	68.352		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	23.775		10-110		16	SPK: -150
1718-51-0	Terphenyl-d14	58.362		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130067	6.781				
1146-65-2	Naphthalene-d8	540395	8.057				
15067-26-2	Acenaphthene-d10	336602	9.816				
1517-22-2	Phenanthrene-d10	663045	11.31				
1719-03-5	Chrysene-d12	479184	13.969				
1520-96-3	Perylene-d12	414322	15.457				

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:	20240768-AMENDED-COMP-39N-N-3-03	SDG No.:	BF022824
Lab Sample ID:	P1523-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137432.D	1	2/20/2024 12:00:00 AM	2/28/2024 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	13900	J			2.134	
	unknown3.587	600	J			3.587	
002190-48-9	3-Methyl-3-chloro-1-butene	460	J			3.881	
004675-87-0	2-Buten-1-ol, 2-methyl-	460	J			3.957	
	unknown3.981	570	J			3.981	
000107-86-8	2-Butenal, 3-methyl-	410	J			4.157	
	unknown4.416	650	J			4.416	
000594-61-6	Propanoic acid, 2-hydroxy-2-methyl	300	J			4.528	
004696-30-4	1-Butene, 4-methoxy	2700	J			4.575	
	unknown4.740	1400	J			4.74	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	14000	A			5.016	
030924-14-2	Hydrazine, (1-methylpropyl)-	320	J			6.21	
001708-31-2	Furan, 2,5-dihydro-3-methyl-	470	J			6.657	
000289-16-7	1,2,4-Trithiolane	9100	J			7.504	
	unknown8.345	320	J			8.345	
000291-22-5	1,2,4,5-Tetrathiane	620	J			9.21	
	unknown9.345	460	J			9.345	
000292-46-6	Lenthionine	1400	J			10.739	
	unknown11.181	330	J			11.181	
000506-51-4	n-Tetracosanol-1	500	J			13.822	

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:	20240768-AMENDED-COMP-39N-N-3-03MS	SDG No.:	BF022824
Lab Sample ID:	P1523-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137433.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	3000		190	680	830	ug/Kg
110-86-1	Pyridine	2800		180	330	430	ug/Kg
100-52-7	Benzaldehyde	950		370	680	830	ug/Kg
62-53-3	Aniline	2300		290	330	430	ug/Kg
108-95-2	Phenol	3800		190	330	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	3700		230	330	430	ug/Kg
95-57-8	2-Chlorophenol	3900		180	330	430	ug/Kg
95-50-1	1,2-Dichlorobenzene	3800		210	330	430	ug/Kg
541-73-1	1,3-Dichlorobenzene	3800		220	330	430	ug/Kg
106-46-7	1,4-Dichlorobenzene	3800		210	330	430	ug/Kg
100-51-6	Benzyl Alcohol	4400		250	680	830	ug/Kg
95-48-7	2-Methylphenol	3500		290	330	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3900		260	330	430	ug/Kg
98-86-2	Acetophenone	3800		220	330	430	ug/Kg
65794-96-9	3+4-Methylphenols	3800		270	680	830	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	3800		150	200	200	ug/Kg
67-72-1	Hexachloroethane	3600		190	330	430	ug/Kg
98-95-3	Nitrobenzene	3800		190	330	430	ug/Kg
78-59-1	Isophorone	3700		170	330	430	ug/Kg
88-75-5	2-Nitrophenol	4300		240	330	430	ug/Kg
105-67-9	2,4-Dimethylphenol	3400		250	330	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	3800		280	330	430	ug/Kg
120-83-2	2,4-Dichlorophenol	4000		200	330	430	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3700		200	330	430	ug/Kg
65-85-0	Benzoic acid	3800		540	680	830	ug/Kg
91-20-3	Naphthalene	3600		210	330	430	ug/Kg
106-47-8	4-Chloroaniline	1400		260	330	430	ug/Kg
87-68-3	Hexachlorobutadiene	3600		210	330	430	ug/Kg
105-60-2	Caprolactam	5100		290	680	830	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4200		210	330	430	ug/Kg
91-57-6	2-Methylnaphthalene	3700		240	330	430	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:	20240768-AMENDED-COMP-39N-N-3-03MS	SDG No.:	BF022824
Lab Sample ID:	P1523-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137433.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2900		530	680	830	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3800		190	330	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3600		220	330	430	ug/Kg
92-52-4	1,1-Biphenyl	3500		230	330	430	ug/Kg
91-58-7	2-Chloronaphthalene	3600		210	330	430	ug/Kg
88-74-4	2-Nitroaniline	4500		250	330	430	ug/Kg
131-11-3	Dimethylphthalate	3800		220	330	430	ug/Kg
208-96-8	Acenaphthylene	3700		220	330	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	4300		230	330	430	ug/Kg
99-09-2	3-Nitroaniline	3300		240	330	430	ug/Kg
83-32-9	Acenaphthene	3500		200	330	430	ug/Kg
Total PAH	Total PAH	56000		3610	330	6880	ug/Kg
51-28-5	2,4-Dinitrophenol	7800	E	450	680	830	ug/Kg
100-02-7	4-Nitrophenol	8100	E	290	680	830	ug/Kg
132-64-9	Dibenzofuran	3600		190	330	430	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	8900		480	330	860	ug/Kg
121-14-2	2,4-Dinitrotoluene	4600		250	330	430	ug/Kg
84-66-2	Diethylphthalate	4000		220	330	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3500		230	330	430	ug/Kg
86-73-7	Fluorene	3600		210	330	430	ug/Kg
100-01-6	4-Nitroaniline	3800		260	330	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4000		220	680	830	ug/Kg
86-30-6	n-Nitrosodiphenylamine	3400		240	330	430	ug/Kg
103-33-3	Azobenzene	3700		190	330	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3400		250	330	430	ug/Kg
118-74-1	Hexachlorobenzene	3600		250	330	430	ug/Kg
1912-24-9	Atrazine	4300		240	330	430	ug/Kg
87-86-5	Pentachlorophenol	6100		280	680	830	ug/Kg
85-01-8	Phenanthrene	3500		230	330	430	ug/Kg
120-12-7	Anthracene	3500		260	330	430	ug/Kg
86-74-8	Carbazole	3700		210	330	430	ug/Kg
84-74-2	Di-n-butylphthalate	4800		260	330	430	ug/Kg
206-44-0	Fluoranthene	3700		240	330	430	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:	20240768-AMENDED-COMP-39N-N-3-03MS	SDG No.:	BF022824
Lab Sample ID:	P1523-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137433.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2300		490	680	830	ug/Kg
129-00-0	Pyrene	3600		210	330	430	ug/Kg
85-68-7	Butylbenzylphthalate	6700		260	330	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4400		410	680	830	ug/Kg
56-55-3	Benzo(a)anthracene	3700		210	330	430	ug/Kg
218-01-9	Chrysene	3600		220	330	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	7600	E	290	330	430	ug/Kg
117-84-0	Di-n-octyl phthalate	7100	E	310	680	830	ug/Kg
205-99-2	Benzo(b)fluoranthene	3800		200	330	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	3600		220	330	430	ug/Kg
50-32-8	Benzo(a)pyrene	3600		240	330	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3100		270	330	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3100		240	330	430	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2800		230	330	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		230	330	430	ug/Kg
123-91-1	1,4-Dioxane	3100		290	330	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3800		210	330	430	ug/Kg
90-12-0	1-Methylnaphthalene	3700		230	430	430	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	43.095		18-112		29	SPK: -150
13127-88-3	Phenol-d6	71.471		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	78.732		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	65.284		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	25.845		10-110		17	SPK: -150
1718-51-0	Terphenyl-d14	63.654		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136629	6.781				
1146-65-2	Naphthalene-d8	566580	8.063				
15067-26-2	Acenaphthene-d10	359017	9.822				
1517-22-2	Phenanthrene-d10	682975	11.316				
1719-03-5	Chrysene-d12	413248	13.974				
1520-96-3	Perylene-d12	410507	15.457				



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:	20240768-AMENDED-COMP-39N-N-3-03MS	SDG No.:	BF022824
Lab Sample ID:	P1523-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137433.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	20240768-AMENDED-COMP-39N-N-3-03MSD	SDG No.:	BF022824
Lab Sample ID:	P1523-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137434.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	3200		190	680	830	ug/Kg
110-86-1	Pyridine	3100		180	330	430	ug/Kg
100-52-7	Benzaldehyde	980		370	680	830	ug/Kg
62-53-3	Aniline	2500		290	330	430	ug/Kg
108-95-2	Phenol	4000		190	330	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4100		230	330	430	ug/Kg
95-57-8	2-Chlorophenol	4200		180	330	430	ug/Kg
95-50-1	1,2-Dichlorobenzene	4100		210	330	430	ug/Kg
541-73-1	1,3-Dichlorobenzene	4000		220	330	430	ug/Kg
106-46-7	1,4-Dichlorobenzene	4100		210	330	430	ug/Kg
100-51-6	Benzyl Alcohol	4700		250	680	830	ug/Kg
95-48-7	2-Methylphenol	3700		290	330	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4100		260	330	430	ug/Kg
98-86-2	Acetophenone	4100		220	330	430	ug/Kg
65794-96-9	3+4-Methylphenols	4100		270	680	830	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	4000		150	200	200	ug/Kg
67-72-1	Hexachloroethane	3900		190	330	430	ug/Kg
98-95-3	Nitrobenzene	4100		190	330	430	ug/Kg
78-59-1	Isophorone	3900		170	330	430	ug/Kg
88-75-5	2-Nitrophenol	4500		240	330	430	ug/Kg
105-67-9	2,4-Dimethylphenol	3600		250	330	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4000		280	330	430	ug/Kg
120-83-2	2,4-Dichlorophenol	4400		200	330	430	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4000		200	330	430	ug/Kg
65-85-0	Benzoic acid	4000		540	680	830	ug/Kg
91-20-3	Naphthalene	3900		210	330	430	ug/Kg
106-47-8	4-Chloroaniline	1500		260	330	430	ug/Kg
87-68-3	Hexachlorobutadiene	3900		210	330	430	ug/Kg
105-60-2	Caprolactam	5400		290	680	830	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4400		210	330	430	ug/Kg
91-57-6	2-Methylnaphthalene	3900		240	330	430	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:	20240768-AMENDED-COMP-39N-N-3-03MSD	SDG No.:	BF022824
Lab Sample ID:	P1523-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137434.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2800		530	680	830	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4100		190	330	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3800		220	330	430	ug/Kg
92-52-4	1,1-Biphenyl	3900		230	330	430	ug/Kg
91-58-7	2-Chloronaphthalene	4000		210	330	430	ug/Kg
88-74-4	2-Nitroaniline	4900		250	330	430	ug/Kg
131-11-3	Dimethylphthalate	4100		220	330	430	ug/Kg
208-96-8	Acenaphthylene	4100		220	330	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	4800		230	330	430	ug/Kg
99-09-2	3-Nitroaniline	3700		240	330	430	ug/Kg
83-32-9	Acenaphthene	3800		200	330	430	ug/Kg
Total PAH	Total PAH	60400		3610	330	6880	ug/Kg
51-28-5	2,4-Dinitrophenol	8500	E	450	680	830	ug/Kg
100-02-7	4-Nitrophenol	9000	E	290	680	830	ug/Kg
132-64-9	Dibenzofuran	4000		190	330	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	5100		250	330	430	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	9900		480	330	860	ug/Kg
84-66-2	Diethylphthalate	4400		220	330	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3900		230	330	430	ug/Kg
86-73-7	Fluorene	4000		210	330	430	ug/Kg
100-01-6	4-Nitroaniline	4000		260	330	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4400		220	680	830	ug/Kg
86-30-6	n-Nitrosodiphenylamine	3700		230	330	430	ug/Kg
103-33-3	Azobenzene	4100		190	330	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3800		250	330	430	ug/Kg
118-74-1	Hexachlorobenzene	3800		250	330	430	ug/Kg
1912-24-9	Atrazine	4600		240	330	430	ug/Kg
87-86-5	Pentachlorophenol	6500		280	680	830	ug/Kg
85-01-8	Phenanthrene	3800		230	330	430	ug/Kg
120-12-7	Anthracene	3700		260	330	430	ug/Kg
86-74-8	Carbazole	4000		210	330	430	ug/Kg
84-74-2	Di-n-butylphthalate	5100		260	330	430	ug/Kg
206-44-0	Fluoranthene	3900		240	330	430	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:	20240768-AMENDED-COMP-39N-N-3-03MSD	SDG No.:	BF022824
Lab Sample ID:	P1523-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137434.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2400		490	680	830	ug/Kg
129-00-0	Pyrene	3900		210	330	430	ug/Kg
85-68-7	Butylbenzylphthalate	7000	E	260	330	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4600		410	680	830	ug/Kg
56-55-3	Benzo(a)anthracene	4000		210	330	430	ug/Kg
218-01-9	Chrysene	4000		220	330	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	8000	E	290	330	430	ug/Kg
117-84-0	Di-n-octyl phthalate	7400	E	310	680	830	ug/Kg
205-99-2	Benzo(b)fluoranthene	4200		200	330	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	3800		220	330	430	ug/Kg
50-32-8	Benzo(a)pyrene	3900		240	330	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3300		270	330	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3200		240	330	430	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2900		230	330	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3800		230	330	430	ug/Kg
123-91-1	1,4-Dioxane	3400		290	330	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4100		210	330	430	ug/Kg
90-12-0	1-Methylnaphthalene	3900		230	430	430	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	46.847		18-112		31	SPK: -150
13127-88-3	Phenol-d6	76.073		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	84.11		18-107		84	SPK: -100
321-60-8	2-Fluorobiphenyl	70.763		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	29.03		10-110		19	SPK: -150
1718-51-0	Terphenyl-d14	70.077		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130764	6.781				
1146-65-2	Naphthalene-d8	543526	8.063				
15067-26-2	Acenaphthene-d10	333508	9.822				
1517-22-2	Phenanthrene-d10	656176	11.316				
1719-03-5	Chrysene-d12	386987	13.974				
1520-96-3	Perylene-d12	386562	15.457				



