

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG No.: BM081023

Instrument ID: BNA_M Calibration Date/Time: 8/10/2023 1:09:19

Lab File ID: BM041354.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.696	0.612	0.010	-12.069	20.0
Pyridine	1.505	1.429	0.010	-5.05	20.0
2-Fluorophenol	1.338	1.216	0.010	-9.118	20.0
Benzaldehyde	0.915	0.847	0.010	-7.432	20.0
Aniline	2.030	1.982	0.010	-2.365	20.0
Phenol-d6	1.735	1.624	0.010	-6.398	20.0
Phenol	1.675	1.564	0.010	-6.627	20.0
bis(2-Chloroethyl)ether	1.356	1.293	0.010	-4.646	20.0
2-Chlorophenol	1.306	1.231	0.010	-5.743	20.0
1,2-Dichlorobenzene	1.370	1.301	0.010	-5.036	20.0
1,3-Dichlorobenzene	1.422	1.318	0.010	-7.314	20.0
1,4-Dichlorobenzene	1.429	1.334	0.010	-6.648	20.0
Benzyl Alcohol	1.095	1.211	0.010	10.594	20.0
2-Methylphenol	1.145	1.163	0.010	1.572	20.0
2,2-oxybis(1-Chloropropane)	1.807	1.554	0.010	-14.001	20.0
Acetophenone	0.530	0.501	0.010	-5.472	20.0
3+4-Methylphenols	1.530	1.604	0.010	4.837	20.0
n-Nitroso-di-n-propylamine	1.054	1.176	0.010	11.575	20.0
Nitrobenzene-d5	0.430	0.395	0.010	-8.14	20.0
Hexachloroethane	0.532	0.504	0.010	-5.263	20.0
Nitrobenzene	0.435	0.398	0.010	-8.506	20.0
Isophorone	0.730	0.770	0.010	5.479	20.0
2-Nitrophenol	0.170	0.180	0.010	5.882	20.0
2,4-Dimethylphenol	0.299	0.290	0.010	-3.01	20.0
bis(2-Chloroethoxy)methane	0.457	0.424	0.010	-7.221	20.0
2,4-Dichlorophenol	0.302	0.309	0.010	2.318	20.0
1,2,4-Trichlorobenzene	0.333	0.331	0.010	-0.601	20.0
Benzoic acid	0.198	0.240	0.010	21.212	20.0
Naphthalene	1.085	0.990	0.010	-8.756	20.0
4-Chloroaniline	0.434	0.429	0.010	-1.152	20.0
Hexachlorobutadiene	0.200	0.213	0.010	6.5	20.0
Caprolactam	0.087	0.110	0.010	26.437	20.0
4-Chloro-3-methylphenol	0.318	0.348	0.010	9.434	20.0
2-Methylnaphthalene	0.732	0.740	0.010	1.093	20.0
Hexachlorocyclopentadiene	0.344	0.264	0.010	-23.256	20.0
2,4,6-Trichlorophenol	0.416	0.419	0.010	0.721	20.0
2-Fluorobiphenyl	1.583	1.399	0.010	-11.623	20.0
2,4,5-Trichlorophenol	0.482	0.497	0.010	3.112	20.0
1,1-Biphenyl	1.621	1.425	0.010	-12.091	20.0
2-Chloronaphthalene	1.211	1.091	0.010	-9.909	20.0
2-Nitroaniline	0.386	0.377	0.010	-2.332	20.0

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_M Calibration Date/Time: 8/10/2023 1:09:19

Lab File ID: BM041354.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.504	1.537	0.010	2.194	20.0
Acenaphthylene	1.954	1.825	0.010	-6.602	20.0
2,6-Dinitrotoluene	0.312	0.334	0.010	7.051	20.0
3-Nitroaniline	0.326	0.335	0.010	2.761	20.0
Acenaphthene	1.177	1.082	0.010	-8.071	20.0
2,4-Dinitrophenol	0.180	0.210	0.010	16.667	20.0
4-Nitrophenol	0.260	0.225	0.010	-13.462	20.0
Dibenzofuran	1.921	1.819	0.010	-5.31	20.0
2,4-Dinitrotoluene	0.402	0.471	0.010	17.164	20.0
Diethylphthalate	1.455	1.555	0.010	6.873	20.0
4-Chlorophenyl-phenylether	0.759	0.788	0.010	3.821	20.0
Fluorene	1.515	1.474	0.010	-2.706	20.0
4-Nitroaniline	0.284	0.301	0.010	5.986	20.0
4,6-Dinitro-2-methylphenol	0.121	0.130	0.010	7.438	20.0
n-Nitrosodiphenylamine	0.622	0.551	0.010	-11.415	20.0
Azobenzene	1.594	1.542	0.010	-3.262	20.0
2,4,6-Tribromophenol	0.283	0.319	0.010	12.721	20.0
4-Bromophenyl-phenylether	0.219	0.214	0.010	-2.283	20.0
Hexachlorobenzene	0.244	0.236	0.010	-3.279	20.0
Atrazine	0.163	0.179	0.010	9.816	20.0
Pentachlorophenol	0.169	0.178	0.010	5.325	20.0
Phenanthrene	1.111	1.006	0.010	-9.451	20.0
Anthracene	1.099	1.027	0.010	-6.551	20.0
Carbazole	0.995	0.925	0.010	-7.035	20.0
Di-n-butylphthalate	1.124	1.215	0.010	8.096	20.0
Fluoranthene	1.248	1.278	0.010	2.404	20.0
Benzidine	0.273	0.256	0.010	-6.227	20.0
Pyrene	1.399	1.279	0.010	-8.578	20.0
Terphenyl-d14	1.106	1.035	0.010	-6.42	20.0
Butylbenzylphthalate	0.511	0.563	0.010	10.176	20.0
3,3-Dichlorobenzidine	0.442	0.440	0.010	-0.452	20.0
Benzo (a) anthracene	1.356	1.330	0.010	-1.917	20.0
Chrysene	1.311	1.274	0.010	-2.822	20.0
Bis (2-ethylhexyl) phthalate	0.730	0.833	0.010	14.11	20.0
Di-n-octyl phthalate	1.291	1.462	0.010	13.246	20.0
Benzo (b) fluoranthene	1.188	1.142	0.010	-3.872	20.0
Benzo (k) fluoranthene	1.215	1.111	0.010	-8.56	20.0
Benzo (a) pyrene	1.142	1.087	0.010	-4.816	20.0
Indeno (1,2,3-cd) pyrene	1.470	1.309	0.010	-10.952	20.0
Dibenzo (a,h) anthracene	1.226	1.107	0.010	-9.706	20.0
Benzo (g,h,i) perylene	1.200	1.071	0.010	-10.75	20.0



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Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG No.: BM081023

Instrument ID: BNA_M Calibration Date/Time: 8/10/2023 1:09:19

Lab File ID: BM041354.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.649	0.600	0.010	-7.55	20.0
2,3,4,6-Tetrachlorophenol	0.390	0.424	0.010	8.718	20.0
1,4-Dioxane	0.572	0.487	0.010	-14.86	20.0

All other compounds must meet a minimum RRF of 0.010.



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG No.: BM081023

Instrument ID: BNA_M Calibration Date/Time: 8/10/2023 1:13:20

Lab File ID: BM041360.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.696	0.572	0.010	-17.816	20.0
Pyridine	1.505	1.318	0.010	-12.425	20.0
2-Fluorophenol	1.338	1.147	0.010	-14.275	20.0
Benzaldehyde	0.915	0.800	0.010	-12.568	20.0
Aniline	2.030	1.938	0.010	-4.532	20.0
Phenol-d6	1.735	1.578	0.010	-9.049	20.0
Phenol	1.675	1.524	0.010	-9.015	20.0
bis(2-Chloroethyl)ether	1.356	1.253	0.010	-7.596	20.0
2-Chlorophenol	1.306	1.211	0.010	-7.274	20.0
1,2-Dichlorobenzene	1.370	1.312	0.010	-4.234	20.0
1,3-Dichlorobenzene	1.422	1.312	0.010	-7.736	20.0
1,4-Dichlorobenzene	1.429	1.333	0.010	-6.718	20.0
Benzyl Alcohol	1.095	1.191	0.010	8.767	20.0
2-Methylphenol	1.145	1.136	0.010	-0.786	20.0
2,2-oxybis(1-Chloropropane)	1.807	1.504	0.010	-16.768	20.0
Acetophenone	0.530	0.497	0.010	-6.226	20.0
3+4-Methylphenols	1.530	1.560	0.010	1.961	20.0
n-Nitroso-di-n-propylamine	1.054	1.163	0.010	10.342	20.0
Nitrobenzene-d5	0.430	0.396	0.010	-7.907	20.0
Hexachloroethane	0.532	0.503	0.010	-5.451	20.0
Nitrobenzene	0.435	0.401	0.010	-7.816	20.0
Isophorone	0.730	0.779	0.010	6.712	20.0
2-Nitrophenol	0.170	0.178	0.010	4.706	20.0
2,4-Dimethylphenol	0.299	0.290	0.010	-3.01	20.0
bis(2-Chloroethoxy)methane	0.457	0.433	0.010	-5.252	20.0
2,4-Dichlorophenol	0.302	0.311	0.010	2.98	20.0
1,2,4-Trichlorobenzene	0.333	0.335	0.010	0.601	20.0
Benzoic acid	0.198	0.234	0.010	18.182	20.0
Naphthalene	1.085	1.005	0.010	-7.373	20.0
4-Chloroaniline	0.434	0.440	0.010	1.382	20.0
Hexachlorobutadiene	0.200	0.218	0.010	9.0	20.0
Caprolactam	0.087	0.111	0.010	27.586	20.0
4-Chloro-3-methylphenol	0.318	0.350	0.010	10.063	20.0
2-Methylnaphthalene	0.732	0.753	0.010	2.869	20.0
Hexachlorocyclopentadiene	0.344	0.278	0.010	-19.186	20.0
2,4,6-Trichlorophenol	0.416	0.413	0.010	-0.721	20.0
2-Fluorobiphenyl	1.583	1.384	0.010	-12.571	20.0
2,4,5-Trichlorophenol	0.482	0.485	0.010	0.622	20.0
1,1-Biphenyl	1.621	1.404	0.010	-13.387	20.0
2-Chloronaphthalene	1.211	1.076	0.010	-11.148	20.0
2-Nitroaniline	0.386	0.368	0.010	-4.663	20.0