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:	20240768-AMENDED-COMP-39N-N-3-03MSD	SDG No.:	BF022824
Lab Sample ID:	P1523-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.4
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
BF137434.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	20241104-AMENDED-COMPOSITE-35N-N-4-03	SDG No.:	BF022824
Lab Sample ID:	P1538-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	56.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137435.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	180	U	180	620	760	ug/Kg
110-86-1	Pyridine	170	U	170	300	390	ug/Kg
100-52-7	Benzaldehyde	340	U	340	620	760	ug/Kg
62-53-3	Aniline	270	U	270	300	390	ug/Kg
108-95-2	Phenol	170	U	170	300	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	210	300	390	ug/Kg
95-57-8	2-Chlorophenol	170	U	170	300	390	ug/Kg
95-50-1	1,2-Dichlorobenzene	190	U	190	300	390	ug/Kg
541-73-1	1,3-Dichlorobenzene	200	U	200	300	390	ug/Kg
106-46-7	1,4-Dichlorobenzene	190	U	190	300	390	ug/Kg
100-51-6	Benzyl Alcohol	230	U	230	620	760	ug/Kg
95-48-7	2-Methylphenol	260	U	260	300	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	240	U	240	300	390	ug/Kg
98-86-2	Acetophenone	200	U	200	300	390	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	620	760	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	180	180	ug/Kg
67-72-1	Hexachloroethane	170	U	170	300	390	ug/Kg
98-95-3	Nitrobenzene	170	U	170	300	390	ug/Kg
78-59-1	Isophorone	160	U	160	300	390	ug/Kg
88-75-5	2-Nitrophenol	220	U	220	300	390	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	230	300	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	260	U	260	300	390	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	180	300	390	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	180	U	180	300	390	ug/Kg
65-85-0	Benzoic acid	490	U	490	620	760	ug/Kg
91-20-3	Naphthalene	190	U	190	300	390	ug/Kg
106-47-8	4-Chloroaniline	240	U	240	300	390	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	190	300	390	ug/Kg
105-60-2	Caprolactam	270	U	270	620	760	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	190	300	390	ug/Kg
91-57-6	2-Methylnaphthalene	220	U	220	300	390	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:	20241104-AMENDED-COMPOSITE-35N-N-4-03	SDG No.:	BF022824
Lab Sample ID:	P1538-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	56.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137435.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	480	U	480	620	760	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	180	300	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	200	300	390	ug/Kg
92-52-4	1,1-Biphenyl	210	U	210	300	390	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	200	300	390	ug/Kg
88-74-4	2-Nitroaniline	230	U	230	300	390	ug/Kg
131-11-3	Dimethylphthalate	210	U	210	300	390	ug/Kg
208-96-8	Acenaphthylene	200	U	200	300	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	210	300	390	ug/Kg
99-09-2	3-Nitroaniline	220	U	220	300	390	ug/Kg
83-32-9	Acenaphthene	190	U	190	300	390	ug/Kg
Total PAH	Total PAH	3320	U	3320	300	6240	ug/Kg
51-28-5	2,4-Dinitrophenol	420	U	420	620	760	ug/Kg
100-02-7	4-Nitrophenol	260	U	260	620	760	ug/Kg
132-64-9	Dibenzofuran	180	U	180	300	390	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	440	U	440	300	780	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	U	230	300	390	ug/Kg
84-66-2	Diethylphthalate	200	U	200	300	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	210	300	390	ug/Kg
86-73-7	Fluorene	200	U	200	300	390	ug/Kg
100-01-6	4-Nitroaniline	240	U	240	300	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	200	620	760	ug/Kg
86-30-6	n-Nitrosodiphenylamine	220	U	220	300	390	ug/Kg
103-33-3	Azobenzene	170	U	170	300	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	220	U	220	300	390	ug/Kg
118-74-1	Hexachlorobenzene	230	U	230	300	390	ug/Kg
1912-24-9	Atrazine	220	U	220	300	390	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	620	760	ug/Kg
85-01-8	Phenanthrene	210	U	210	300	390	ug/Kg
120-12-7	Anthracene	240	U	240	300	390	ug/Kg
86-74-8	Carbazole	200	U	200	300	390	ug/Kg
84-74-2	Di-n-butylphthalate	240	U	240	300	390	ug/Kg
206-44-0	Fluoranthene	220	U	220	300	390	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:	20241104-AMENDED-COMPOSITE-35N-N-4-03	SDG No.:	BF022824
Lab Sample ID:	P1538-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	56.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137435.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	450	U	450	620	760	ug/Kg
129-00-0	Pyrene	200	J	190	300	390	ug/Kg
85-68-7	Butylbenzylphthalate	240	U	240	300	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	370	620	760	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	190	300	390	ug/Kg
218-01-9	Chrysene	200	U	200	300	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	270	300	390	ug/Kg
117-84-0	Di-n-octyl phthalate	280	U	280	620	760	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	190	300	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	U	200	300	390	ug/Kg
50-32-8	Benzo(a)pyrene	220	U	220	300	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	300	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	220	U	220	300	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220	J	210	300	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	210	300	390	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	300	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	190	300	390	ug/Kg
90-12-0	1-Methylnaphthalene	210	U	210	390	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	61.712		18-112		41	SPK: -150
13127-88-3	Phenol-d6	96.797		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	79.625		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	71.367		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	49.223		10-110		33	SPK: -150
1718-51-0	Terphenyl-d14	64.645		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131239	6.781				
1146-65-2	Naphthalene-d8	541629	8.057				
15067-26-2	Acenaphthene-d10	329974	9.816				
1517-22-2	Phenanthrene-d10	626447	11.31				
1719-03-5	Chrysene-d12	423879	13.968				
1520-96-3	Perylene-d12	395853	15.457				



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:	20241104-AMENDED-COMPOSITE-35N-N-4-03	SDG No.:	BF022824
Lab Sample ID:	P1538-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	56.7
Sample Wt/Vol:	30.04	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
BF137435.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2800	A			4.992	
073410-02-3	6-Hydroxy-4,4,7a-trimethyl-5,6,7,7	240	J			11.18	
002004-39-9	1-Heptacosanol	330	J			13.821	

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-4-04RE	SDG No.:	BF022824
Lab Sample ID:	P1538-12RE	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
BF137436.D	1	2/22/2024 12:00:00 AM	2/28/2024 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-4-04RE	SDG No.:	BF022824
Lab Sample ID:	P1538-12RE	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
BF137436.D	1	2/22/2024 12:00:00 AM	2/28/2024 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-4-04RE	SDG No.:	BF022824
Lab Sample ID:	P1538-12RE	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
BF137436.D	1	2/22/2024 12:00:00 AM	2/28/2024 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	22.536	*	18-112		15	SPK: -150
13127-88-3	Phenol-d6	41.408		15-107		28	SPK: -150
4165-60-0	Nitrobenzene-d5	53.613		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	51.07		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	11.796	*	10-110		8	SPK: -150
1718-51-0	Terphenyl-d14	48.007		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102626	6.781				
1146-65-2	Naphthalene-d8	435100	8.063				
15067-26-2	Acenaphthene-d10	269003	9.816				
1517-22-2	Phenanthrene-d10	517282	11.31				
1719-03-5	Chrysene-d12	358129	13.968				
1520-96-3	Perylene-d12	323173	15.457				



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-4-04RE	SDG No.:	BF022824
Lab Sample ID:	P1538-12RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	59
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
BF137436.D	1	2/22/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	2/22/2024 12:00:00 AM
Project:		Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	B1COMP(0-8)	SDG No.:	BF022824
Lab Sample ID:	P1595-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137437.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89	U	89	310	380	ug/Kg
110-86-1	Pyridine	83.4	U	83.4	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	200	ug/Kg
108-95-2	Phenol	85.7	U	85.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	82.9	U	82.9	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	94.1	U	94.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.9	U	94.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	99.9	U	99.9	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68	U	68	92.1	92.1	ug/Kg
67-72-1	Hexachloroethane	84.8	U	84.8	150	200	ug/Kg
98-95-3	Nitrobenzene	86.6	U	86.6	150	200	ug/Kg
78-59-1	Isophorone	78.4	U	78.4	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90	U	90	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.3	U	89.3	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	93.8	U	93.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.8	U	96.8	150	200	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95	U	95	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/22/2024 12:00:00 AM
Project:		Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	B1COMP(0-8)	SDG No.:	BF022824
Lab Sample ID:	P1595-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137437.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.8	U	88.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.4	U	97.4	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	92.5	U	92.5	150	200	ug/Kg
Total PAH	Total PAH	3020	U	1659.5	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	98.9	U	98.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	97.7	U	97.7	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.7	U	84.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	410		110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	97.8	U	97.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	630		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/22/2024 12:00:00 AM
Project:		Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	B1COMP(0-8)	SDG No.:	BF022824
Lab Sample ID:	P1595-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137437.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	410		96.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	280		96.6	150	200	ug/Kg
218-01-9	Chrysene	250		100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	350		92.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	240		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	J	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.5	U	95.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	5.355	*	18-112		4	SPK: -150
13127-88-3	Phenol-d6	46.879		15-107		31	SPK: -150
4165-60-0	Nitrobenzene-d5	53.368		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	53.452		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	2.848	*	10-110		2	SPK: -150
1718-51-0	Terphenyl-d14	39.115		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147366	6.781				
1146-65-2	Naphthalene-d8	580559	8.063				
15067-26-2	Acenaphthene-d10	315038	9.816				
1517-22-2	Phenanthrene-d10	518064	11.31				
1719-03-5	Chrysene-d12	410691	13.968				
1520-96-3	Perylene-d12	383874	15.456				



Report of Analysis

Client:		Date Collected:	2/22/2024 12:00:00 AM
Project:		Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	B1COMP(0-8)	SDG No.:	BF022824
Lab Sample ID:	P1595-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.04	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
BF137437.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BF022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 20240767-AMENDED-COMP-39N-N-3-02								
P1523-07	20240767-AMENDED-C Solid		(R)-(-)-3-Methyl-2-butanol	*	2,000.000	J		
P1523-07	20240767-AMENDED-C Solid		1,2,4,5-Tetrathiane	*	410.000	J		
P1523-07	20240767-AMENDED-C Solid		1,2,4-Trithiolane	*	570.000	J		
P1523-07	20240767-AMENDED-C Solid		1-Propene, 3-chloro-2-methyl-	*	210.000	J		
P1523-07	20240767-AMENDED-C Solid		2-Buten-1-ol, 2-methyl-	*	260.000	J		
P1523-07	20240767-AMENDED-C Solid		2-Butenal, 3-methyl-	*	200.000	J		
P1523-07	20240767-AMENDED-C Solid		2-Pentanone, 4-hydroxy-4-methyl	*	8,600.000	A		
P1523-07	20240767-AMENDED-C Solid		3-Methyl-3-chloro-1-butene	*	340.000	J		
P1523-07	20240767-AMENDED-C Solid		3-Penten-2-ol	*	12,900.000	J		
P1523-07	20240767-AMENDED-C Solid		Furan, 2,3-dihydro-4-methyl-	*	270.000	J		
P1523-07	20240767-AMENDED-C Solid		Furan, 2,5-dihydro-3-methyl-	*	330.000	J		
P1523-07	20240767-AMENDED-C Solid		Hydrazine, (1-methylpropyl)-	*	250.000	J		
P1523-07	20240767-AMENDED-C Solid		n-Tetracosanol-1	*	380.000	J		
P1523-07	20240767-AMENDED-C Solid		Pantolactone	*	530.000	J		
P1523-07	20240767-AMENDED-C Solid		Propane, 1-ethoxy-	*	950.000	J		
P1523-07	20240767-AMENDED-C Solid		unknown11.175	*	240.000	J		
P1523-07	20240767-AMENDED-C Solid		unknown3.599	*	320.000	J		
P1523-07	20240767-AMENDED-C Solid		unknown4.422	*	460.000	J		
P1523-07	20240767-AMENDED-C Solid		unknown7.498	*	3,800.000	J		
P1523-07	20240767-AMENDED-C Solid		unknown8.345	*	220.000	J		
Total Tics :					33,240.00			
Total Concentration:					33,240.00			
Client ID : 20240768-AMENDED-COMP-39N-N-3-03								
P1523-08	20240768-AMENDED-C Solid		1,2,4,5-Tetrathiane	*	620.000	J		
P1523-08	20240768-AMENDED-C Solid		1,2,4-Trithiolane	*	9,100.000	J		
P1523-08	20240768-AMENDED-C Solid		1-Butene, 4-methoxy	*	2,700.000	J		
P1523-08	20240768-AMENDED-C Solid		2-Buten-1-ol, 2-methyl-	*	460.000	J		
P1523-08	20240768-AMENDED-C Solid		2-Butenal, 3-methyl-	*	410.000	J		
P1523-08	20240768-AMENDED-C Solid		2-Pentanone, 4-hydroxy-4-methyl	*	14,000.000	A		
P1523-08	20240768-AMENDED-C Solid		3-Methyl-3-chloro-1-butene	*	460.000	J		
P1523-08	20240768-AMENDED-C Solid		3-Penten-2-ol	*	13,900.000	J		
P1523-08	20240768-AMENDED-C Solid		Furan, 2,5-dihydro-3-methyl-	*	470.000	J		
P1523-08	20240768-AMENDED-C Solid		Hydrazine, (1-methylpropyl)-	*	320.000	J		
P1523-08	20240768-AMENDED-C Solid		Lenthionine	*	1,400.000	J		
P1523-08	20240768-AMENDED-C Solid		n-Tetracosanol-1	*	500.000	J		
P1523-08	20240768-AMENDED-C Solid		Propanoic acid, 2-hydroxy-2-meth	*	300.000	J		
P1523-08	20240768-AMENDED-C Solid		unknown11.181	*	330.000	J		
P1523-08	20240768-AMENDED-C Solid		unknown3.587	*	600.000	J		
P1523-08	20240768-AMENDED-C Solid		unknown3.981	*	570.000	J		

Hit Summary Sheet
SW-846

SDG No.: BF022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1523-08	20240768-AMENDED-C	Solid	unknown4.416	*	650.000	J		
P1523-08	20240768-AMENDED-C	Solid	unknown4.740	*	1,400.000	J		
P1523-08	20240768-AMENDED-C	Solid	unknown8.345	*	320.000	J		
P1523-08	20240768-AMENDED-C	Solid	unknown9.345	*	460.000	J		
Total Tics :					48,970.00			
Total Concentration:					48,970.00			
Client ID : 20241104-AMENDED-COMPOSITE-35N-N-4-0								
P1538-11	20241104-AMENDED-C	Solid	1-Heptacosanol	*	330.000	J		
P1538-11	20241104-AMENDED-C	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	2,800.000	A		
P1538-11	20241104-AMENDED-C	Solid	6-Hydroxy-4,4,7a-trimethyl-5,6,7,	*	240.000	J		
Total Tics :					3,370.00			
P1538-11	20241104-AMENDED-C	Solid	Benzo(g,h,i)perylene		220.000	J	210	ug/Kg
P1538-11	20241104-AMENDED-C	Solid	Pyrene		200.000	J	190	ug/Kg
Total Svoc :					420.00			
Total Concentration:					3,790.00			
Client ID : MANHOLE-COMP								
P1583-01	MANHOLE-COMP	Water	1,3-Dioxolane, 2,2,4-trimethyl-	*	3.500	J		
P1583-01	MANHOLE-COMP	Water	1,3-Dioxolane, 2,2-dimethyl-	*	15.900	J		
P1583-01	MANHOLE-COMP	Water	n-Hexadecanoic acid	*	5.300	J		
P1583-01	MANHOLE-COMP	Water	Octadecanoic acid	*	3.600	J		
P1583-01	MANHOLE-COMP	Water	Tris(1,3-dichloroisopropyl)phosph	*	4.300	J		
P1583-01	MANHOLE-COMP	Water	Tris(2-chloropropyl) phosphate	*	4.200	J		
Total Tics :					36.80			
Total Concentration:					36.80			
Client ID : B1COMP(0-8)								
P1595-01	B1COMP(0-8)	Solid	Benzo(a)anthracene		280.000		96.6	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Benzo(a)pyrene		240.000		110	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Benzo(b)fluoranthene		350.000		92.5	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Benzo(g,h,i)perylene		180.000	J	110	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Benzo(k)fluoranthene		110.000	J	100	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Chrysene		250.000		100	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Fluoranthene		630.000		110	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Indeno(1,2,3-cd)pyrene		160.000	J	120	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Phenanthrene		410.000		110	200 ug/Kg
P1595-01	B1COMP(0-8)	Solid	Pyrene		410.000		96.4	200 ug/Kg
Total Svoc :					3,020.00			
Total Concentration:					3,020.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022324

SAS No.: BF022324

SDG No.: BF022324

Instrument ID: _____

Calibration Date(s): 2/23/2024 : _____

Calibration Time(s): 10:31 _____

LAB FILE ID: RRF2.5 = BF137366.D RRF005 = BF137367.D RRF010 = BF137368.D								
RRF020 = BF137369.D RRF040 = BF137370.D RRF050 = BF137371.D								
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.381	0.529	0.667	0.702	0.616	21.8
Pyridine		1.114	1.418	1.682	1.811	1.829	1.649	17.1
2-Fluorophenol		1.103	1.261	1.425	1.380	1.348	1.296	8.3
Benzaldehyde		0.670	0.881	0.992	1.007	0.986	0.918	12.9
Aniline		1.862	2.175	2.414	2.413	2.375	2.261	8.8
Phenol-d6		1.886	1.994	2.073	1.950	1.885	1.907	6.0
Phenol		1.942	2.130	2.291	2.156	2.127	2.087	6.6
bis(2-Chloroethyl)ether		1.402	1.695	1.531	1.505	1.514	1.516	5.9
2-Chlorophenol		1.365	1.446	1.511	1.414	1.404	1.390	6.0
1,2-Dichlorobenzene		1.526	1.540	1.562	1.421	1.381	1.422	9.5
1,3-Dichlorobenzene		1.528	1.547	1.597	1.511	1.473	1.493	5.5
1,4-Dichlorobenzene		1.555	1.620	1.675	1.552	1.499	1.537	6.5
Benzyl Alcohol		0.930	1.043	1.268	1.240	1.209	1.137	10.9
2-Methylphenol		1.274	1.290	1.415	1.354	1.324	1.315	4.6
2,2-oxybis(1-Chloropropane)		2.585	2.600	2.695	2.573	2.482	2.520	5.6
Acetophenone		0.481	0.528	0.540	0.498	0.466	0.485	8.4
3+4-Methylphenols		1.396	1.634	1.701	1.570	1.482	1.499	9.8
n-Nitroso-di-n-propylamine	1.123	1.155	1.248	1.261	1.188	1.177	1.175	4.9
Nitrobenzene-d5		0.341	0.394	0.427	0.421	0.410	0.401	7.3
Hexachloroethane		0.540	0.557	0.571	0.532	0.522	0.530	6.0
Nitrobenzene		0.333	0.384	0.442	0.435	0.425	0.407	9.3
Isophorone		0.805	0.844	0.871	0.833	0.816	0.828	2.9
2-Nitrophenol		0.103	0.106	0.145	0.151	0.153	0.140	17.5
2,4-Dimethylphenol		0.276	0.302	0.329	0.317	0.308	0.305	5.8
bis(2-Chloroethoxy)methane		0.442	0.470	0.517	0.495	0.478	0.478	5.2
2,4-Dichlorophenol		0.250	0.281	0.305	0.299	0.291	0.286	6.5
1,2,4-Trichlorobenzene		0.302	0.321	0.331	0.313	0.298	0.307	5.5
Benzoic acid			0.109	0.136	0.172	0.182	0.166	21.8
Naphthalene		1.129	1.154	1.188	1.081	1.025	1.073	8.6
4-Chloroaniline		0.347	0.401	0.441	0.438	0.434	0.408	8.2
Hexachlorobutadiene		0.185	0.188	0.196	0.182	0.177	0.182	4.9
Caprolactam		0.070	0.082	0.091	0.092	0.093	0.088	10.6
4-Chloro-3-methylphenol		0.294	0.324	0.347	0.332	0.329	0.324	5.2
2-Methylnaphthalene		0.719	0.751	0.761	0.698	0.662	0.692	8.5
Hexachlorocyclopentadiene			0.186	0.240	0.263	0.267	0.250	13.5
2,4,6-Trichlorophenol		0.328	0.348	0.381	0.370	0.362	0.357	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.: BF022324

SAS No.: BF022324

SDG No.: BF022324

Instrument ID: _____

Calibration Date(s): 2/23/2024 : _____

Calibration Time(s): 10:31 _____

LAB FILE ID:		RRF2.5 = BF137366.D		RRF005 = BF137367.D		RRF010 = BF137368.D		
		RRF020 = BF137369.D		RRF040 = BF137370.D		RRF050 = BF137371.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.463	1.457	1.447	1.268	1.178	1.285	13.6
2,4,5-Trichlorophenol		0.387	0.378	0.429	0.433	0.419	0.410	5.2
1,1-Biphenyl		1.555	1.552	1.602	1.475	1.399	1.457	8.7
2-Chloronaphthalene		1.118	1.155	1.195	1.120	1.066	1.100	6.2
2-Nitroaniline		0.165	0.203	0.269	0.318	0.333	0.283	26.0
Dimethylphthalate		1.394	1.453	1.475	1.393	1.357	1.382	5.1
Acenaphthylene		1.893	1.934	1.965	1.813	1.726	1.787	9.2
2,6-Dinitrotoluene		0.189	0.233	0.273	0.280	0.277	0.257	13.4
3-Nitroaniline		0.187	0.216	0.268	0.291	0.296	0.265	17.2
Acenaphthene		1.131	1.145	1.185	1.085	1.013	1.067	9.1
2,4-Dinitrophenol			0.051	0.082	0.109	0.116	0.102	29.4
4-Nitrophenol			0.117	0.171	0.204	0.212	0.189	20.8
Dibenzofuran		1.745	1.808	1.840	1.657	1.581	1.649	10.0
2,4-Dinitrotoluene		0.210	0.268	0.313	0.334	0.336	0.302	15.5
Diethylphthalate		1.293	1.356	1.389	1.317	1.267	1.290	5.8
4-Chlorophenyl-phenylether		0.660	0.702	0.687	0.611	0.574	0.619	10.6
Fluorene		1.403	1.416	1.412	1.238	1.173	1.259	12.2
4-Nitroaniline		0.162	0.216	0.268	0.268	0.272	0.248	17.4
4,6-Dinitro-2-methylphenol			0.064	0.083	0.093	0.098	0.090	16.1
n-Nitrosodiphenylamine		0.660	0.683	0.700	0.653	0.631	0.650	5.8
Azobenzene		1.580	1.644	1.684	1.587	1.503	1.544	7.5
2,4,6-Tribromophenol		0.159	0.170	0.181	0.178	0.174	0.174	4.4
4-Bromophenyl-phenylether		0.201	0.217	0.225	0.221	0.216	0.215	4.3
Hexachlorobenzene		0.228	0.222	0.232	0.225	0.217	0.222	3.4
Atrazine		0.147	0.167	0.186	0.182	0.182	0.175	8.1
Pentachlorophenol		0.104	0.129	0.150	0.153	0.151	0.141	13.0
Phenanthrene		1.174	1.209	1.214	1.090	1.048	1.103	9.0
Anthracene		1.162	1.231	1.257	1.151	1.106	1.137	8.4
Carbazole		0.977	1.027	1.064	0.992	0.933	0.972	6.9
Di-n-butylphthalate		0.770	0.908	1.025	1.033	1.041	0.972	10.5
Fluoranthene		1.146	1.190	1.191	1.070	1.012	1.077	9.5
Benzidine			0.159	0.239	0.331	0.349	0.298	27.4
Pyrene		1.723	1.774	1.919	1.991	1.982	1.891	5.7
Terphenyl-d14		1.358	1.392	1.450	1.466	1.468	1.430	3.1
Butylbenzylphthalate		0.101	0.130	0.182	0.251	0.280	0.229	40.8
3,3-Dichlorobenzidine			0.206	0.264	0.311	0.318	0.296	17.5