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 Instrument ID: BNA_M Calibration Date/Time: 8/10/2023 1:13:20
 Lab File ID: BM041360.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.504	1.535	0.010	2.061	20.0
Acenaphthylene	1.954	1.805	0.010	-7.625	20.0
2,6-Dinitrotoluene	0.312	0.331	0.010	6.09	20.0
3-Nitroaniline	0.326	0.329	0.010	0.92	20.0
Acenaphthene	1.177	1.083	0.010	-7.986	20.0
2,4-Dinitrophenol	0.180	0.207	0.010	15.0	20.0
4-Nitrophenol	0.260	0.216	0.010	-16.923	20.0
Dibenzofuran	1.921	1.810	0.010	-5.778	20.0
2,4-Dinitrotoluene	0.402	0.476	0.010	18.408	20.0
Diethylphthalate	1.455	1.578	0.010	8.454	20.0
4-Chlorophenyl-phenylether	0.759	0.793	0.010	4.48	20.0
Fluorene	1.515	1.482	0.010	-2.178	20.0
4-Nitroaniline	0.284	0.301	0.010	5.986	20.0
4,6-Dinitro-2-methylphenol	0.121	0.130	0.010	7.438	20.0
n-Nitrosodiphenylamine	0.622	0.551	0.010	-11.415	20.0
Azobenzene	1.594	1.566	0.010	-1.757	20.0
2,4,6-Tribromophenol	0.283	0.321	0.010	13.428	20.0
4-Bromophenyl-phenylether	0.219	0.212	0.010	-3.196	20.0
Hexachlorobenzene	0.244	0.237	0.010	-2.869	20.0
Atrazine	0.163	0.179	0.010	9.816	20.0
Pentachlorophenol	0.169	0.175	0.010	3.55	20.0
Phenanthrene	1.111	1.010	0.010	-9.091	20.0
Anthracene	1.099	1.029	0.010	-6.369	20.0
Carbazole	0.995	0.939	0.010	-5.628	20.0
Di-n-butylphthalate	1.124	1.237	0.010	10.053	20.0
Fluoranthene	1.248	1.290	0.010	3.365	20.0
Benzidine	0.273	0.279	0.010	2.198	20.0
Pyrene	1.399	1.272	0.010	-9.078	20.0
Terphenyl-d14	1.106	1.029	0.010	-6.962	20.0
Butylbenzylphthalate	0.511	0.555	0.010	8.611	20.0
3,3-Dichlorobenzidine	0.442	0.435	0.010	-1.584	20.0
Benzo (a) anthracene	1.356	1.314	0.010	-3.097	20.0
Chrysene	1.311	1.244	0.010	-5.111	20.0
Bis(2-ethylhexyl)phthalate	0.730	0.833	0.010	14.11	20.0
Di-n-octyl phthalate	1.291	1.436	0.010	11.232	20.0
Benzo (b) fluoranthene	1.188	1.149	0.010	-3.283	20.0
Benzo (k) fluoranthene	1.215	1.126	0.010	-7.325	20.0
Benzo (a) pyrene	1.142	1.092	0.010	-4.378	20.0
Indeno (1,2,3-cd) pyrene	1.470	1.240	0.010	-15.646	20.0
Dibenzo (a,h) anthracene	1.226	1.052	0.010	-14.192	20.0
Benzo (g,h,i) perylene	1.200	0.972	0.010	-19.0	20.0



7C

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Instrument ID: BNA_M Calibration Date/Time: 8/10/2023 1:13:20

Lab File ID: BM041360.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.649	0.592	0.010	-8.783	20.0
2,3,4,6-Tetrachlorophenol	0.390	0.428	0.010	9.744	20.0
1,4-Dioxane	0.572	0.478	0.010	-16.434	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BS	SDG No.:	BM081023
Lab Sample ID:	PB154720BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM041355.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.1		2	8	10	ug/L
110-86-1	Pyridine	35.6		1.8	4	5	ug/L
100-52-7	Benzaldehyde	38.6		3.3	8	10	ug/L
62-53-3	Aniline	36.1		2.4	4	5	ug/L
108-95-2	Phenol	56		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.5		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	56.4		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	53.9		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	52.7		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	53.3		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	62.5		2.4	8	10	ug/L
95-48-7	2-Methylphenol	55.6		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.4		2.3	4	5	ug/L
98-86-2	Acetophenone	48.9		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	56		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	55.6		2	4	5	ug/L
67-72-1	Hexachloroethane	54.1		1.6	4	5	ug/L
98-95-3	Nitrobenzene	47.1		1.7	4	5	ug/L
78-59-1	Isophorone	52.4		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	55.7		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	51		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.2		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	58.3		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	53.6		1.7	4	5	ug/L
65-85-0	Benzoic acid	54		6.7	8	10	ug/L
91-20-3	Naphthalene	47.5		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	19.4		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	56.7		1.9	4	5	ug/L
105-60-2	Caprolactam	61.6		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	58.3		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	49.6		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BS	SDG No.:	BM081023
Lab Sample ID:	PB154720BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM041355.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	56.6		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	53.7		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	47.6		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	50.1		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	50.3		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	52.8		1.9	4	5	ug/L
208-96-8	Acenaphthylene	50.8		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	56.2		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	35		2.4	4	5	ug/L
83-32-9	Acenaphthene	48.3		1.7	4	5	ug/L
Total PAH	Total PAH	794.3		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	99	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.5		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	54.8		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11		4.6	4	10	ug/L
84-66-2	Diethylphthalate	55		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	54.3		2.2	4	5	ug/L
86-73-7	Fluorene	50.8		2	4	5	ug/L
100-01-6	4-Nitroaniline	45.1		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.9		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.6		2	4	5	ug/L
103-33-3	Azobenzene	50		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	52.2		2	4	5	ug/L
118-74-1	Hexachlorobenzene	55.3		1.9	4	5	ug/L
1912-24-9	Atrazine	70.1		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	94.4	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	48.6		2	4	5	ug/L
120-12-7	Anthracene	50.1		2.3	4	5	ug/L
86-74-8	Carbazole	49.3		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	55.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	52.1		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BS	SDG No.:	BM081023
Lab Sample ID:	PB154720BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM041355.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	92.2	E	6.6	8	10	ug/L
129-00-0	Pyrene	50		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	57.2		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	46.4		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	52.2		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	53.8		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	58.8		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	53.7		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48.6		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.4		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.7		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.2		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47.2		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.4		2.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	59.2		1.3	4	5	ug/L
123-91-1	1,4-Dioxane	36.3		2.4	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	102.079		60-140		102	SPK: -100
13127-88-3	Phenol-d6	100.75		60-140		101	SPK: -100
4165-60-0	Nitrobenzene-d5	92.755		60-140		93	SPK: -100
321-60-8	2-Fluorobiphenyl	92.297		60-140		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	110.724		60-140		111	SPK: -100
1718-51-0	Terphenyl-d14	103.751		60-140		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149774	7.781				
1146-65-2	Naphthalene-d8	636017	10.586				
15067-26-2	Acenaphthene-d10	411625	14.445				
1517-22-2	Phenanthrene-d10	926193	17.209				
1719-03-5	Chrysene-d12	893684	21.415				
1520-96-3	Perylene-d12	1045353	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BS	SDG No.:	BM081023
Lab Sample ID:	PB154720BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM041355.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene	51.2					