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.: BF022324

SAS No.: BF022324

SDG No.: BF022324

Instrument ID: _____

Calibration Date(s): 2/23/2024 : _____

Calibration Time(s): 10:31 _____

LAB FILE ID:		RRF2.5 = BF137366.D			RRF005 = BF137367.D		RRF010 = BF137368.D	
		RRF020 = BF137369.D			RRF040 = BF137370.D		RRF050 = BF137371.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.341	1.392	1.444	1.399	1.383	1.388	2.7
Chrysene		1.424	1.426	1.475	1.427	1.422	1.418	2.6
Bis(2-ethylhexyl)phthalate		0.135	0.181	0.251	0.322	0.367	0.299	37.8
Di-n-octyl phthalate			0.230	0.351	0.516	0.631	0.554	42.5
Benzo(b)fluoranthene		1.150	1.253	1.318	1.265	1.254	1.227	5.3
Benzo(k)fluoranthene		1.270	1.347	1.446	1.282	1.219	1.286	6.6
Benzo(a)pyrene		1.024	1.101	1.245	1.219	1.199	1.164	6.7
Indeno(1,2,3-cd)pyrene		0.855	0.989	1.260	1.429	1.435	1.251	18.9
Dibenzo(a,h)anthracene		0.706	0.799	1.071	1.185	1.171	1.031	19.1
Benzo(g,h,i)perylene		0.712	0.816	1.051	1.209	1.211	1.053	19.7
1,2,4,5-Tetrachlorobenzene		0.553	0.558	0.595	0.568	0.540	0.551	5.3
1,4-Dioxane		0.655	0.714	0.737	0.726	0.727	0.710	4.0
2,3,4,6-Tetrachlorophenol		0.338	0.342	0.362	0.345	0.335	0.339	3.9
1-Methylnaphthalene		0.702	0.721	0.702	0.653	0.622	0.654	9.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF022824 SAS No.: BF022824 SDG NO.: BF022824EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 28 2024 12:00AMLab File ID: BF137370.D Time Analyzed: 14:54Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	187918	6.804	767138	8.08	434402	9.83
	UPPER LIMIT	375836	7.304	1534276	8.581	868804	10.333
	LOWER LIMIT	93959	6.304	383569	7.581	217201	9.333
	EPA SAMPLE NO.						
01	PB159308BL	274577	6.78	1.07366e	8.06	588964	9.82
02	PB159308BS	257657	6.78	1.03876e	8.06	548450	9.82
03	PB159308BSD	251106	6.78	1.01035e	8.06	530627	9.82
04	PB159325BL	263056	6.78	1.05788e	8.06	569133	9.82
05	PB159325BS	246773	6.78	981633	8.06	528535	9.82
06	PB159266TB	238143	6.78	943551	8.06	529462	9.82
07	MANHOLE-COMP	135033	6.78	551877	8.06	316230	9.82
08	VNJ-232MS	133531	6.78	543497	8.06	328567	9.82
09	VNJ-232MSD	136293	6.78	556319	8.06	340579	9.82
10	20240767-AMENDED-COMP-39N-N-3-	153960	6.78	620108	8.06	354824	9.82
11	20240768-AMENDED-COMP-39N-N-3-	130067	6.78	540395	8.06	336602	9.82
12	20240768-AMENDED-COMP-39N-N-3-	136629	6.78	566580	8.06	359017	9.82
13	20240768-AMENDED-COMP-39N-N-3-	130764	6.78	543526	8.06	333508	9.82
14	20241104-AMENDED-COMPOSITE-35N	131239	6.78	541629	8.06	329974	9.82
15	20241105-AMENDED-COMPOSITE-35N	102626	6.78	435100	8.06	269003	9.82
16	B1COMP (0-8)	147366	6.78	580559	8.06	315038	9.82

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF022824 SAS No.: BF022824 SDG NO.: BF022824

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BF137421.D Time Analyzed: 14:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	226106	6.786	871585	8.06	489027	9.82
	UPPER LIMIT	452212	7.286	1743170	8.563	978054	10.322
	LOWER LIMIT	113053	6.286	435792.5	7.563	244513.5	9.322
	EPA SAMPLE NO.						
01	PB159308BL	274577	6.78	1.07366e	8.06	588964	9.82
02	PB159308BS	257657	6.78	1.03876e	8.06	548450	9.82
03	PB159308BSD	251106	6.78	1.01035e	8.06	530627	9.82
04	PB159325BL	263056	6.78	1.05788e	8.06	569133	9.82
05	PB159325BS	246773	6.78	981633	8.06	528535	9.82
06	PB159266TB	238143	6.78	943551	8.06	529462	9.82
07	MANHOLE-COMP	135033	6.78	551877	8.06	316230	9.82
08	VNJ-232MS	133531	6.78	543497	8.06	328567	9.82
09	VNJ-232MSD	136293	6.78	556319	8.06	340579	9.82
10	20240767-AMENDED-COMP-39N-N-3-	153960	6.78	620108	8.06	354824	9.82
11	20240768-AMENDED-COMP-39N-N-3-	130067	6.78	540395	8.06	336602	9.82
12	20240768-AMENDED-COMP-39N-N-3-	136629	6.78	566580	8.06	359017	9.82
13	20240768-AMENDED-COMP-39N-N-3-	130764	6.78	543526	8.06	333508	9.82
14	20241104-AMENDED-COMPOSITE-35N	131239	6.78	541629	8.06	329974	9.82
15	20241105-AMENDED-COMPOSITE-35N	102626 *	6.78	435100 *	8.06	269003	9.82
16	B1COMP (0-8)	147366	6.78	580559	8.06	315038	9.82

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.: BF022824 SAS No.: BF022824 SDG NO.: BF022824

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BF137370.D Time Analyzed: 14:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	745721	11.327	413231	13.98	338860	15.462
UPPER LIMIT	1491442	11.827	826462	14.48	677720	15.962
LOWER LIMIT	372860.5	10.827	206615.5	13.48	169430	14.962
EPA SAMPLE NO.						
01 PB159308BL	1.04659	11.31	769249	13.97	617246	15.46
02 PB159308BS	952816	11.32	514852	13.97	450477	15.46
03 PB159308BSD	914232	11.32	495965	13.97	430478	15.46
04 PB159325BL	1.0384e	11.31	712533	13.97	527205	15.46
05 PB159325BS	918778	11.32	515433	13.97	449264	15.46
06 PB159266TB	939103	11.31	614502	13.97	468656	15.46
07 MANHOLE-COMP	589066	11.31	427813	13.96	366826	15.45
08 VNJ-232MS	630892	11.32	418571	13.97	409131	15.46
09 VNJ-232MSD	654175	11.31	445651	13.97	418848	15.46
10 20240767-AMENDED-COMP-39N-1	652694	11.31	459635	13.97	403885	15.46
11 20240768-AMENDED-COMP-39N-1	663045	11.31	479184	13.97	414322	15.46
12 20240768-AMENDED-COMP-39N-1	682975	11.32	413248	13.97	410507	15.46
13 20240768-AMENDED-COMP-39N-1	656176	11.32	386987	13.97	386562	15.46
14 20241104-AMENDED-COMPOSITE	626447	11.31	423879	13.97	395853	15.46
15 20241105-AMENDED-COMPOSITE	517282	11.31	358129	13.97	323173	15.46
16 B1COMP (0-8)	518064	11.31	410691	13.97	383874	15.46



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF022824 SAS No.: BF022824 SDG NO.: BF022824EPA Sample No.: SSTDICCC040Date Analyzed: Feb 28 2024 12:00AMLab File ID: BF137370.DTime Analyzed: 22:17Instrument ID: BNA_FGC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	745721	11.327	413231	13.98	338860	15.462
UPPER LIMIT	1491442	11.827	826462	14.48	677720	15.962
LOWER LIMIT	372860.5	10.827	206615.5	13.48	169430	14.962
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: CHEMTECHLab Code: CHEM Case No.: BF022824 SAS No.: BF022824 SDG NO.: BF022824EPA Sample No.: SSTDCCC040Date Analyzed: Feb 28 2024 12:00AMLab File ID: BF137421.DTime Analyzed: 14:54Instrument ID: BNA_FGC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	822900	11.316	440072	13.974	366383	15.456
	UPPER LIMIT	1645800	11.816	880144	14.474	732766	15.956
	LOWER LIMIT	411450	10.816	220036	13.474	183191.5	14.956
	EPA SAMPLE NO.						
01	PB159308BL	1.04659	11.31	769249	13.97	617246	15.46
02	PB159308BS	952816	11.32	514852	13.97	450477	15.46
03	PB159308BSD	914232	11.32	495965	13.97	430478	15.46
04	PB159325BL	1.0384e	11.31	712533	13.97	527205	15.46
05	PB159325BS	918778	11.32	515433	13.97	449264	15.46
06	PB159266TB	939103	11.31	614502	13.97	468656	15.46
07	MANHOLE-COMP	589066	11.31	427813	13.96	366826	15.45
08	VNJ-232MS	630892	11.32	418571	13.97	409131	15.46
09	VNJ-232MSD	654175	11.31	445651	13.97	418848	15.46
10	20240767-AMENDED-COMP-39N-I	652694	11.31	459635	13.97	403885	15.46
11	20240768-AMENDED-COMP-39N-I	663045	11.31	479184	13.97	414322	15.46
12	20240768-AMENDED-COMP-39N-I	682975	11.32	413248	13.97	410507	15.46
13	20240768-AMENDED-COMP-39N-I	656176	11.32	386987	13.97	386562	15.46
14	20241104-AMENDED-COMPOSITE	626447	11.31	423879	13.97	395853	15.46
15	20241105-AMENDED-COMPOSITE	517282	11.31	358129	13.97	323173	15.46
16	B1COMP (0-8)	518064	11.31	410691	13.97	383874	15.46

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF022824 SAS No.: BF022824 SDG NO.: BF022824

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BF137421.D Time Analyzed: 22:17

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	822900	11.316	440072	13.974	366383	15.456
UPPER LIMIT	1645800	11.816	880144	14.474	732766	15.956
LOWER LIMIT	411450	10.816	220036	13.474	183191.5	14.956
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.: BF022824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159308BS	n-Nitrosodimethylamine	50	48	ug/L	96					55	108	
	Pyridine	50	35.8	ug/L	72					29	97	
	Benzaldehyde	50	11.6	ug/L	23					15	121	
	Aniline	50	23.7	ug/L	47					10	130	
	Phenol	50	42.6	ug/L	85					66	118	
	bis(2-Chloroethyl)ether	50	44.8	ug/L	90					62	103	
	2-Chlorophenol	50	48.2	ug/L	96					70	117	
	1,2-Dichlorobenzene	50	45.6	ug/L	91					72	102	
	1,3-Dichlorobenzene	50	45.2	ug/L	90					71	103	
	1,4-Dichlorobenzene	50	44.3	ug/L	89					76	103	
	Benzyl Alcohol	50	54.4	ug/L	109		*			36	93	
	2-Methylphenol	50	41.9	ug/L	84					69	109	
	2,2-oxybis(1-Chloropropane)	50	44.6	ug/L	89					52	103	
	Acetophenone	50	45.5	ug/L	91					60	104	
	3+4-Methylphenols	50	42	ug/L	84					67	106	
	N-Nitroso-di-n-propylamine	50	43	ug/L	86					57	107	
	Hexachloroethane	50	44.5	ug/L	89					76	118	
	Nitrobenzene	50	46.8	ug/L	94					58	106	
	Isophorone	50	43.2	ug/L	86					61	102	
	2-Nitrophenol	50	52.9	ug/L	106					70	115	
	2,4-Dimethylphenol	50	40.2	ug/L	80					67	130	
	bis(2-Chloroethoxy)methane	50	44.7	ug/L	89					58	109	
	2,4-Dichlorophenol	50	47.4	ug/L	95					66	115	
	1,2,4-Trichlorobenzene	50	45.2	ug/L	90					41	115	
	Benzoic acid	50	48.9	ug/L	98					10	125	
	Naphthalene	50	42.5	ug/L	85					64	107	
	4-Chloroaniline	50	11.5	ug/L	23					10	85	
	Hexachlorobutadiene	50	42.8	ug/L	86					69	101	
	Caprolactam	50	50.3	ug/L	101					58	128	
	4-Chloro-3-methylphenol	50	45.6	ug/L	91					65	114	
	2-Methylnaphthalene	50	40.2	ug/L	80					64	107	
	Hexachlorocyclopentadiene	100	81.7	ug/L	82					36	160	
	2,4,6-Trichlorophenol	50	48.2	ug/L	96					61	110	
	2,4,5-Trichlorophenol	50	43.8	ug/L	88					70	106	
	1,1-Biphenyl	50	44.5	ug/L	89					72	98	
	2-Chloronaphthalene	50	46.3	ug/L	93					59	106	
	2-Nitroaniline	50	53.4	ug/L	107					58	107	
	Dimethylphthalate	50	43.7	ug/L	87					64	103	
	Acenaphthylene	50	45.3	ug/L	91					65	108	
	2,6-Dinitrotoluene	50	51.2	ug/L	102					64	110	
	3-Nitroaniline	50	28.3	ug/L	57					28	100	
	Acenaphthene	50	42.5	ug/L	85					59	113	
	Total PAH	800	705.5	ug/L	88					59	113	
	2,4-Dinitrophenol	100	100	ug/L	100					64	132	
	4-Nitrophenol	100	94.1	ug/L	94					68	116	
	Dibenzofuran	50	41.5	ug/L	83					65	106	



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

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159308BS	2,4-Dinitrotoluene	50	51.8	ug/L	104				60	115		
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	103	ug/L	103				60	115		
	Diethylphthalate	50	43.2	ug/L	86				63	105		
	4-Chlorophenyl-phenylether	50	40	ug/L	80				61	104		
	Fluorene	50	41.4	ug/L	83				64	107		
	4-Nitroaniline	50	51.4	ug/L	103				69	112		
	4,6-Dinitro-2-methylphenol	50	53.1	ug/L	106				62	132		
	N-Nitrosodiphenylamine	50	42.4	ug/L	85				61	109		
	Azobenzene	50	42.9	ug/L	86				59	106		
	4-Bromophenyl-phenylether	50	42.3	ug/L	85				73	103		
	Hexachlorobenzene	50	44.4	ug/L	89				73	106		
	Atrazine	50	45.9	ug/L	92				76	120		
	Pentachlorophenol	100	82.6	ug/L	83				47	114		
	Phenanthrene	50	41.5	ug/L	83				62	109		
	Anthracene	50	41.5	ug/L	83				65	110		
	Carbazole	50	43.7	ug/L	87				62	106		
	Di-n-butylphthalate	50	49.6	ug/L	99				64	106		
	Fluoranthene	50	42.8	ug/L	86				64	110		
	Benzidine	100	39.5	ug/L	40				10	94		
	Pyrene	50	46.1	ug/L	92				71	103		
	Butylbenzylphthalate	50	70.6	ug/L	141		*		61	105		
	3,3-Dichlorobenzidine	50	42.3	ug/L	85				43	108		
	Benzo(a)anthracene	50	46	ug/L	92				62	107		
	Chrysene	50	43.5	ug/L	87				61	108		
	bis(2-Ethylhexyl)phthalate	50	69.1	ug/L	138		*		59	110		
	Di-n-octyl phthalate	50	62.5	ug/L	125				67	126		
	Benzo(b)fluoranthene	50	47.4	ug/L	95				77	113		
	Benzo(k)fluoranthene	50	44.4	ug/L	89				64	113		
	Benzo(a)pyrene	50	45.5	ug/L	91				72	131		
	Indeno(1,2,3-cd)pyrene	50	46	ug/L	92				72	105		
	Dibenz(a,h)anthracene	50	45.1	ug/L	90				78	115		
	Benzo(g,h,i)perylene	50	44	ug/L	88				75	118		
	1,2,4,5-Tetrachlorobenzene	50	45.3	ug/L	91				72	101		
	1,4-Dioxane	50	38.4	ug/L	77				38	125		
	2,3,4,6-Tetrachlorophenol	50	44.9	ug/L	90				63	116		
	1-Methylnaphthalene	50	40.7	ug/L	81				51	114		
PB159308BSD	n-Nitrosodimethylamine	50	46.5	ug/L	93	3			55	108	20	
	Pyridine	50	34.8	ug/L	70	3			29	97	20	
	Benzaldehyde	50	12.5	ug/L	25	7			15	121	20	
	Aniline	50	23.3	ug/L	47	2			10	130	20	
	Phenol	50	41.5	ug/L	83	3			66	118	20	
	bis(2-Chloroethyl)ether	50	45	ug/L	90	0			62	103	20	
	2-Chlorophenol	50	46.7	ug/L	93	3			70	117	20	
	1,2-Dichlorobenzene	50	44.3	ug/L	89	3			72	102	20	
	1,3-Dichlorobenzene	50	43.6	ug/L	87	4			71	103	20	
	1,4-Dichlorobenzene	50	43.4	ug/L	87	2			76	103	20	



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

SDG No.: BF022824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB159308BSD	Benzyl Alcohol	50	52.4	ug/L	105	4	*		36	93	20
	2-Methylphenol	50	40.8	ug/L	82	3			69	109	20
	2,2-oxybis(1-Chloropropane)	50	43.3	ug/L	87	3			52	103	20
	Acetophenone	50	44	ug/L	88	3			60	104	20
	3+4-Methylphenols	50	41.1	ug/L	82	2			67	106	20
	N-Nitroso-di-n-propylamine	50	40.7	ug/L	81	5			57	107	20
	Hexachloroethane	50	43.2	ug/L	86	3			76	118	20
	Nitrobenzene	50	45.4	ug/L	91	3			58	106	20
	Isophorone	50	41.8	ug/L	84	3			61	102	20
	2-Nitrophenol	50	51.4	ug/L	103	3			70	115	20
	2,4-Dimethylphenol	50	39	ug/L	78	3			67	130	20
	bis(2-Chloroethoxy)methane	50	43.6	ug/L	87	2			58	109	20
	2,4-Dichlorophenol	50	45.8	ug/L	92	3			66	115	20
	1,2,4-Trichlorobenzene	50	43.9	ug/L	88	3			41	115	20
	Benzoic acid	50	46.2	ug/L	92	6			10	125	20
	Naphthalene	50	41.4	ug/L	83	3			64	107	20
	4-Chloroaniline	50	11.7	ug/L	23	2			10	85	20
	Hexachlorobutadiene	50	41.8	ug/L	84	2			69	101	20
	Caprolactam	50	49.4	ug/L	99	2			58	128	20
	4-Chloro-3-methylphenol	50	44	ug/L	88	4			65	114	20
	2-Methylnaphthalene	50	38.7	ug/L	77	4			64	107	20
	Hexachlorocyclopentadiene	100	80.6	ug/L	81	1			36	160	20
	2,4,6-Trichlorophenol	50	47.5	ug/L	95	1			61	110	20
	2,4,5-Trichlorophenol	50	41.9	ug/L	84	4			70	106	20
	1,1-Biphenyl	50	43.2	ug/L	86	3			72	98	20
	2-Chloronaphthalene	50	45	ug/L	90	3			59	106	20
	2-Nitroaniline	50	51.8	ug/L	104	3			58	107	20
	Dimethylphthalate	50	42.5	ug/L	85	3			64	103	20
	Acenaphthylene	50	44.1	ug/L	88	3			65	108	20
	2,6-Dinitrotoluene	50	49.5	ug/L	99	3			64	110	20
	3-Nitroaniline	50	27	ug/L	54	5			28	100	20
	Acenaphthene	50	41.9	ug/L	84	1			59	113	20
	Total PAH	800	693.7	ug/L	87	2			59	113	20
	2,4-Dinitrophenol	100	100	ug/L	100	0			64	132	20
	4-Nitrophenol	100	92.8	ug/L	93	1			68	116	20
	Dibenzofuran	50	40.7	ug/L	81	2			65	106	20
	2,4-Dinitrotoluene	50	49	ug/L	98	6			60	115	20
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	98.5	ug/L	99	4			60	115	20
	Diethylphthalate	50	41.8	ug/L	84	3			63	105	20
	4-Chlorophenyl-phenylether	50	38.6	ug/L	77	4			61	104	20
	Fluorene	50	40.3	ug/L	81	3			64	107	20
	4-Nitroaniline	50	48.5	ug/L	97	6			69	112	20
	4,6-Dinitro-2-methylphenol	50	52.4	ug/L	105	1			62	132	20
	N-Nitrosodiphenylamine	50	41.8	ug/L	84	1			61	109	20
	Azobenzene	50	41.5	ug/L	83	3			59	106	20
	4-Bromophenyl-phenylether	50	42	ug/L	84	1			73	103	20



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

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB159308BSD	Hexachlorobenzene	50	43.6	ug/L	87	2			73	106	20
	Atrazine	50	44.4	ug/L	89	3			76	120	20
	Pentachlorophenol	100	80.7	ug/L	81	2			47	114	20
	Phenanthrene	50	40.9	ug/L	82	1			62	109	20
	Anthracene	50	40.9	ug/L	82	1			65	110	20
	Carbazole	50	42.8	ug/L	86	2			62	106	20
	Di-n-butylphthalate	50	48.7	ug/L	97	2			64	106	20
	Fluoranthene	50	42.1	ug/L	84	2			64	110	20
	Benzidine	100	37.6	ug/L	38	5			10	94	20
	Pyrene	50	44.7	ug/L	89	3			71	103	20
	Butylbenzylphthalate	50	69.8	ug/L	140	1	*		61	105	20
	3,3-Dichlorobenzidine	50	41	ug/L	82	3			43	108	20
	Benzo(a)anthracene	50	44.2	ug/L	88	4			62	107	20
	Chrysene	50	43.1	ug/L	86	1			61	108	20
	bis(2-Ethylhexyl)phthalate	50	69	ug/L	138	0	*		59	110	20
	Di-n-octyl phthalate	50	61.5	ug/L	123	2			67	126	20
	Benzo(b)fluoranthene	50	46.9	ug/L	94	1			77	113	20
	Benzo(k)fluoranthene	50	44	ug/L	88	1			64	113	20
	Benzo(a)pyrene	50	44.9	ug/L	90	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	45.5	ug/L	91	1			72	105	20
	Dibenz(a,h)anthracene	50	44.6	ug/L	89	1			78	115	20
	Benzo(g,h,i)perylene	50	44.2	ug/L	88	0			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	43.9	ug/L	88	3			72	101	20
	1,4-Dioxane	50	37.7	ug/L	75	2			38	125	20
	2,3,4,6-Tetrachlorophenol	50	43.7	ug/L	87	3			63	116	20
	1-Methylnaphthalene	50	39.5	ug/L	79	3			51	114	20



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

SDG No.: BF022824

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159325BS	n-Nitrosodimethylamine	50	46.2	ug/L	92				55	108	
	Pyridine	50	33.9	ug/L	68				29	97	
	Benzaldehyde	50		ug/L			*		15	121	
	Aniline	50	23.7	ug/L	47				10	130	
	Phenol	50	42.4	ug/L	85				66	118	
	bis(2-Chloroethyl)ether	50	43.4	ug/L	87				62	103	
	2-Chlorophenol	50	46.7	ug/L	93				70	117	
	1,2-Dichlorobenzene	50	44.5	ug/L	89				72	102	
	1,3-Dichlorobenzene	50	43.8	ug/L	88				71	103	
	1,4-Dichlorobenzene	50	42.3	ug/L	85				76	103	
	Benzyl Alcohol	50	52.1	ug/L	104		*		36	93	
	2-Methylphenol	50	42.3	ug/L	85				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.9	ug/L	88				52	103	
	Acetophenone	50	46	ug/L	92				60	104	
	3+4-Methylphenols	50	41.4	ug/L	83				67	106	
	N-Nitroso-di-n-propylamine	50	41.5	ug/L	83				57	107	
	Hexachloroethane	50	42.5	ug/L	85				76	118	
	Nitrobenzene	50	46.1	ug/L	92				58	106	
	Isophorone	50	42.8	ug/L	86				61	102	
	2-Nitrophenol	50	52.2	ug/L	104				70	115	
	2,4-Dimethylphenol	50	42.1	ug/L	84				67	130	
	bis(2-Chloroethoxy)methane	50	44.2	ug/L	88				58	109	
	2,4-Dichlorophenol	50	46.6	ug/L	93				66	115	
	1,2,4-Trichlorobenzene	50	45	ug/L	90				41	115	
	Benzoic acid	50	48.5	ug/L	97				10	125	
	Naphthalene	50	42	ug/L	84				64	107	
	4-Chloroaniline	50	10.9	ug/L	22				10	85	
	Hexachlorobutadiene	50	43.1	ug/L	86				69	101	
	Caprolactam	50	52.9	ug/L	106				58	128	
	4-Chloro-3-methylphenol	50	45.9	ug/L	92				65	114	
	2-Methylnaphthalene	50	40	ug/L	80				64	107	
	Hexachlorocyclopentadiene	100	81.4	ug/L	81				36	160	
	2,4,6-Trichlorophenol	50	47.4	ug/L	95				61	110	
	2,4,5-Trichlorophenol	50	44.5	ug/L	89				70	106	
	1,1-Biphenyl	50	44.7	ug/L	89				72	98	
	2-Chloronaphthalene	50	45.8	ug/L	92				59	106	
	2-Nitroaniline	50	52.8	ug/L	106				58	107	
	Dimethylphthalate	50	43.3	ug/L	87				64	103	
	Acenaphthylene	50	44.4	ug/L	89				65	108	
	2,6-Dinitrotoluene	50	50.7	ug/L	101				64	110	
	3-Nitroaniline	50	25.1	ug/L	50				28	100	
	Acenaphthene	50	42.3	ug/L	85				59	113	
	Total PAH	800	687.8	ug/L	86				59	113	
	2,4-Dinitrophenol	100	100	ug/L	100				64	132	
	4-Nitrophenol	100	92	ug/L	92				68	116	
	Dibenzofuran	50	41.2	ug/L	82				65	106	