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BSD	SDG No.:	BM081023
Lab Sample ID:	PB154720BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM041356.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.2		2	8	10	ug/L
110-86-1	Pyridine	35.9		1.8	4	5	ug/L
100-52-7	Benzaldehyde	38.6		3.3	8	10	ug/L
62-53-3	Aniline	34.9		2.4	4	5	ug/L
108-95-2	Phenol	56.8		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.2		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	56.6		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	53.9		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	52.5		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	53.2		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	63.7		2.4	8	10	ug/L
95-48-7	2-Methylphenol	56.5		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46		2.3	4	5	ug/L
98-86-2	Acetophenone	49.1		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	57.4		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	56.8		2	4	5	ug/L
67-72-1	Hexachloroethane	53.9		1.6	4	5	ug/L
98-95-3	Nitrobenzene	46.9		1.7	4	5	ug/L
78-59-1	Isophorone	52.8		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	56.5		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	52.4		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.2		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	59.7		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	54.5		1.7	4	5	ug/L
65-85-0	Benzoic acid	55.5		6.7	8	10	ug/L
91-20-3	Naphthalene	47.9		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	20.9		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	56.9		1.9	4	5	ug/L
105-60-2	Caprolactam	65.8		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	61		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	50.8		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BSD	SDG No.:	BM081023
Lab Sample ID:	PB154720BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM041356.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	100	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	56.2		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	53.1		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	46.6		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	48.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	49.9		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	53		1.9	4	5	ug/L
208-96-8	Acenaphthylene	50.3		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	56		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	34.6		2.4	4	5	ug/L
83-32-9	Acenaphthene	47.9		1.7	4	5	ug/L
Total PAH	Total PAH	794.6		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.3		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11.3		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	55.3		2.5	4	5	ug/L
84-66-2	Diethylphthalate	55.3		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	53.8		2.2	4	5	ug/L
86-73-7	Fluorene	51.1		2	4	5	ug/L
100-01-6	4-Nitroaniline	46.4		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	56.9		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.6		2	4	5	ug/L
103-33-3	Azobenzene	50.5		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	51.9		2	4	5	ug/L
118-74-1	Hexachlorobenzene	55		1.9	4	5	ug/L
1912-24-9	Atrazine	70.8		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	95.5	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	49		2	4	5	ug/L
120-12-7	Anthracene	50.7		2.3	4	5	ug/L
86-74-8	Carbazole	50.5		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	56.9		2.4	4	5	ug/L
206-44-0	Fluoranthene	54.1		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BSD	SDG No.:	BM081023
Lab Sample ID:	PB154720BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM041356.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	92.2	E	6.6	8	10	ug/L
129-00-0	Pyrene	48.6		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	56.8		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	46.1		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	52.2		1.5	4	5	ug/L
218-01-9	Chrysene	49.9		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	53.2		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	59.9		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	52.6		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	50.7		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.4		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.3		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.8		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46.1		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.8		2.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	60.7		1.3	4	5	ug/L
123-91-1	1,4-Dioxane	37.2		2.4	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	101.888		60-140		102	SPK: -100
13127-88-3	Phenol-d6	102.271		60-140		102	SPK: -100
4165-60-0	Nitrobenzene-d5	92.854		60-140		93	SPK: -100
321-60-8	2-Fluorobiphenyl	90.167		60-140		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	111.624		60-140		112	SPK: -100
1718-51-0	Terphenyl-d14	100.971		60-140		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134601	7.775				
1146-65-2	Naphthalene-d8	571012	10.586				
15067-26-2	Acenaphthene-d10	388141	14.445				
1517-22-2	Phenanthrene-d10	882007	17.204				
1719-03-5	Chrysene-d12	916470	21.415				
1520-96-3	Perylene-d12	1081312	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BSD	SDG No.:	BM081023
Lab Sample ID:	PB154720BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041356.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene	52.6					

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BL	SDG No.:	BM081023
Lab Sample ID:	PB154720BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM041357.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

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	4	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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BL	SDG No.:	BM081023
Lab Sample ID:	PB154720BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM041357.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BL	SDG No.:	BM081023
Lab Sample ID:	PB154720BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM041357.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

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
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	87.619		60-140		88	SPK: -100
13127-88-3	Phenol-d6	80.863		60-140		81	SPK: -100
4165-60-0	Nitrobenzene-d5	82.967		60-140		83	SPK: -100
321-60-8	2-Fluorobiphenyl	80.513		60-140		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.681		60-140		99	SPK: -100
1718-51-0	Terphenyl-d14	97.37		60-140		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164644	7.781				
1146-65-2	Naphthalene-d8	636932	10.586				
15067-26-2	Acenaphthene-d10	438173	14.445				
1517-22-2	Phenanthrene-d10	1044628	17.21				
1719-03-5	Chrysene-d12	1062903	21.415				
1520-96-3	Perylene-d12	1159558	23.786				

TENTATIVE IDENTIFIED COMPOUNDS



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

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154720BL	SDG No.:	BM081023
Lab Sample ID:	PB154720BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM041357.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	41.9	A			4.893	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BM081023
Lab Sample ID:	O3937-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	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
BM041358.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.1	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8.2	10.2	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.1	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8.2	10.2	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.1	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	4.1	5.1	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.1	ug/L
78-59-1	Isophorone	1.7	U	1.7	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4.1	5.1	ug/L
65-85-0	Benzoic acid	9	J	6.8	8.2	10.2	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.1	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BM081023
Lab Sample ID:	O3937-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	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
BM041358.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.1	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.1	ug/L
Total PAH	Total PAH	31.5	U	31.5	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.2	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.1	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.1	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4.1	5.1	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.1	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.2	ug/L
85-01-8	Phenanthrene	2	U	2	4.1	5.1	ug/L
120-12-7	Anthracene	2.3	U	2.3	4.1	5.1	ug/L
86-74-8	Carbazole	1.7	U	1.7	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4.1	5.1	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BM081023
Lab Sample ID:	O3937-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	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
BM041358.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.7	U	6.7	8.2	10.2	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.1	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	J	3	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	30.405	*	60-140		30	SPK: -100
13127-88-3	Phenol-d6	16.345	*	60-140		16	SPK: -100
4165-60-0	Nitrobenzene-d5	71.957		60-140		72	SPK: -100
321-60-8	2-Fluorobiphenyl	72.192		60-140		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.763		60-140		87	SPK: -100
1718-51-0	Terphenyl-d14	68.429		60-140		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114708	7.775				
1146-65-2	Naphthalene-d8	454662	10.58				
15067-26-2	Acenaphthene-d10	301584	14.439				
1517-22-2	Phenanthrene-d10	699726	17.204				
1719-03-5	Chrysene-d12	726388	21.409				
1520-96-3	Perylene-d12	844326	23.774				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BM081023
Lab Sample ID:	O3937-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	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
BM041358.D	1	8/9/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154720

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	12.2	A			4.887	
000122-99-6	Ethanol, 2-phenoxy-	4.1	J			10.975	
029878-31-7	1H-Benzotriazole, 4-methyl-	68.4	J			14.78	
000136-85-6	1H-Benzotriazole, 5-methyl-	9	J			15.198	
000544-63-8	Tetradecanoic acid	3.3	J			16.604	
000112-69-6	Dimethyl palmitamine	2.6	J			17.751	
000057-10-3	n-Hexadecanoic acid	160	J			18.127	
000112-80-1	Oleic Acid	8.4	J			19.268	
000112-79-8	9-Octadecenoic acid, (E)-	7	J			19.309	
000057-11-4	Octadecanoic acid	130	J			19.403	
007614-21-3	Hexadeca-2,6,10,14-tetraen-1-ol, 3	2.9	J			20.356	
000506-30-9	Eicosanoic acid	2.5	J			20.48	
074339-54-1	Trichloroacetic acid, hexadecyl es	5.1	J			21.109	
000111-02-4	Squalene	3	J			22.627	
1000267-68-3	Thiazolidine-5-carboxylic acid, 2-	18	J			24.838	
000057-88-5	Cholesterol	90.1	J			25.138	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	8/10/2023 12:00:00 AM
Project:		Date Received:	8/10/2023 12:00:00 AM
Client Sample ID:	PB154742BL	SDG No.:	BM081023
Lab Sample ID:	PB154742BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BM041361.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

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

Report of Analysis

Client:		Date Collected:	8/10/2023 12:00:00 AM
Project:		Date Received:	8/10/2023 12:00:00 AM
Client Sample ID:	PB154742BL	SDG No.:	BM081023
Lab Sample ID:	PB154742BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BM041361.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

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

Report of Analysis

Client:		Date Collected:	8/10/2023 12:00:00 AM
Project:		Date Received:	8/10/2023 12:00:00 AM
Client Sample ID:	PB154742BL	SDG No.:	BM081023
Lab Sample ID:	PB154742BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BM041361.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	141.164		18-112		94	SPK: -150
13127-88-3	Phenol-d6	132.652		15-107		88	SPK: -150
4165-60-0	Nitrobenzene-d5	88.968		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	86.628		20-109		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	164.033		10-110		109	SPK: -150
1718-51-0	Terphenyl-d14	105.128		14-112		105	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155836	7.781				
1146-65-2	Naphthalene-d8	602135	10.586				
15067-26-2	Acenaphthene-d10	401577	14.445				
1517-22-2	Phenanthrene-d10	968472	17.209				
1719-03-5	Chrysene-d12	924312	21.415				
1520-96-3	Perylene-d12	1004004	23.785				



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Report of Analysis

Client:		Date Collected:	8/10/2023 12:00:00 AM
Project:		Date Received:	8/10/2023 12:00:00 AM
Client Sample ID:	PB154742BL	SDG No.:	BM081023
Lab Sample ID:	PB154742BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BM041361.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	71.7	J			18.109	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-15	SDG No.:	BM081023
Lab Sample ID:	O3954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	50.07	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
BM041362.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.7	U	52.7	180	220	ug/Kg
110-86-1	Pyridine	49.4	U	49.4	88.6	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	220	ug/Kg
62-53-3	Aniline	79.8	U	79.8	88.6	120	ug/Kg
108-95-2	Phenol	50.7	U	50.7	88.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.2	U	61.2	88.6	120	ug/Kg
95-57-8	2-Chlorophenol	49.1	U	49.1	88.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.7	U	55.7	88.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.3	U	60.3	88.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.2	U	56.2	88.6	120	ug/Kg
100-51-6	Benzyl Alcohol	67.3	U	67.3	180	220	ug/Kg
95-48-7	2-Methylphenol	77.7	U	77.7	88.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.6	U	71.6	88.6	120	ug/Kg
98-86-2	Acetophenone	59.1	U	59.1	88.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.6	U	73.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.2	U	40.2	54.5	54.5	ug/Kg
67-72-1	Hexachloroethane	50.2	U	50.2	88.6	120	ug/Kg
98-95-3	Nitrobenzene	51.3	U	51.3	88.6	120	ug/Kg
78-59-1	Isophorone	46.4	U	46.4	88.6	120	ug/Kg
88-75-5	2-Nitrophenol	64.8	U	64.8	88.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.9	U	67.9	88.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.3	U	76.3	88.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.2	U	53.2	88.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.8	U	52.8	88.6	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	55.5	U	55.5	88.6	120	ug/Kg
106-47-8	4-Chloroaniline	71.6	U	71.6	88.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.3	U	57.3	88.6	120	ug/Kg
105-60-2	Caprolactam	79.8	U	79.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.2	U	56.2	88.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.7	U	64.7	88.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-15	SDG No.:	BM081023
Lab Sample ID:	O3954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	50.07	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
BM041362.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.6	U	52.6	88.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.9	U	59.9	88.6	120	ug/Kg
92-52-4	1,1-Biphenyl	62.2	U	62.2	88.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.7	U	57.7	88.6	120	ug/Kg
88-74-4	2-Nitroaniline	67.7	U	67.7	88.6	120	ug/Kg
131-11-3	Dimethylphthalate	60.6	U	60.6	88.6	120	ug/Kg
208-96-8	Acenaphthylene	60.3	U	60.3	88.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.3	U	61.3	88.6	120	ug/Kg
99-09-2	3-Nitroaniline	63.7	U	63.7	88.6	120	ug/Kg
83-32-9	Acenaphthene	54.7	U	54.7	88.6	120	ug/Kg
Total PAH	Total PAH	979.7	U	979.7	88.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.7	U	77.7	180	220	ug/Kg
132-64-9	Dibenzofuran	52.4	U	52.4	88.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.1	U	68.1	88.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	29.4	U	129.4	88.6	240	ug/Kg
84-66-2	Diethylphthalate	58.6	U	58.6	88.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.6	U	61.6	88.6	120	ug/Kg
86-73-7	Fluorene	57.8	U	57.8	88.6	120	ug/Kg
100-01-6	4-Nitroaniline	70.9	U	70.9	88.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.8	U	59.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.6	U	63.6	88.6	120	ug/Kg
103-33-3	Azobenzene	50.1	U	50.1	88.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.4	U	66.4	88.6	120	ug/Kg
118-74-1	Hexachlorobenzene	67.3	U	67.3	88.6	120	ug/Kg
1912-24-9	Atrazine	65	U	65	88.6	120	ug/Kg
87-86-5	Pentachlorophenol	75.7	U	75.7	180	220	ug/Kg
85-01-8	Phenanthrene	63.2	U	63.2	88.6	120	ug/Kg
120-12-7	Anthracene	69.5	U	69.5	88.6	120	ug/Kg
86-74-8	Carbazole	57.9	U	57.9	88.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	70.9	U	70.9	88.6	120	ug/Kg
206-44-0	Fluoranthene	64.3	U	64.3	88.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-15	SDG No.:	BM081023
Lab Sample ID:	O3954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	50.07	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
BM041362.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	57.1	U	57.1	88.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.2	U	70.2	88.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	57.2	U	57.2	88.6	120	ug/Kg
218-01-9	Chrysene	59.2	U	59.2	88.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.4	U	78.4	88.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	83.8	U	83.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.7	U	54.7	88.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.1	U	60.1	88.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.3	U	64.3	88.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.9	U	72.9	88.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.8	U	65.8	88.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.1	U	63.1	88.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.9	U	60.9	88.6	120	ug/Kg
123-91-1	1,4-Dioxane	79.8	U	79.8	88.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.5	U	56.5	88.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.5	U	61.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62.397		18-112		42	SPK: -150
13127-88-3	Phenol-d6	58.941		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	40.664		18-107		41	SPK: -100
321-60-8	2-Fluorobiphenyl	41.454		20-109		41	SPK: -100
118-79-6	2,4,6-Tribromophenol	59.727		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	43.211		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113998	7.776				
1146-65-2	Naphthalene-d8	438357	10.582				
15067-26-2	Acenaphthene-d10	261572	14.44				
1517-22-2	Phenanthrene-d10	530867	17.205				
1719-03-5	Chrysene-d12	490966	21.41				
1520-96-3	Perylene-d12	628688	23.775				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-15	SDG No.:	BM081023
Lab Sample ID:	O3954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	50.07	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
BM041362.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	750	J			2.741	
000994-05-8	Butane, 2-methoxy-2-methyl-	220	J			2.947	
000057-10-3	n-Hexadecanoic acid	640	J			18.111	
000057-11-4	Octadecanoic acid	340	J			19.393	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BM081023
Lab Sample ID:	O3954-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041363.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.5	U	52.5	180	220	ug/Kg
110-86-1	Pyridine	49.2	U	49.2	88.3	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	220	ug/Kg
62-53-3	Aniline	79.5	U	79.5	88.3	120	ug/Kg
108-95-2	Phenol	50.5	U	50.5	88.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61	U	61	88.3	120	ug/Kg
95-57-8	2-Chlorophenol	48.9	U	48.9	88.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.5	U	55.5	88.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.1	U	60.1	88.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56	U	56	88.3	120	ug/Kg
100-51-6	Benzyl Alcohol	67.1	U	67.1	180	220	ug/Kg
95-48-7	2-Methylphenol	77.4	U	77.4	88.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.3	U	71.3	88.3	120	ug/Kg
98-86-2	Acetophenone	58.9	U	58.9	88.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.3	U	73.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.1	U	40.1	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	50	U	50	88.3	120	ug/Kg
98-95-3	Nitrobenzene	51.1	U	51.1	88.3	120	ug/Kg
78-59-1	Isophorone	46.2	U	46.2	88.3	120	ug/Kg
88-75-5	2-Nitrophenol	64.6	U	64.6	88.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.6	U	67.6	88.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.1	U	76.1	88.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53	U	53	88.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.6	U	52.6	88.3	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	55.3	U	55.3	88.3	120	ug/Kg
106-47-8	4-Chloroaniline	71.3	U	71.3	88.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	57	U	57	88.3	120	ug/Kg
105-60-2	Caprolactam	79.5	U	79.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56	U	56	88.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.4	U	64.4	88.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BM081023
Lab Sample ID:	O3954-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041363.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.4	U	52.4	88.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.7	U	59.7	88.3	120	ug/Kg
92-52-4	1,1-Biphenyl	62	U	62	88.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.5	U	57.5	88.3	120	ug/Kg
88-74-4	2-Nitroaniline	67.4	U	67.4	88.3	120	ug/Kg
131-11-3	Dimethylphthalate	60.4	U	60.4	88.3	120	ug/Kg
208-96-8	Acenaphthylene	60	U	60	88.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.1	U	61.1	88.3	120	ug/Kg
99-09-2	3-Nitroaniline	63.4	U	63.4	88.3	120	ug/Kg
83-32-9	Acenaphthene	54.5	U	54.5	88.3	120	ug/Kg
Total PAH	Total PAH	975.8	U	975.8	88.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.4	U	77.4	180	220	ug/Kg
132-64-9	Dibenzofuran	52.2	U	52.2	88.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	28.9	U	128.9	88.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	67.8	U	67.8	88.3	120	ug/Kg
84-66-2	Diethylphthalate	58.3	U	58.3	88.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.4	U	61.4	88.3	120	ug/Kg
86-73-7	Fluorene	57.6	U	57.6	88.3	120	ug/Kg
100-01-6	4-Nitroaniline	70.6	U	70.6	88.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.6	U	59.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.4	U	63.4	88.3	120	ug/Kg
103-33-3	Azobenzene	49.9	U	49.9	88.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.1	U	66.1	88.3	120	ug/Kg
118-74-1	Hexachlorobenzene	67.1	U	67.1	88.3	120	ug/Kg
1912-24-9	Atrazine	64.8	U	64.8	88.3	120	ug/Kg
87-86-5	Pentachlorophenol	75.4	U	75.4	180	220	ug/Kg
85-01-8	Phenanthrene	63	U	63	88.3	120	ug/Kg
120-12-7	Anthracene	69.3	U	69.3	88.3	120	ug/Kg
86-74-8	Carbazole	57.7	U	57.7	88.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	70.6	U	70.6	88.3	120	ug/Kg
206-44-0	Fluoranthene	64.1	U	64.1	88.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BM081023
Lab Sample ID:	O3954-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041363.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	56.8	U	56.8	88.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	69.9	U	69.9	88.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	57	U	57	88.3	120	ug/Kg
218-01-9	Chrysene	58.9	U	58.9	88.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.1	U	78.1	88.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	83.5	U	83.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.5	U	54.5	88.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.8	U	59.8	88.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	64	U	64	88.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.7	U	72.7	88.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.5	U	65.5	88.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.8	U	62.8	88.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.7	U	60.7	88.3	120	ug/Kg
123-91-1	1,4-Dioxane	79.5	U	79.5	88.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.3	U	56.3	88.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.3	U	61.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.592		18-112		54	SPK: -150
13127-88-3	Phenol-d6	74.167		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	50.417		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	50.327		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	81.046		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	52.231		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140590	7.775				
1146-65-2	Naphthalene-d8	528707	10.581				
15067-26-2	Acenaphthene-d10	308797	14.445				
1517-22-2	Phenanthrene-d10	599742	17.204				
1719-03-5	Chrysene-d12	531729	21.409				
1520-96-3	Perylene-d12	666488	23.78				