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

SDG No.: BF022824

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159325BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	100	101.2	ug/L	101				60	115	
	2,4-Dinitrotoluene	50	50.5	ug/L	101				60	115	
	Diethylphthalate	50	43.5	ug/L	87				63	105	
	4-Chlorophenyl-phenylether	50	40	ug/L	80				61	104	
	Fluorene	50	41.4	ug/L	83				64	107	
	4-Nitroaniline	50	47.2	ug/L	94				69	112	
	4,6-Dinitro-2-methylphenol	50	51.3	ug/L	103				62	132	
	N-Nitrosodiphenylamine	50	42.3	ug/L	85				61	109	
	Azobenzene	50	42	ug/L	84				59	106	
	4-Bromophenyl-phenylether	50	42.3	ug/L	85				73	103	
	Hexachlorobenzene	50	44.3	ug/L	89				73	106	
	Atrazine	50	50.9	ug/L	102				76	120	
	Pentachlorophenol	100	82.4	ug/L	82				47	114	
	Phenanthrene	50	41.9	ug/L	84				62	109	
	Anthracene	50	41.3	ug/L	83				65	110	
	Carbazole	50	43.9	ug/L	88				62	106	
	Di-n-butylphthalate	50	49.7	ug/L	99				64	106	
	Fluoranthene	50	43	ug/L	86				64	110	
	Benzidine	100	34.4	ug/L	34				10	94	
	Pyrene	50	44.7	ug/L	89				71	103	
	Butylbenzylphthalate	50	71	ug/L	142		*		61	105	
	3,3-Dichlorobenzidine	50	37.4	ug/L	75				43	108	
	Benzo(a)anthracene	50	43.7	ug/L	87				62	107	
	Chrysene	50	42.8	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	70.1	ug/L	140		*		59	110	
	Di-n-octyl phthalate	50	63.5	ug/L	127		*		67	126	
	Benzo(b)fluoranthene	50	47.1	ug/L	94				77	113	
	Benzo(k)fluoranthene	50	42.2	ug/L	84				64	113	
	Benzo(a)pyrene	50	43.4	ug/L	87				72	131	
	Indeno(1,2,3-cd)pyrene	50	43	ug/L	86				72	105	
	Dibenz(a,h)anthracene	50	42.7	ug/L	85				78	115	
	Benzo(g,h,i)perylene	50	41.9	ug/L	84				75	118	
	1,2,4,5-Tetrachlorobenzene	50	45.5	ug/L	91				72	101	
	1,4-Dioxane	50	37.8	ug/L	76				38	125	
	2,3,4,6-Tetrachlorophenol	50	44.8	ug/L	90				63	116	
	1-Methylnaphthalene	50	40.9	ug/L	82				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20240767-AMENDED-CO

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF022824

SAS No.: BF022824 SDG NO.: BF022824

Lab File ID: BF137431.D

Lab Sample ID: P1523-07

Instrument ID: BNA_F

Date Extracted: 02/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 02/28/2024

Level: (low/med) LOW

Time Analyzed: 19:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20240767-AMENDED-COMP-39N-N-3-02	P1523-07	BF137431.D	02/28/2024
20240768-AMENDED-COMP-39N-N-3-03	P1523-08	BF137432.D	02/28/2024
20240768-AMENDED-COMP-39N-N-3-03M	P1523-09MS	BF137433.D	02/28/2024
20240768-AMENDED-COMP-39N-N-3-03M	P1523-10MSD	BF137434.D	02/28/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B1COMP (0-8)

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022824SAS No.: BF022824 SDG NO.: BF022824Lab File ID: BF137437.DLab Sample ID: P1595-01Instrument ID: BNA_FDate Extracted: 02/26/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 22:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B1COMP (0-8)	P1595-01	BF137437.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159308BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022824SAS No.: BF022824 SDG NO.: BF022824Lab File ID: BF137422.DLab Sample ID: PB159308BLInstrument ID: BNA_FDate Extracted: 02/27/2024Matrix: (soil/water) WaterDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 14:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159308BS	PB159308BS	BF137423.D	02/28/2024
PB159308BSD	PB159308BSD	BF137424.D	02/28/2024
MANHOLE-COMP	P1583-01	BF137428.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20241104-AMENDED-CO

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022824SAS No.: BF022824 SDG NO.: BF022824Lab File ID: BF137435.DLab Sample ID: P1538-11Instrument ID: BNA_FDate Extracted: 02/27/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 21:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20241104-AMENDED-COMPOSITE-35N-N-	P1538-11	BF137435.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159325BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022824SAS No.: BF022824 SDG NO.: BF022824Lab File ID: BF137425.DLab Sample ID: PB159325BLInstrument ID: BNA_FDate Extracted: 02/27/2024Matrix: (soil/water) waterDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 16:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159325BS	PB159325BS	BF137426.D	02/28/2024
PB159266TB	PB159266TB	BF137427.D	02/28/2024
VNJ-232MS	P1585-02MS	BF137429.D	02/28/2024
VNJ-232MSD	P1585-02MSD	BF137430.D	02/28/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

		Sample					Rec	RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	P1523-09MS	Client Sample ID:	20240768-AMENDED-COMP-39N-N-					DataFile:	BF137433.D		
n-Nitrosodimethylamine	4200		3000	ug/Kg	71				66	124	
Pyridine	4200		2800	ug/Kg	67				45	119	
Benzaldehyde	4200		950	ug/Kg	23	*			26	163	
Aniline	4200		2300	ug/Kg	55				10	88	
Phenol	4200		3800	ug/Kg	90				67	126	
bis(2-Chloroethyl)ether	4200		3700	ug/Kg	88				74	116	
2-Chlorophenol	4200		3900	ug/Kg	93				61	138	
1,2-Dichlorobenzene	4200		3800	ug/Kg	90				61	105	
1,3-Dichlorobenzene	4200		3800	ug/Kg	90				62	101	
1,4-Dichlorobenzene	4200		3800	ug/Kg	90				63	104	
Benzyl Alcohol	4200		4400	ug/Kg	105				47	126	
2-Methylphenol	4200		3500	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	4200		3900	ug/Kg	93				52	115	
Acetophenone	4200		3800	ug/Kg	90				75	111	
3+4-Methylphenols	4200		3800	ug/Kg	90				53	132	
N-Nitroso-di-n-propylamine	4200		3800	ug/Kg	90				59	119	
Hexachloroethane	4200		3600	ug/Kg	86				65	117	
Nitrobenzene	4200		3800	ug/Kg	90				70	119	
Isophorone	4200		3700	ug/Kg	88				76	122	
2-Nitrophenol	4200		4300	ug/Kg	102				54	145	
2,4-Dimethylphenol	4200		3400	ug/Kg	81	*			83	144	
bis(2-Chloroethoxy)methane	4200		3800	ug/Kg	90				68	112	
2,4-Dichlorophenol	4200		4000	ug/Kg	95				72	118	
1,2,4-Trichlorobenzene	4200		3700	ug/Kg	88				57	103	
Benzoic acid	4200		3800	ug/Kg	90				50	104	
Naphthalene	4200		3600	ug/Kg	86				72	110	
4-Chloroaniline	4200		1400	ug/Kg	33				10	100	
Hexachlorobutadiene	4200		3600	ug/Kg	86				66	114	
Caprolactam	4200		5100	ug/Kg	121				51	134	
4-Chloro-3-methylphenol	4200		4200	ug/Kg	100				57	132	
2-Methylnaphthalene	4200		3700	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	8400		2900	ug/Kg	35				10	175	
2,4,6-Trichlorophenol	4200		3800	ug/Kg	90				72	117	
2,4,5-Trichlorophenol	4200		3600	ug/Kg	86				72	117	
1,1-Biphenyl	4200		3500	ug/Kg	83				75	113	
2-Chloronaphthalene	4200		3600	ug/Kg	86				67	118	
2-Nitroaniline	4200		4500	ug/Kg	107				69	127	
Dimethylphthalate	4200		3800	ug/Kg	90				70	113	
Acenaphthylene	4200		3700	ug/Kg	88				79	118	
2,6-Dinitrotoluene	4200		4300	ug/Kg	102				70	125	
3-Nitroaniline	4200		3300	ug/Kg	79				20	111	
Acenaphthene	4200		3500	ug/Kg	83				70	121	
Total PAH	67200	0	56000	ug/Kg	83				70	121	
2,4-Dinitrophenol	8400		7800	ug/Kg	93				16	160	
4-Nitrophenol	8400		8100	ug/Kg	96				45	133	
Dibenzofuran	4200		3600	ug/Kg	86				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	8400		8900	ug/Kg	106				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	4200		4600	ug/Kg	110				55	128	
Diethylphthalate	4200		4000	ug/Kg	95				70	112	
4-Chlorophenyl-phenylether	4200		3500	ug/Kg	83				71	108	
Fluorene	4200		3600	ug/Kg	86				68	116	
4-Nitroaniline	4200		3800	ug/Kg	90				55	120	
4,6-Dinitro-2-methylphenol	4200		4000	ug/Kg	95				32	145	
N-Nitrosodiphenylamine	4200		3400	ug/Kg	81				73	118	
Azobenzene	4200		3700	ug/Kg	88				73	110	
4-Bromophenyl-phenylether	4200		3400	ug/Kg	81				65	121	
Hexachlorobenzene	4200		3600	ug/Kg	86				67	118	
Atrazine	4200		4300	ug/Kg	102				79	127	
Pentachlorophenol	8400		6100	ug/Kg	73				47	128	
Phenanthrene	4200		3500	ug/Kg	83				72	113	
Anthracene	4200		3500	ug/Kg	83				62	124	
Carbazole	4200		3700	ug/Kg	88				59	119	
Di-n-butylphthalate	4200		4800	ug/Kg	114				69	118	
Fluoranthene	4200		3700	ug/Kg	88				59	125	
Benzidine	8400		2300	ug/Kg	27				10	119	
Pyrene	4200		3600	ug/Kg	86				52	128	
Butylbenzylphthalate	4200		6700	ug/Kg	160	*			64	126	
3,3-Dichlorobenzidine	4200		4400	ug/Kg	105				10	164	
Benzo(a)anthracene	4200		3700	ug/Kg	88				71	114	
Chrysene	4200		3600	ug/Kg	86				57	121	
bis(2-Ethylhexyl)phthalate	4200		7600	ug/Kg	181	*			66	127	
Di-n-octyl phthalate	4200		7100	ug/Kg	169	*			71	126	
Benzo(b)fluoranthene	4200		3800	ug/Kg	90				67	121	
Benzo(k)fluoranthene	4200		3600	ug/Kg	86				74	114	
Benzo(a)pyrene	4200		3600	ug/Kg	86				70	142	
Indeno(1,2,3-cd)pyrene	4200	0	3100	ug/Kg	74				61	125	
Dibenz(a,h)anthracene	4200		3100	ug/Kg	74				67	130	
Benzo(g,h,i)perylene	4200	0	2800	ug/Kg	67				53	140	
1,2,4,5-Tetrachlorobenzene	4200		3500	ug/Kg	83				69	124	
1,4-Dioxane	4200		3100	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	4200		3800	ug/Kg	90				56	133	
1-Methylnaphthalene	4200		3700	ug/Kg	88				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