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

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BM081023
Lab Sample ID:	O3954-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041363.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	50.04	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
BM041364.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.7	U	52.7	180	220	ug/Kg
110-86-1	Pyridine	49.3	U	49.3	88.6	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	220	ug/Kg
62-53-3	Aniline	79.7	U	79.7	88.6	120	ug/Kg
108-95-2	Phenol	50.7	U	50.7	88.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.2	U	61.2	88.6	120	ug/Kg
95-57-8	2-Chlorophenol	49.1	U	49.1	88.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.7	U	55.7	88.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.3	U	60.3	88.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.1	U	56.1	88.6	120	ug/Kg
100-51-6	Benzyl Alcohol	67.3	U	67.3	180	220	ug/Kg
95-48-7	2-Methylphenol	77.7	U	77.7	88.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.5	U	71.5	88.6	120	ug/Kg
98-86-2	Acetophenone	59.1	U	59.1	88.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.6	U	73.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.2	U	40.2	54.5	54.5	ug/Kg
67-72-1	Hexachloroethane	50.1	U	50.1	88.6	120	ug/Kg
98-95-3	Nitrobenzene	51.2	U	51.2	88.6	120	ug/Kg
78-59-1	Isophorone	46.4	U	46.4	88.6	120	ug/Kg
88-75-5	2-Nitrophenol	64.8	U	64.8	88.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.9	U	67.9	88.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.3	U	76.3	88.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.2	U	53.2	88.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.8	U	52.8	88.6	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	55.5	U	55.5	88.6	120	ug/Kg
106-47-8	4-Chloroaniline	71.5	U	71.5	88.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.2	U	57.2	88.6	120	ug/Kg
105-60-2	Caprolactam	79.7	U	79.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.2	U	56.2	88.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.7	U	64.7	88.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	50.04	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
BM041364.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.5	U	52.5	88.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.9	U	59.9	88.6	120	ug/Kg
92-52-4	1,1-Biphenyl	62.2	U	62.2	88.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.6	U	57.6	88.6	120	ug/Kg
88-74-4	2-Nitroaniline	67.7	U	67.7	88.6	120	ug/Kg
131-11-3	Dimethylphthalate	60.6	U	60.6	88.6	120	ug/Kg
208-96-8	Acenaphthylene	60.2	U	60.2	88.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.3	U	61.3	88.6	120	ug/Kg
99-09-2	3-Nitroaniline	63.6	U	63.6	88.6	120	ug/Kg
83-32-9	Acenaphthene	54.7	U	54.7	88.6	120	ug/Kg
Total PAH	Total PAH	979	U	979	88.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.7	U	77.7	180	220	ug/Kg
132-64-9	Dibenzofuran	52.4	U	52.4	88.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.1	U	68.1	88.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	29.4	U	129.4	88.6	240	ug/Kg
84-66-2	Diethylphthalate	58.5	U	58.5	88.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.6	U	61.6	88.6	120	ug/Kg
86-73-7	Fluorene	57.8	U	57.8	88.6	120	ug/Kg
100-01-6	4-Nitroaniline	70.9	U	70.9	88.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.8	U	59.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.6	U	63.6	88.6	120	ug/Kg
103-33-3	Azobenzene	50.1	U	50.1	88.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.4	U	66.4	88.6	120	ug/Kg
118-74-1	Hexachlorobenzene	67.3	U	67.3	88.6	120	ug/Kg
1912-24-9	Atrazine	65	U	65	88.6	120	ug/Kg
87-86-5	Pentachlorophenol	75.6	U	75.6	180	220	ug/Kg
85-01-8	Phenanthrene	63.2	U	63.2	88.6	120	ug/Kg
120-12-7	Anthracene	69.5	U	69.5	88.6	120	ug/Kg
86-74-8	Carbazole	57.8	U	57.8	88.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	70.9	U	70.9	88.6	120	ug/Kg
206-44-0	Fluoranthene	64.3	U	64.3	88.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	50.04	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
BM041364.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	57	U	57	88.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.2	U	70.2	88.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	57.2	U	57.2	88.6	120	ug/Kg
218-01-9	Chrysene	59.1	U	59.1	88.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.3	U	78.3	88.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	83.8	U	83.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.7	U	54.7	88.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60	U	60	88.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.2	U	64.2	88.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.9	U	72.9	88.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.7	U	65.7	88.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63	U	63	88.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.9	U	60.9	88.6	120	ug/Kg
123-91-1	1,4-Dioxane	79.7	U	79.7	88.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.5	U	56.5	88.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.5	U	61.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.088		18-112		49	SPK: -150
13127-88-3	Phenol-d6	67.763		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	45.642		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	47.738		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.17		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	53.502		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125985	7.775				
1146-65-2	Naphthalene-d8	466512	10.581				
15067-26-2	Acenaphthene-d10	275343	14.445				
1517-22-2	Phenanthrene-d10	539181	17.204				
1719-03-5	Chrysene-d12	487904	21.409				
1520-96-3	Perylene-d12	602459	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	50.04	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
BM041364.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	400	J			18.104	
000057-11-4	Octadecanoic acid	190	J			19.392	
074685-30-6	5-Eicosene, (E)-	62.2	J			21.109	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
Sample Wt/Vol:	50.07	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
BM041365.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.6	U	53.6	190	230	ug/Kg
110-86-1	Pyridine	50.2	U	50.2	90.2	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	81.1	U	81.1	90.2	120	ug/Kg
108-95-2	Phenol	51.6	U	51.6	90.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.3	U	62.3	90.2	120	ug/Kg
95-57-8	2-Chlorophenol	49.9	U	49.9	90.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.7	U	56.7	90.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.4	U	61.4	90.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.1	U	57.1	90.2	120	ug/Kg
100-51-6	Benzyl Alcohol	68.5	U	68.5	190	230	ug/Kg
95-48-7	2-Methylphenol	79.1	U	79.1	90.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.8	U	72.8	90.2	120	ug/Kg
98-86-2	Acetophenone	60.1	U	60.1	90.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.9	U	74.9	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.9	U	40.9	55.5	55.5	ug/Kg
67-72-1	Hexachloroethane	51	U	51	90.2	120	ug/Kg
98-95-3	Nitrobenzene	52.1	U	52.1	90.2	120	ug/Kg
78-59-1	Isophorone	47.2	U	47.2	90.2	120	ug/Kg
88-75-5	2-Nitrophenol	65.9	U	65.9	90.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	90.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.7	U	77.7	90.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.2	U	54.2	90.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.7	U	53.7	90.2	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.4	U	56.4	90.2	120	ug/Kg
106-47-8	4-Chloroaniline	72.8	U	72.8	90.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.3	U	58.3	90.2	120	ug/Kg
105-60-2	Caprolactam	81.1	U	81.1	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.2	U	57.2	90.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.8	U	65.8	90.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
Sample Wt/Vol:	50.07	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
BM041365.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53.5	U	53.5	90.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61	U	61	90.2	120	ug/Kg
92-52-4	1,1-Biphenyl	63.3	U	63.3	90.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.7	U	58.7	90.2	120	ug/Kg
88-74-4	2-Nitroaniline	68.9	U	68.9	90.2	120	ug/Kg
131-11-3	Dimethylphthalate	61.6	U	61.6	90.2	120	ug/Kg
208-96-8	Acenaphthylene	61.3	U	61.3	90.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62.4	U	62.4	90.2	120	ug/Kg
99-09-2	3-Nitroaniline	64.8	U	64.8	90.2	120	ug/Kg
83-32-9	Acenaphthene	55.7	U	55.7	90.2	120	ug/Kg
Total PAH	Total PAH	996.5	U	996.5	90.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.1	U	79.1	190	230	ug/Kg
132-64-9	Dibenzofuran	53.3	U	53.3	90.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.3	U	69.3	90.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	31.7	U	131.7	90.2	240	ug/Kg
84-66-2	Diethylphthalate	59.6	U	59.6	90.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.7	U	62.7	90.2	120	ug/Kg
86-73-7	Fluorene	58.8	U	58.8	90.2	120	ug/Kg
100-01-6	4-Nitroaniline	72.1	U	72.1	90.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.9	U	60.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.7	U	64.7	90.2	120	ug/Kg
103-33-3	Azobenzene	51	U	51	90.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.5	U	67.5	90.2	120	ug/Kg
118-74-1	Hexachlorobenzene	68.5	U	68.5	90.2	120	ug/Kg
1912-24-9	Atrazine	66.2	U	66.2	90.2	120	ug/Kg
87-86-5	Pentachlorophenol	77	U	77	190	230	ug/Kg
85-01-8	Phenanthrene	64.3	U	64.3	90.2	120	ug/Kg
120-12-7	Anthracene	70.7	U	70.7	90.2	120	ug/Kg
86-74-8	Carbazole	58.9	U	58.9	90.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	72.1	U	72.1	90.2	120	ug/Kg
206-44-0	Fluoranthene	65.5	U	65.5	90.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
Sample Wt/Vol:	50.07	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
BM041365.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	190	230	ug/Kg
129-00-0	Pyrene	58	U	58	90.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	90.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	58.2	U	58.2	90.2	120	ug/Kg
218-01-9	Chrysene	60.2	U	60.2	90.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	79.7	U	79.7	90.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	85.3	U	85.3	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.7	U	55.7	90.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.1	U	61.1	90.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	65.4	U	65.4	90.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	74.2	U	74.2	90.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.9	U	66.9	90.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	64.1	U	64.1	90.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	62	90.2	120	ug/Kg
123-91-1	1,4-Dioxane	81.1	U	81.1	90.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.5	U	57.5	90.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.6	U	62.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.099		18-112		45	SPK: -150
13127-88-3	Phenol-d6	63.48		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	45.585		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	44.006		20-109		44	SPK: -100
118-79-6	2,4,6-Tribromophenol	70.156		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	49.314		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	117005	7.775				
1146-65-2	Naphthalene-d8	435675	10.581				
15067-26-2	Acenaphthene-d10	263916	14.445				
1517-22-2	Phenanthrene-d10	603869	17.204				
1719-03-5	Chrysene-d12	636014	21.409				
1520-96-3	Perylene-d12	777970	23.774				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
Sample Wt/Vol:	50.07	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
BM041365.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	65.4	A			4.893	
000057-10-3	n-Hexadecanoic acid	300	J			18.104	
000057-11-4	Octadecanoic acid	130	J			19.386	
1000406-04-8	Pentadecafluorooctanoic acid, octa	83.9	J			21.109	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-18	SDG No.:	BM081023
Lab Sample ID:	O3954-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041366.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.1	U	52.1	180	220	ug/Kg
110-86-1	Pyridine	48.8	U	48.8	87.6	110	ug/Kg
100-52-7	Benzaldehyde	99.7	U	99.7	180	220	ug/Kg
62-53-3	Aniline	78.8	U	78.8	87.6	110	ug/Kg
108-95-2	Phenol	50.1	U	50.1	87.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.5	U	60.5	87.6	110	ug/Kg
95-57-8	2-Chlorophenol	48.5	U	48.5	87.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55	U	55	87.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.6	U	59.6	87.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.5	U	55.5	87.6	110	ug/Kg
100-51-6	Benzyl Alcohol	66.6	U	66.6	180	220	ug/Kg
95-48-7	2-Methylphenol	76.8	U	76.8	87.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.7	U	70.7	87.6	110	ug/Kg
98-86-2	Acetophenone	58.4	U	58.4	87.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	72.8	U	72.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.8	U	39.8	53.9	53.9	ug/Kg
67-72-1	Hexachloroethane	49.6	U	49.6	87.6	110	ug/Kg
98-95-3	Nitrobenzene	50.7	U	50.7	87.6	110	ug/Kg
78-59-1	Isophorone	45.9	U	45.9	87.6	110	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	87.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	67.1	U	67.1	87.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	75.5	U	75.5	87.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52.6	U	52.6	87.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.2	U	52.2	87.6	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54.8	U	54.8	87.6	110	ug/Kg
106-47-8	4-Chloroaniline	70.7	U	70.7	87.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.6	U	56.6	87.6	110	ug/Kg
105-60-2	Caprolactam	78.8	U	78.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.6	U	55.6	87.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	63.9	U	63.9	87.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-18	SDG No.:	BM081023
Lab Sample ID:	O3954-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041366.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.9	U	51.9	87.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.2	U	59.2	87.6	110	ug/Kg
92-52-4	1,1-Biphenyl	61.5	U	61.5	87.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	57	U	57	87.6	110	ug/Kg
88-74-4	2-Nitroaniline	66.9	U	66.9	87.6	110	ug/Kg
131-11-3	Dimethylphthalate	59.9	U	59.9	87.6	110	ug/Kg
208-96-8	Acenaphthylene	59.6	U	59.6	87.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.6	U	60.6	87.6	110	ug/Kg
99-09-2	3-Nitroaniline	62.9	U	62.9	87.6	110	ug/Kg
83-32-9	Acenaphthene	54.1	U	54.1	87.6	110	ug/Kg
Total PAH	Total PAH	968.2	U	968.2	87.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.8	U	76.8	180	220	ug/Kg
132-64-9	Dibenzofuran	51.8	U	51.8	87.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	127.9	U	127.9	87.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	67.3	U	67.3	87.6	110	ug/Kg
84-66-2	Diethylphthalate	57.9	U	57.9	87.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.9	U	60.9	87.6	110	ug/Kg
86-73-7	Fluorene	57.1	U	57.1	87.6	110	ug/Kg
100-01-6	4-Nitroaniline	70.1	U	70.1	87.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.2	U	59.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	62.9	U	62.9	87.6	110	ug/Kg
103-33-3	Azobenzene	49.5	U	49.5	87.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.6	U	65.6	87.6	110	ug/Kg
118-74-1	Hexachlorobenzene	66.6	U	66.6	87.6	110	ug/Kg
1912-24-9	Atrazine	64.3	U	64.3	87.6	110	ug/Kg
87-86-5	Pentachlorophenol	74.8	U	74.8	180	220	ug/Kg
85-01-8	Phenanthrene	62.5	U	62.5	87.6	110	ug/Kg
120-12-7	Anthracene	68.7	U	68.7	87.6	110	ug/Kg
86-74-8	Carbazole	57.2	U	57.2	87.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	70.1	U	70.1	87.6	110	ug/Kg
206-44-0	Fluoranthene	63.6	U	63.6	87.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-18	SDG No.:	BM081023
Lab Sample ID:	O3954-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041366.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	56.4	U	56.4	87.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	69.4	U	69.4	87.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	56.5	U	56.5	87.6	110	ug/Kg
218-01-9	Chrysene	58.5	U	58.5	87.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	77.5	U	77.5	87.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	82.9	U	82.9	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.1	U	54.1	87.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.4	U	59.4	87.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	63.5	U	63.5	87.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.1	U	72.1	87.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65	U	65	87.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.3	U	62.3	87.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.2	U	60.2	87.6	110	ug/Kg
123-91-1	1,4-Dioxane	78.8	U	78.8	87.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.9	U	55.9	87.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.8	U	60.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	107.757		18-112		72	SPK: -150
13127-88-3	Phenol-d6	98.387		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	70.423		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	65.885		20-109		66	SPK: -100
118-79-6	2,4,6-Tribromophenol	128.335		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	69.212		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122153	7.775				
1146-65-2	Naphthalene-d8	439895	10.581				
15067-26-2	Acenaphthene-d10	268092	14.44				
1517-22-2	Phenanthrene-d10	598909	17.204				
1719-03-5	Chrysene-d12	644285	21.41				
1520-96-3	Perylene-d12	774258	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-18	SDG No.:	BM081023
Lab Sample ID:	O3954-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041366.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	52.6	A			4.893	
000057-10-3	n-Hexadecanoic acid	430	J			18.104	
000057-11-4	Octadecanoic acid	200	J			19.386	
000295-65-8	Cyclohexadecane	160	J			21.11	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-25	SDG No.:	BM081023
Lab Sample ID:	O3955-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041367.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.6	U	50.6	180	220	ug/Kg
110-86-1	Pyridine	47.4	U	47.4	85.1	110	ug/Kg
100-52-7	Benzaldehyde	96.8	U	96.8	180	220	ug/Kg
62-53-3	Aniline	76.6	U	76.6	85.1	110	ug/Kg
108-95-2	Phenol	48.7	U	48.7	85.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.8	U	58.8	85.1	110	ug/Kg
95-57-8	2-Chlorophenol	47.1	U	47.1	85.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.5	U	53.5	85.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.9	U	57.9	85.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.9	U	53.9	85.1	110	ug/Kg
100-51-6	Benzyl Alcohol	64.7	U	64.7	180	220	ug/Kg
95-48-7	2-Methylphenol	74.6	U	74.6	85.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	68.7	U	68.7	85.1	110	ug/Kg
98-86-2	Acetophenone	56.7	U	56.7	85.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	70.7	U	70.7	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.6	U	38.6	52.3	52.3	ug/Kg
67-72-1	Hexachloroethane	48.2	U	48.2	85.1	110	ug/Kg
98-95-3	Nitrobenzene	49.2	U	49.2	85.1	110	ug/Kg
78-59-1	Isophorone	44.6	U	44.6	85.1	110	ug/Kg
88-75-5	2-Nitrophenol	62.2	U	62.2	85.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.2	U	65.2	85.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.3	U	73.3	85.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.1	U	51.1	85.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.7	U	50.7	85.1	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.3	U	53.3	85.1	110	ug/Kg
106-47-8	4-Chloroaniline	68.7	U	68.7	85.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	55	U	55	85.1	110	ug/Kg
105-60-2	Caprolactam	76.6	U	76.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54	U	54	85.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.1	U	62.1	85.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-25	SDG No.:	BM081023
Lab Sample ID:	O3955-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041367.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.5	U	50.5	85.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.5	U	57.5	85.1	110	ug/Kg
92-52-4	1,1-Biphenyl	59.7	U	59.7	85.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.4	U	55.4	85.1	110	ug/Kg
88-74-4	2-Nitroaniline	65	U	65	85.1	110	ug/Kg
131-11-3	Dimethylphthalate	58.2	U	58.2	85.1	110	ug/Kg
208-96-8	Acenaphthylene	57.8	U	57.8	85.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.9	U	58.9	85.1	110	ug/Kg
99-09-2	3-Nitroaniline	61.1	U	61.1	85.1	110	ug/Kg
83-32-9	Acenaphthene	52.5	U	52.5	85.1	110	ug/Kg
Total PAH	Total PAH	940.2	U	940.2	85.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	74.6	U	74.6	180	220	ug/Kg
132-64-9	Dibenzofuran	50.3	U	50.3	85.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	24.3	U	124.3	85.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.4	U	65.4	85.1	110	ug/Kg
84-66-2	Diethylphthalate	56.2	U	56.2	85.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.2	U	59.2	85.1	110	ug/Kg
86-73-7	Fluorene	55.5	U	55.5	85.1	110	ug/Kg
100-01-6	4-Nitroaniline	68.1	U	68.1	85.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.5	U	57.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.1	U	61.1	85.1	110	ug/Kg
103-33-3	Azobenzene	48.1	U	48.1	85.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.7	U	63.7	85.1	110	ug/Kg
118-74-1	Hexachlorobenzene	64.7	U	64.7	85.1	110	ug/Kg
1912-24-9	Atrazine	62.4	U	62.4	85.1	110	ug/Kg
87-86-5	Pentachlorophenol	72.6	U	72.6	180	220	ug/Kg
85-01-8	Phenanthrene	60.7	U	60.7	85.1	110	ug/Kg
120-12-7	Anthracene	66.7	U	66.7	85.1	110	ug/Kg
86-74-8	Carbazole	55.6	U	55.6	85.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.1	U	68.1	85.1	110	ug/Kg
206-44-0	Fluoranthene	61.8	U	61.8	85.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-25	SDG No.:	BM081023
Lab Sample ID:	O3955-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041367.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	54.8	U	54.8	85.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	67.4	U	67.4	85.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.9	U	54.9	85.1	110	ug/Kg
218-01-9	Chrysene	56.8	U	56.8	85.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75.3	U	75.3	85.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	80.5	U	80.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.5	U	52.5	85.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.6	U	57.6	85.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.7	U	61.7	85.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70	U	70	85.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.1	U	63.1	85.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60.5	U	60.5	85.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.5	U	58.5	85.1	110	ug/Kg
123-91-1	1,4-Dioxane	76.6	U	76.6	85.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.2	U	54.2	85.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	59	U	59	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.626		18-112		56	SPK: -150
13127-88-3	Phenol-d6	74.17		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	54.819		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	58.341		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.907		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	56.207		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	115797	7.775				
1146-65-2	Naphthalene-d8	417309	10.58				
15067-26-2	Acenaphthene-d10	233678	14.445				
1517-22-2	Phenanthrene-d10	492532	17.204				
1719-03-5	Chrysene-d12	531373	21.409				
1520-96-3	Perylene-d12	687620	23.774				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-25	SDG No.:	BM081023
Lab Sample ID:	O3955-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041367.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.893	
000057-10-3	n-Hexadecanoic acid	260	J			18.104	
000057-11-4	Octadecanoic acid	110	J			19.392	
074685-29-3	9-Eicosene, (E)-	62.4	J			21.109	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	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
BM041368.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.8	U	52.8	180	230	ug/Kg
110-86-1	Pyridine	49.4	U	49.4	88.8	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	230	ug/Kg
62-53-3	Aniline	79.9	U	79.9	88.8	120	ug/Kg
108-95-2	Phenol	50.8	U	50.8	88.8	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.3	U	61.3	88.8	120	ug/Kg
95-57-8	2-Chlorophenol	49.2	U	49.2	88.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.8	U	55.8	88.8	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.4	U	60.4	88.8	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.3	U	56.3	88.8	120	ug/Kg
100-51-6	Benzyl Alcohol	67.5	U	67.5	180	230	ug/Kg
95-48-7	2-Methylphenol	77.8	U	77.8	88.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.7	U	71.7	88.8	120	ug/Kg
98-86-2	Acetophenone	59.2	U	59.2	88.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.7	U	73.7	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	54.6	54.6	ug/Kg
67-72-1	Hexachloroethane	50.3	U	50.3	88.8	120	ug/Kg
98-95-3	Nitrobenzene	51.3	U	51.3	88.8	120	ug/Kg
78-59-1	Isophorone	46.5	U	46.5	88.8	120	ug/Kg
88-75-5	2-Nitrophenol	64.9	U	64.9	88.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68	U	68	88.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.5	U	76.5	88.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.3	U	53.3	88.8	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.9	U	52.9	88.8	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	230	ug/Kg
91-20-3	Naphthalene	55.6	U	55.6	88.8	120	ug/Kg
106-47-8	4-Chloroaniline	71.7	U	71.7	88.8	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.4	U	57.4	88.8	120	ug/Kg
105-60-2	Caprolactam	79.9	U	79.9	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.3	U	56.3	88.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.8	U	64.8	88.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	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
BM041368.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.6	U	52.6	88.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60	U	60	88.8	120	ug/Kg
92-52-4	1,1-Biphenyl	62.3	U	62.3	88.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.8	U	57.8	88.8	120	ug/Kg
88-74-4	2-Nitroaniline	67.8	U	67.8	88.8	120	ug/Kg
131-11-3	Dimethylphthalate	60.7	U	60.7	88.8	120	ug/Kg
208-96-8	Acenaphthylene	60.4	U	60.4	88.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.5	U	61.5	88.8	120	ug/Kg
99-09-2	3-Nitroaniline	63.8	U	63.8	88.8	120	ug/Kg
83-32-9	Acenaphthene	54.8	U	54.8	88.8	120	ug/Kg
Total PAH	Total PAH	1097.9	U	981.5	88.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	230	ug/Kg
100-02-7	4-Nitrophenol	77.8	U	77.8	180	230	ug/Kg
132-64-9	Dibenzofuran	52.5	U	52.5	88.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	29.7	U	129.7	88.8	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.2	U	68.2	88.8	120	ug/Kg
84-66-2	Diethylphthalate	58.7	U	58.7	88.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.7	U	61.7	88.8	120	ug/Kg
86-73-7	Fluorene	57.9	U	57.9	88.8	120	ug/Kg
100-01-6	4-Nitroaniline	71	U	71	88.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60	U	60	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.7	U	63.7	88.8	120	ug/Kg
103-33-3	Azobenzene	50.2	U	50.2	88.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.5	U	66.5	88.8	120	ug/Kg
118-74-1	Hexachlorobenzene	67.5	U	67.5	88.8	120	ug/Kg
1912-24-9	Atrazine	65.1	U	65.1	88.8	120	ug/Kg
87-86-5	Pentachlorophenol	75.8	U	75.8	180	230	ug/Kg
85-01-8	Phenanthrene	250		63.3	88.8	120	ug/Kg
120-12-7	Anthracene	69.6	U	69.6	88.8	120	ug/Kg
86-74-8	Carbazole	58	U	58	88.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	71	U	71	88.8	120	ug/Kg
206-44-0	Fluoranthene	270		64.5	88.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	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
BM041368.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	130	U	130	180	230	ug/Kg
129-00-0	Pyrene	190		57.2	88.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.3	U	70.3	88.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	57.3	88.8	120	ug/Kg
218-01-9	Chrysene	93	J	59.3	88.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.5	U	78.5	88.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84	U	84	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	54.8	88.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.2	U	60.2	88.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	84.9	J	64.4	88.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.1	U	73.1	88.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.9	U	65.9	88.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.2	U	63.2	88.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	61	88.8	120	ug/Kg
123-91-1	1,4-Dioxane	79.9	U	79.9	88.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.6	U	56.6	88.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.6	U	61.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	59.98		18-112		40	SPK: -150
13127-88-3	Phenol-d6	52.239		15-107		35	SPK: -150
4165-60-0	Nitrobenzene-d5	39.243		18-107		39	SPK: -100
321-60-8	2-Fluorobiphenyl	39.867		20-109		40	SPK: -100
118-79-6	2,4,6-Tribromophenol	59.233		10-110		39	SPK: -150
1718-51-0	Terphenyl-d14	37.459		14-112		37	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113968	7.775				
1146-65-2	Naphthalene-d8	412063	10.58				
15067-26-2	Acenaphthene-d10	232076	14.439				
1517-22-2	Phenanthrene-d10	497184	17.204				
1719-03-5	Chrysene-d12	561217	21.409				
1520-96-3	Perylene-d12	700465	23.774				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	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
BM041368.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	270	J			18.104	
000203-64-5	4H-Cyclopenta[def]phenanthrene	46.7	J			18.28	
000057-11-4	Octadecanoic acid	100	J			19.386	
018835-33-1	1-Hexacosene	77.8	J			21.109	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-17	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
BM041369.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-17	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
BM041369.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-17	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
BM041369.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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	116.045		10-139		77	SPK: -150
13127-88-3	Phenol-d6	101.786		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	81.99		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	83.595		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.682		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	107.032		36-145		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168194	7.775				
1146-65-2	Naphthalene-d8	644583	10.58				
15067-26-2	Acenaphthene-d10	396647	14.439				
1517-22-2	Phenanthrene-d10	812634	17.203				
1719-03-5	Chrysene-d12	603209	21.415				
1520-96-3	Perylene-d12	697800	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-27	SDG No.:	BM081023
Lab Sample ID:	O3955-17	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
BM041369.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-20	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
BM041370.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-20	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
BM041370.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-20	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
BM041370.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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	125.553		10-139		84	SPK: -150
13127-88-3	Phenol-d6	105.814		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	92.385		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	94.254		52-132		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	150.382		32-145		100	SPK: -150
1718-51-0	Terphenyl-d14	104.474		36-145		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114680	7.775				
1146-65-2	Naphthalene-d8	418480	10.581				
15067-26-2	Acenaphthene-d10	238776	14.439				
1517-22-2	Phenanthrene-d10	512615	17.204				
1719-03-5	Chrysene-d12	527632	21.409				
1520-96-3	Perylene-d12	668611	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-28	SDG No.:	BM081023
Lab Sample ID:	O3955-20	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
BM041370.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-20	SDG No.:	BM081023
Lab Sample ID:	O3954-17	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
BM041371.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-20	SDG No.:	BM081023
Lab Sample ID:	O3954-17	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
BM041371.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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	20.1	J	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
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-20	SDG No.:	BM081023
Lab Sample ID:	O3954-17	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
BM041371.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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	114.247		10-139		76	SPK: -150
13127-88-3	Phenol-d6	94.185		10-134		63	SPK: -150
4165-60-0	Nitrobenzene-d5	81.546		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	90.159		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	133.532		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	103.907		36-145		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148680	7.775				
1146-65-2	Naphthalene-d8	571934	10.58				
15067-26-2	Acenaphthene-d10	310864	14.439				
1517-22-2	Phenanthrene-d10	635030	17.204				
1719-03-5	Chrysene-d12	511706	21.415				
1520-96-3	Perylene-d12	355248	23.785				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-20	SDG No.:	BM081023
Lab Sample ID:	O3954-17	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
BM041371.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-02	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
BM041372.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-02	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
BM041372.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-02	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
BM041372.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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	127.798		10-139		85	SPK: -150
13127-88-3	Phenol-d6	111.917		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	92.438		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	89.953		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	154.205		32-145		103	SPK: -150
1718-51-0	Terphenyl-d14	127.196		36-145		127	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134358	7.775				
1146-65-2	Naphthalene-d8	532103	10.581				
15067-26-2	Acenaphthene-d10	347612	14.439				
1517-22-2	Phenanthrene-d10	759814	17.204				
1719-03-5	Chrysene-d12	555790	21.415				
1520-96-3	Perylene-d12	608484	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-22	SDG No.:	BM081023
Lab Sample ID:	O3955-02	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
BM041372.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-21	SDG No.:	BM081023
Lab Sample ID:	O3954-20	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
BM041373.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-21	SDG No.:	BM081023
Lab Sample ID:	O3954-20	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
BM041373.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-21	SDG No.:	BM081023
Lab Sample ID:	O3954-20	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
BM041373.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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	123.441		10-139		82	SPK: -150
13127-88-3	Phenol-d6	101.354		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	91.203		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	93.102		52-132		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	140.094		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	104.356		36-145		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134956	7.775				
1146-65-2	Naphthalene-d8	489633	10.58				
15067-26-2	Acenaphthene-d10	276506	14.439				
1517-22-2	Phenanthrene-d10	539644	17.204				
1719-03-5	Chrysene-d12	490691	21.415				
1520-96-3	Perylene-d12	638192	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-21	SDG No.:	BM081023
Lab Sample ID:	O3954-20	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
BM041373.D	1	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154756