		Sample			Rec		RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	P1523-10MSD	Client Sample ID:	20240768-AMENDED-COMP-39N-N-					DataFile:	BF137434.D		
n-Nitrosodimethylamine	4200		3200	ug/Kg	76		7		66	124	20
Pyridine	4200		3100	ug/Kg	74		10		45	119	20
Benzaldehyde	4200		980	ug/Kg	23	*	0		26	163	20
Aniline	4200		2500	ug/Kg	60		9		10	88	20
Phenol	4200		4000	ug/Kg	95		5		67	126	20
bis(2-Chloroethyl)ether	4200		4100	ug/Kg	98		11		74	116	20
2-Chlorophenol	4200		4200	ug/Kg	100		7		61	138	20
1,2-Dichlorobenzene	4200		4100	ug/Kg	98		9		61	105	20
1,3-Dichlorobenzene	4200		4000	ug/Kg	95		5		62	101	20
1,4-Dichlorobenzene	4200		4100	ug/Kg	98		9		63	104	20
Benzyl Alcohol	4200		4700	ug/Kg	112		6		47	126	20
2-Methylphenol	4200		3700	ug/Kg	88		6		66	122	20
2,2-oxybis(1-Chloropropane)	4200		4100	ug/Kg	98		5		52	115	20
Acetophenone	4200		4100	ug/Kg	98		9		75	111	20
3+4-Methylphenols	4200		4100	ug/Kg	98		9		53	132	20
N-Nitroso-di-n-propylamine	4200		4000	ug/Kg	95		5		59	119	20
Hexachloroethane	4200		3900	ug/Kg	93		8		65	117	20
Nitrobenzene	4200		4100	ug/Kg	98		9		70	119	20
Isophorone	4200		3900	ug/Kg	93		6		76	122	20
2-Nitrophenol	4200		4500	ug/Kg	107		5		54	145	20
2,4-Dimethylphenol	4200		3600	ug/Kg	86		6		83	144	20
bis(2-Chloroethoxy)methane	4200		4000	ug/Kg	95		5		68	112	20
2,4-Dichlorophenol	4200		4400	ug/Kg	105		10		72	118	20
1,2,4-Trichlorobenzene	4200		4000	ug/Kg	95		8		57	103	20
Benzoic acid	4200		4000	ug/Kg	95		5		50	104	20
Naphthalene	4200		3900	ug/Kg	93		8		72	110	20
4-Chloroaniline	4200		1500	ug/Kg	36		9		10	100	20
Hexachlorobutadiene	4200		3900	ug/Kg	93		8		66	114	20
Caprolactam	4200		5400	ug/Kg	129		6		51	134	20
4-Chloro-3-methylphenol	4200		4400	ug/Kg	105		5		57	132	20
2-Methylnaphthalene	4200		3900	ug/Kg	93		6		59	123	20
Hexachlorocyclopentadiene	8400		2800	ug/Kg	33		6		10	175	20
2,4,6-Trichlorophenol	4200		4100	ug/Kg	98		9		72	117	20
2,4,5-Trichlorophenol	4200		3800	ug/Kg	90		5		72	117	20
1,1-Biphenyl	4200		3900	ug/Kg	93		11		75	113	20
2-Chloronaphthalene	4200		4000	ug/Kg	95		10		67	118	20
2-Nitroaniline	4200		4900	ug/Kg	117		9		69	127	20
Dimethylphthalate	4200		4100	ug/Kg	98		9		70	113	20
Acenaphthylene	4200		4100	ug/Kg	98		11		79	118	20
2,6-Dinitrotoluene	4200		4800	ug/Kg	114		11		70	125	20
3-Nitroaniline	4200		3700	ug/Kg	88		11		20	111	20
Acenaphthene	4200		3800	ug/Kg	90		8		70	121	20
Total PAH	67200	0	60400	ug/Kg	90		8		70	121	20
2,4-Dinitrophenol	8400		8500	ug/Kg	101		8		16	160	20
4-Nitrophenol	8400		9000	ug/Kg	107		11		45	133	20
Dibenzofuran	4200		4000	ug/Kg	95		10		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	8400		9900	ug/Kg	118		11		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	4200		5100	ug/Kg	121		10		55	128	20
Diethylphthalate	4200		4400	ug/Kg	105		10		70	112	20
4-Chlorophenyl-phenylether	4200		3900	ug/Kg	93		11		71	108	20
Fluorene	4200		4000	ug/Kg	95		10		68	116	20
4-Nitroaniline	4200		4000	ug/Kg	95		5		55	120	20
4,6-Dinitro-2-methylphenol	4200		4400	ug/Kg	105		10		32	145	20
N-Nitrosodiphenylamine	4200		3700	ug/Kg	88		8		73	118	20
Azobenzene	4200		4100	ug/Kg	98		11		73	110	20
4-Bromophenyl-phenylether	4200		3800	ug/Kg	90		11		65	121	20
Hexachlorobenzene	4200		3800	ug/Kg	90		5		67	118	20
Atrazine	4200		4600	ug/Kg	110		8		79	127	20
Pentachlorophenol	8400		6500	ug/Kg	77		5		47	128	20
Phenanthrene	4200		3800	ug/Kg	90		8		72	113	20
Anthracene	4200		3700	ug/Kg	88		6		62	124	20
Carbazole	4200		4000	ug/Kg	95		8		59	119	20
Di-n-butylphthalate	4200		5100	ug/Kg	121	*	6		69	118	20
Fluoranthene	4200		3900	ug/Kg	93		6		59	125	20
Benzidine	8400		2400	ug/Kg	29		7		10	119	20
Pyrene	4200		3900	ug/Kg	93		8		52	128	20
Butylbenzylphthalate	4200		7000	ug/Kg	167	*	4		64	126	20
3,3-Dichlorobenzidine	4200		4600	ug/Kg	110		5		10	164	20
Benzo(a)anthracene	4200		4000	ug/Kg	95		8		71	114	20
Chrysene	4200		4000	ug/Kg	95		10		57	121	20
bis(2-Ethylhexyl)phthalate	4200		8000	ug/Kg	190	*	5		66	127	20
Di-n-octyl phthalate	4200		7400	ug/Kg	176	*	4		71	126	20
Benzo(b)fluoranthene	4200		4200	ug/Kg	100		11		67	121	20
Benzo(k)fluoranthene	4200		3800	ug/Kg	90		5		74	114	20
Benzo(a)pyrene	4200		3900	ug/Kg	93		8		70	142	20
Indeno(1,2,3-cd)pyrene	4200	0	3300	ug/Kg	79		7		61	125	20
Dibenz(a,h)anthracene	4200		3200	ug/Kg	76		3		67	130	20
Benzo(g,h,i)perylene	4200	0	2900	ug/Kg	69		3		53	140	20
1,2,4,5-Tetrachlorobenzene	4200		3800	ug/Kg	90		8		69	124	20
1,4-Dioxane	4200		3400	ug/Kg	81		9		46	112	20
2,3,4,6-Tetrachlorophenol	4200		4100	ug/Kg	98		9		56	133	20
1-Methylnaphthalene	4200		3900	ug/Kg	93		6		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
Lab Sample ID:	P1585-02MS	Client Sample ID:	VNJ-232MS					DataFile:	BF137429.D		
n-Nitrosodimethylamine	500		470	ug/L	94				10	130	
Pyridine	500		310	ug/L	62				10	109	
Benzaldehyde	500		42.9	ug/L	9	*			10	137	
Aniline	500		230	ug/L	46				10	130	
Phenol	500		440	ug/L	88				10	130	
bis(2-Chloroethyl)ether	500		490	ug/L	98				29	141	
2-Chlorophenol	500		510	ug/L	102				23	127	
1,2-Dichlorobenzene	500		490	ug/L	98				61	114	
1,3-Dichlorobenzene	500		490	ug/L	98				65	106	
1,4-Dichlorobenzene	500		470	ug/L	94				55	125	
Benzyl Alcohol	500		580	ug/L	116	*			31	94	
2-Methylphenol	500		450	ug/L	90				23	132	
2,2-oxybis(1-Chloropropane)	500		500	ug/L	100				36	141	
Acetophenone	500		500	ug/L	100				31	164	
3+4-Methylphenols	500		480	ug/L	96				17	136	
N-Nitroso-di-n-propylamine	500		490	ug/L	98				36	147	
Hexachloroethane	500		460	ug/L	92				35	137	
Nitrobenzene	500		500	ug/L	100				40	134	
Isophorone	500		490	ug/L	98				39	146	
2-Nitrophenol	500		530	ug/L	106				30	148	
2,4-Dimethylphenol	500		440	ug/L	88				17	143	
bis(2-Chloroethoxy)methane	500		500	ug/L	100				39	143	
2,4-Dichlorophenol	500		530	ug/L	106				22	146	
1,2,4-Trichlorobenzene	500		480	ug/L	96				66	110	
Benzoic acid	500		490	ug/L	98				10	101	
Naphthalene	500		470	ug/L	94				17	157	
4-Chloroaniline	500		100	ug/L	20				10	95	
Hexachlorobutadiene	500		470	ug/L	94				52	125	
Caprolactam	500		630	ug/L	126				10	130	
4-Chloro-3-methylphenol	500		540	ug/L	108				17	148	
2-Methylnaphthalene	500		470	ug/L	94				38	146	
Hexachlorocyclopentadiene	1000		660	ug/L	66				20	153	
2,4,6-Trichlorophenol	500		520	ug/L	104				46	139	
2,4,5-Trichlorophenol	500		490	ug/L	98				42	129	
1,1-Biphenyl	500		470	ug/L	94				38	154	
2-Chloronaphthalene	500		490	ug/L	98				41	145	
2-Nitroaniline	500		590	ug/L	118				39	151	
Dimethylphthalate	500		520	ug/L	104				42	147	
Acenaphthylene	500		520	ug/L	104				40	141	
2,6-Dinitrotoluene	500		580	ug/L	116				43	148	
3-Nitroaniline	500		390	ug/L	78				10	111	
Acenaphthene	500		480	ug/L	96				37	146	
Total PAH	8000		7590	ug/L	95				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		490	ug/L	98				41	145	
2,4-Dinitrotoluene	500		630	ug/L	126				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

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	1000		1210	ug/L	121				40	151	
Diethylphthalate	500		550	ug/L	110				41	148	
4-Chlorophenyl-phenylether	500		480	ug/L	96				38	149	
Fluorene	500		500	ug/L	100				39	144	
4-Nitroaniline	500		550	ug/L	110				27	138	
4,6-Dinitro-2-methylphenol	500		530	ug/L	106				32	175	
N-Nitrosodiphenylamine	500		470	ug/L	94				40	150	
Azobenzene	500		520	ug/L	104				72	112	
4-Bromophenyl-phenylether	500		480	ug/L	96				42	151	
Hexachlorobenzene	500		490	ug/L	98				60	129	
Atrazine	500		600	ug/L	120				20	162	
Pentachlorophenol	1000		920	ug/L	92				15	137	
Phenanthrene	500		480	ug/L	96				40	147	
Anthracene	500		470	ug/L	94				41	146	
Carbazole	500		510	ug/L	102				37	154	
Di-n-butylphthalate	500		650	ug/L	130				40	151	
Fluoranthene	500		510	ug/L	102				42	146	
Benzidine	1000		140	ug/L	14				10	130	
Pyrene	500		450	ug/L	90				41	149	
Butylbenzylphthalate	500		820	ug/L	164	*			39	155	
3,3-Dichlorobenzidine	500		490	ug/L	98				10	114	
Benzo(a)anthracene	500		510	ug/L	102				41	147	
Chrysene	500		490	ug/L	98				44	144	
bis(2-Ethylhexyl)phthalate	500		950	ug/L	190	*			33	160	
Di-n-octyl phthalate	500		900	ug/L	180	*			36	158	
Benzo(b)fluoranthene	500		530	ug/L	106				40	150	
Benzo(k)fluoranthene	500		480	ug/L	96				40	147	
Benzo(a)pyrene	500		480	ug/L	96				42	147	
Indeno(1,2,3-cd)pyrene	500		420	ug/L	84				30	166	
Dibenz(a,h)anthracene	500		420	ug/L	84				23	172	
Benzo(g,h,i)perylene	500		380	ug/L	76				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		420	ug/L	84				38	130	
2,3,4,6-Tetrachlorophenol	500		530	ug/L	106				91	111	
1-Methylnaphthalene	500		470	ug/L	94				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1585-02MSD	Client Sample ID:	VNJ-232MSD				DataFile:	BF137430.D			
n-Nitrosodimethylamine	50		49.5	ug/L	99		5		10	130	20
Pyridine	50		32.3	ug/L	65		5		10	109	20
Benzaldehyde	50		4.5	ug/L	9	*	0		10	137	20
Aniline	50		22.3	ug/L	45		2		10	130	20
Phenol	50		44.7	ug/L	89		1		10	130	20
bis(2-Chloroethyl)ether	50		48.7	ug/L	97		1		29	141	20
2-Chlorophenol	50		51.9	ug/L	104		2		23	127	20
1,2-Dichlorobenzene	50		49.7	ug/L	99		1		61	114	20
1,3-Dichlorobenzene	50		48.5	ug/L	97		1		65	106	20
1,4-Dichlorobenzene	50		49.4	ug/L	99		5		55	125	20
Benzyl Alcohol	50		58.3	ug/L	117	*	1		31	94	20
2-Methylphenol	50		45.2	ug/L	90		0		23	132	20
2,2-oxybis(1-Chloropropane)	50		50.9	ug/L	102		2		36	141	20
Acetophenone	50		50.7	ug/L	101		1		31	164	20
3+4-Methylphenols	50		48.8	ug/L	98		2		17	136	20
N-Nitroso-di-n-propylamine	50		50	ug/L	100		2		36	147	20
Hexachloroethane	50		47.5	ug/L	95		3		35	137	20
Nitrobenzene	50		52.1	ug/L	104		4		40	134	20
Isophorone	50		50.7	ug/L	101		3		39	146	20
2-Nitrophenol	50		56.4	ug/L	113		6		30	148	20
2,4-Dimethylphenol	50		46	ug/L	92		4		17	143	20
bis(2-Chloroethoxy)methane	50		51.7	ug/L	103		3		39	143	20
2,4-Dichlorophenol	50		54.6	ug/L	109		3		22	146	20
1,2,4-Trichlorobenzene	50		49.6	ug/L	99		3		66	110	20
Benzoic acid	50		51.4	ug/L	103	*	5		10	101	20
Naphthalene	50		48.3	ug/L	97		3		17	157	20
4-Chloroaniline	50		11.4	ug/L	23		14		10	95	20
Hexachlorobutadiene	50		47.7	ug/L	95		1		52	125	20
Caprolactam	50		63.6	ug/L	127		1		10	130	20
4-Chloro-3-methylphenol	50		55.3	ug/L	111		3		17	148	20
2-Methylnaphthalene	50		48.7	ug/L	97		3		38	146	20
Hexachlorocyclopentadiene	100		69.1	ug/L	69		4		20	153	20
2,4,6-Trichlorophenol	50		52	ug/L	104		0		46	139	20
2,4,5-Trichlorophenol	50		51.1	ug/L	102		4		42	129	20
1,1-Biphenyl	50		48.4	ug/L	97		3		38	154	20
2-Chloronaphthalene	50		49.6	ug/L	99		1		41	145	20
2-Nitroaniline	50		59.7	ug/L	119		1		39	151	20
Dimethylphthalate	50		52.5	ug/L	105		1		42	147	20
Acenaphthylene	50		51.7	ug/L	103		1		40	141	20
2,6-Dinitrotoluene	50		60.6	ug/L	121		4		43	148	20
3-Nitroaniline	50		40.3	ug/L	81		4		10	111	20
Acenaphthene	50		48.8	ug/L	98		2		37	146	20
Total PAH	800		771.3	ug/L	96		1		37	146	20
2,4-Dinitrophenol	100		110	ug/L	110		0		14	167	20
4-Nitrophenol	100		110	ug/L	110		0		10	130	20
Dibenzofuran	50		49.6	ug/L	99		1		41	145	20
2,4-Dinitrotoluene	50		64	ug/L	128		2		40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF022824

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	100		124.6	ug/L	125		3		40	151	20
Diethylphthalate	50		56.4	ug/L	113		3		41	148	20
4-Chlorophenyl-phenylether	50		48.6	ug/L	97		1		38	149	20
Fluorene	50		50	ug/L	100		0		39	144	20
4-Nitroaniline	50		53.9	ug/L	108		2		27	138	20
4,6-Dinitro-2-methylphenol	50		55.7	ug/L	111		5		32	175	20
N-Nitrosodiphenylamine	50		47.4	ug/L	95		1		40	150	20
Azobenzene	50		53	ug/L	106		2		72	112	20
4-Bromophenyl-phenylether	50		48.8	ug/L	98		2		42	151	20
Hexachlorobenzene	50		50.5	ug/L	101		3		60	129	20
Atrazine	50		61.3	ug/L	123		2		20	162	20
Pentachlorophenol	100		94.4	ug/L	94		2		15	137	20
Phenanthrene	50		48	ug/L	96		0		40	147	20
Anthracene	50		48.2	ug/L	96		2		41	146	20
Carbazole	50		52.4	ug/L	105		3		37	154	20
Di-n-butylphthalate	50		66.9	ug/L	134		3		40	151	20
Fluoranthene	50		52.5	ug/L	105		3		42	146	20
Benzidine	100		13.9	ug/L	14		0		10	130	20
Pyrene	50		45	ug/L	90		0		41	149	20
Butylbenzylphthalate	50		83.9	ug/L	168	*	2		39	155	20
3,3-Dichlorobenzidine	50		50.1	ug/L	100		2		10	114	20
Benzo(a)anthracene	50		50.2	ug/L	100		2		41	147	20
Chrysene	50		50.1	ug/L	100		2		44	144	20
bis(2-Ethylhexyl)phthalate	50		94.7	ug/L	189	*	1		33	160	20
Di-n-octyl phthalate	50		92	ug/L	184	*	2		36	158	20
Benzo(b)fluoranthene	50		55.2	ug/L	110		4		40	150	20
Benzo(k)fluoranthene	50		50.1	ug/L	100		4		40	147	20
Benzo(a)pyrene	50		50.2	ug/L	100		4		42	147	20
Indeno(1,2,3-cd)pyrene	50		42.3	ug/L	85		1		30	166	20
Dibenz(a,h)anthracene	50		42.6	ug/L	85		1		23	172	20
Benzo(g,h,i)perylene	50		38.1	ug/L	76		0		27	167	20
1,2,4,5-Tetrachlorobenzene	50		47.9	ug/L	96		4		89	102	20
1,4-Dioxane	50		43.2	ug/L	86		2		38	130	20
2,3,4,6-Tetrachlorophenol	50		53	ug/L	106		0		91	111	20
1-Methylnaphthalene	50		48.8	ug/L	98		4		25	151	20



Surrogate Summary
SW-846

SDG No.: BF022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1523-07	20240767-AMENDBF137431.D		2-Fluorophenol	150	54.55	36		18	112
			Phenol-d6	150	67.03	45		15	107
			Nitrobenzene-d5	100	58.39	58		18	107
			2-Fluorobiphenyl	100	54.42	54		20	109
			2,4,6-Tribromophenol	150	35.79	24		10	110
			Terphenyl-d14	100	46.40	46		14	112
P1523-08	20240768-AMENDBF137432.D		2-Fluorophenol	150	44.06	29		18	112
			Phenol-d6	150	73.76	49		15	107
			Nitrobenzene-d5	100	78.23	78		18	107
			2-Fluorobiphenyl	100	68.35	68		20	109
			2,4,6-Tribromophenol	150	23.78	16		10	110
			Terphenyl-d14	100	58.36	58		14	112
P1523-09MS	20240768-AMENDBF137433.D		2-Fluorophenol	150	43.10	29		18	112
			Phenol-d6	150	71.47	48		15	107
			Nitrobenzene-d5	100	78.73	79		18	107
			2-Fluorobiphenyl	100	65.28	65		20	109
			2,4,6-Tribromophenol	150	25.85	17		10	110
			Terphenyl-d14	100	63.65	64		14	112
P1523-10MSD	20240768-AMENDBF137434.D		2-Fluorophenol	150	46.85	31		18	112
			Phenol-d6	150	76.07	51		15	107
			Nitrobenzene-d5	100	84.11	84		18	107
			2-Fluorobiphenyl	100	70.76	71		20	109
			2,4,6-Tribromophenol	150	29.03	19		10	110
			Terphenyl-d14	100	70.08	70		14	112



Surrogate Summary
SW-846

SDG No.: BF022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1538-12RE	20241105-AMEND	BF137436.D	2-Fluorophenol	150	22.54	15	*	18	112
			Phenol-d6	150	41.41	28		15	107
			Nitrobenzene-d5	100	53.61	54		18	107
			2-Fluorobiphenyl	100	51.07	51		20	109
			2,4,6-Tribromophenol	150	11.80	8	*	10	110
			Terphenyl-d14	100	48.01	48		14	112



Surrogate Summary
SW-846

SDG No.: BF022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1595-01	B1COMP(0-8)	BF137437.D	2-Fluorophenol	150	5.36	4	*	18	112
			Phenol-d6	150	46.88	31		15	107
			Nitrobenzene-d5	100	53.37	53		18	107
			2-Fluorobiphenyl	100	53.45	53		20	109
			2,4,6-Tribromophenol	150	2.85	2	*	10	110
			Terphenyl-d14	100	39.12	39		14	112

Surrogate Summary

SW-846

SDG No.: BF022824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1583-01	MANHOLE-COMFBF137428.D		2-Fluorophenol	150	56.77	38		10	139
			Phenol-d6	150	30.53	20		10	134
			Nitrobenzene-d5	100	92.23	92		49	133
			2-Fluorobiphenyl	100	85.39	85		52	132
			2,4,6-Tribromophenol	150	130.77	87		32	145
			Terphenyl-d14	100	72.72	73		36	145
PB159308BL	PB159308BL	BF137422.D	2-Fluorophenol	150	117.58	78		10	139
			Phenol-d6	150	110.11	73		10	134
			Nitrobenzene-d5	100	85.16	85		49	133
			2-Fluorobiphenyl	100	74.54	75		52	132
			2,4,6-Tribromophenol	150	122.45	82		32	145
			Terphenyl-d14	100	61.62	62		36	145
PB159308BS	PB159308BS	BF137423.D	2-Fluorophenol	150	127.02	85		10	139
			Phenol-d6	150	121.46	81		10	134
			Nitrobenzene-d5	100	90.40	90		49	133
			2-Fluorobiphenyl	100	81.04	81		52	132
			2,4,6-Tribromophenol	150	131.53	88		32	145
			Terphenyl-d14	100	85.26	85		36	145
PB159308BSD	PB159308BSD	BF137424.D	2-Fluorophenol	150	125.80	84		10	139
			Phenol-d6	150	117.29	78		10	134
			Nitrobenzene-d5	100	87.92	88		49	133
			2-Fluorobiphenyl	100	78.45	78		52	132
			2,4,6-Tribromophenol	150	128.72	86		32	145
			Terphenyl-d14	100	83.02	83		36	145



Surrogate Summary
SW-846

SDG No.: BF022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1538-11	20241104-AMEND BF137435.D		2-Fluorophenol	150	61.71	41		18	112
			Phenol-d6	150	96.80	65		15	107
			Nitrobenzene-d5	100	79.63	80		18	107
			2-Fluorobiphenyl	100	71.37	71		20	109
			2,4,6-Tribromophenol	150	49.22	33		10	110
			Terphenyl-d14	100	64.65	65		14	112



Surrogate Summary

SW-846

SDG No.: BF022824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1585-02MS	VNJ-232MS	BF137429.D	2-Fluorophenol	150	140.94	94		10	139
			Phenol-d6	150	126.06	84		10	134
			Nitrobenzene-d5	100	98.80	99		49	133
			2-Fluorobiphenyl	100	88.35	88		52	132
			2,4,6-Tribromophenol	150	159.48	106		32	145
			Terphenyl-d14	100	86.42	86		36	145
P1585-02MSD	VNJ-232MSD	BF137430.D	2-Fluorophenol	150	147.39	98		10	139
			Phenol-d6	150	128.36	86		10	134
			Nitrobenzene-d5	100	101.90	102		49	133
			2-Fluorobiphenyl	100	89.99	90		52	132
			2,4,6-Tribromophenol	150	163.53	109		32	145
			Terphenyl-d14	100	87.70	88		36	145
PB159266TB	PB159266TB	BF137427.D	2-Fluorophenol	150	128.60	86		10	139
			Phenol-d6	150	120.10	80		10	134
			Nitrobenzene-d5	100	89.60	90		49	133
			2-Fluorobiphenyl	100	78.25	78		52	132
			2,4,6-Tribromophenol	150	129.66	86		32	145
			Terphenyl-d14	100	72.21	72		36	145
PB159325BL	PB159325BL	BF137425.D	2-Fluorophenol	150	123.97	83		10	139
			Phenol-d6	150	116.78	78		10	134
			Nitrobenzene-d5	100	90.25	90		49	133
			2-Fluorobiphenyl	100	81.01	81		52	132
			2,4,6-Tribromophenol	150	123.15	82		32	145
			Terphenyl-d14	100	69.08	69		36	145
PB159325BS	PB159325BS	BF137426.D	2-Fluorophenol	150	127.83	85		10	139
			Phenol-d6	150	119.42	80		10	134
			Nitrobenzene-d5	100	91.09	91		49	133
			2-Fluorobiphenyl	100	80.85	81		52	132
			2,4,6-Tribromophenol	150	131.75	88		32	145
			Terphenyl-d14	100	83.82	84		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF022824

Lab Code: CHEM

SAS No.: BF022824 SDG NO.: BF022824

Lab File ID: BF137420.D

DFTPP Injection Date: 02/28/2024

Instrument ID: BNA_F

DFTPP Injection Time: 13:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.2
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.6
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	94.1
443	15.0 - 24.0% of mass 442	18.6 (19.7) 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	BF137421.D	02/28/2024	14:25
PB159308BL	PB159308BL	BF137422.D	02/28/2024	14:54
PB159308BS	PB159308BS	BF137423.D	02/28/2024	15:23
PB159308BSD	PB159308BSD	BF137424.D	02/28/2024	15:53
PB159325BL	PB159325BL	BF137425.D	02/28/2024	16:22
PB159325BS	PB159325BS	BF137426.D	02/28/2024	16:51
PB159266TB	PB159266TB	BF137427.D	02/28/2024	17:21
MANHOLE-COMP	P1583-01	BF137428.D	02/28/2024	17:53
VNJ-232MS	P1585-02MS	BF137429.D	02/28/2024	18:22
VNJ-232MSD	P1585-02MSD	BF137430.D	02/28/2024	18:51
20240767-AMENDED-COMP-39N-N-3-02	P1523-07	BF137431.D	02/28/2024	19:21
20240768-AMENDED-COMP-39N-N-3-03	P1523-08	BF137432.D	02/28/2024	19:50
20240768-AMENDED-COMP-39N-N-3-03	P1523-09MS	BF137433.D	02/28/2024	20:19
20240768-AMENDED-COMP-39N-N-3-03	P1523-10MSD	BF137434.D	02/28/2024	20:49
20241104-AMENDED-COMPOSITE-35N-N	P1538-11	BF137435.D	02/28/2024	21:19
20241105-AMENDED-COMPOSITE-35N-N	P1538-12RE	BF137436.D	02/28/2024	21:48
B1COMP (0-8)	P1595-01	BF137437.D	02/28/2024	22:17