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	B-PP22	SDG No.:	BM081023
Lab Sample ID:	O3956-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BM041374.D	2	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	150	U	150	540	660	ug/Kg
110-86-1	Pyridine	140	U	140	260	340	ug/Kg
100-52-7	Benzaldehyde	300	U	300	540	660	ug/Kg
62-53-3	Aniline	230	U	230	260	340	ug/Kg
108-95-2	Phenol	150	U	150	260	340	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	180	260	340	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	260	340	ug/Kg
95-50-1	1,2-Dichlorobenzene	160	U	160	260	340	ug/Kg
541-73-1	1,3-Dichlorobenzene	180	U	180	260	340	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	260	340	ug/Kg
100-51-6	Benzyl Alcohol	200	U	200	540	660	ug/Kg
95-48-7	2-Methylphenol	230	U	230	260	340	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	260	340	ug/Kg
98-86-2	Acetophenone	170	U	170	260	340	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	540	660	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	160	160	ug/Kg
67-72-1	Hexachloroethane	150	U	150	260	340	ug/Kg
98-95-3	Nitrobenzene	150	U	150	260	340	ug/Kg
78-59-1	Isophorone	140	U	140	260	340	ug/Kg
88-75-5	2-Nitrophenol	190	U	190	260	340	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	200	260	340	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	220	U	220	260	340	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	260	340	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	150	U	150	260	340	ug/Kg
65-85-0	Benzoic acid	430	U	430	540	660	ug/Kg
91-20-3	Naphthalene	160	U	160	260	340	ug/Kg
106-47-8	4-Chloroaniline	210	U	210	260	340	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	260	340	ug/Kg
105-60-2	Caprolactam	230	U	230	540	660	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	260	340	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	190	260	340	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	B-PP22	SDG No.:	BM081023
Lab Sample ID:	O3956-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BM041374.D	2	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	420	U	420	540	660	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	260	340	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	180	260	340	ug/Kg
92-52-4	1,1-Biphenyl	180	U	180	260	340	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	170	260	340	ug/Kg
88-74-4	2-Nitroaniline	200	U	200	260	340	ug/Kg
131-11-3	Dimethylphthalate	180	U	180	260	340	ug/Kg
208-96-8	Acenaphthylene	380		180	260	340	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	260	340	ug/Kg
99-09-2	3-Nitroaniline	190	U	190	260	340	ug/Kg
83-32-9	Acenaphthene	160	U	160	260	340	ug/Kg
Total PAH	Total PAH	13640	U	2870	260	5440	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	540	660	ug/Kg
100-02-7	4-Nitrophenol	230	U	230	540	660	ug/Kg
132-64-9	Dibenzofuran	150	U	150	260	340	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	380	U	380	260	680	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	200	260	340	ug/Kg
84-66-2	Diethylphthalate	170	U	170	260	340	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	180	260	340	ug/Kg
86-73-7	Fluorene	170	U	170	260	340	ug/Kg
100-01-6	4-Nitroaniline	210	U	210	260	340	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	540	660	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	260	340	ug/Kg
103-33-3	Azobenzene	150	U	150	260	340	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	190	260	340	ug/Kg
118-74-1	Hexachlorobenzene	200	U	200	260	340	ug/Kg
1912-24-9	Atrazine	190	U	190	260	340	ug/Kg
87-86-5	Pentachlorophenol	220	U	220	540	660	ug/Kg
85-01-8	Phenanthrene	360		190	260	340	ug/Kg
120-12-7	Anthracene	200	U	200	260	340	ug/Kg
86-74-8	Carbazole	170	U	170	260	340	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	210	260	340	ug/Kg
206-44-0	Fluoranthene	2000		190	260	340	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	B-PP22	SDG No.:	BM081023
Lab Sample ID:	O3956-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BM041374.D	2	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	390	U	390	540	660	ug/Kg
129-00-0	Pyrene	2200		170	260	340	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	210	260	340	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	540	660	ug/Kg
56-55-3	Benzo(a)anthracene	1500		170	260	340	ug/Kg
218-01-9	Chrysene	1500		170	260	340	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	230	260	340	ug/Kg
117-84-0	Di-n-octyl phthalate	250	U	250	540	660	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		160	260	340	ug/Kg
207-08-9	Benzo(k)fluoranthene	500		180	260	340	ug/Kg
50-32-8	Benzo(a)pyrene	1500		190	260	340	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	750		210	260	340	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	J	190	260	340	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		180	260	340	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	260	340	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	260	340	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	170	260	340	ug/Kg
90-12-0	1-Methylnaphthalene	180	U	180	340	340	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.494		18-112		48	SPK: -150
13127-88-3	Phenol-d6	61.822		15-107		41	SPK: -150
4165-60-0	Nitrobenzene-d5	45.592		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	45.252		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.452		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	46.36		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	124760	7.769				
1146-65-2	Naphthalene-d8	449072	10.575				
15067-26-2	Acenaphthene-d10	262175	14.439				
1517-22-2	Phenanthrene-d10	596586	17.198				
1719-03-5	Chrysene-d12	678866	21.409				
1520-96-3	Perylene-d12	829820	23.768				

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	B-PP22	SDG No.:	BM081023
Lab Sample ID:	O3956-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BM041374.D	2	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000832-69-9	Phenanthrene, 1-methyl-	270	J			18.08	
000610-48-0	Anthracene, 1-methyl-	450	J			18.127	
002531-84-2	Phenanthrene, 2-methyl-	190	J			18.215	
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro	330	J			18.315	
000612-94-2	Naphthalene, 2-phenyl-	210	J			18.586	
003674-65-5	Phenanthrene, 2,3-dimethyl-	220	J			18.827	
001576-67-6	Phenanthrene, 3,6-dimethyl-	210	J			18.88	
003674-66-6	Phenanthrene, 2,5-dimethyl-	890	J			19.003	
000781-43-1	9,10-Dimethylanthracene	400	J			19.062	
007469-40-1	Naphthalene, 1,2-dihydro-4-phenyl-	180	J			19.098	
005737-13-3	Cyclopenta(def)phenanthrenone	540	J			19.156	
002381-21-7	Pyrene, 1-methyl-	270	J			19.962	
000243-17-4	11H-Benzo[b]fluorene	180	J			20.133	
003353-12-6	Pyrene, 4-methyl-	230	J			20.292	
003442-78-2	Pyrene, 2-methyl-	190	J			20.433	
002541-69-7	Benz[a]anthracene, 7-methyl-	330	J			21.98	
000192-97-2	Benzo[e]pyrene	1200	J			23.562	
000205-82-3	Benzo[j]fluoranthene	460	J			23.821	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	OK-1-080923	SDG No.:	BM081023
Lab Sample ID:	O3952-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.04	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
BM041375.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	250	U	250	860	1100	ug/Kg
110-86-1	Pyridine	230	U	230	410	540	ug/Kg
100-52-7	Benzaldehyde	470	U	470	860	1100	ug/Kg
62-53-3	Aniline	370	U	370	410	540	ug/Kg
108-95-2	Phenol	240	U	240	410	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	290	410	540	ug/Kg
95-57-8	2-Chlorophenol	230	U	230	410	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	410	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	410	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	260	U	260	410	540	ug/Kg
100-51-6	Benzyl Alcohol	320	U	320	860	1100	ug/Kg
95-48-7	2-Methylphenol	360	U	360	410	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	330	410	540	ug/Kg
98-86-2	Acetophenone	280	U	280	410	540	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	340	860	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	260	260	ug/Kg
67-72-1	Hexachloroethane	230	U	230	410	540	ug/Kg
98-95-3	Nitrobenzene	240	U	240	410	540	ug/Kg
78-59-1	Isophorone	220	U	220	410	540	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	410	540	ug/Kg
105-67-9	2,4-Dimethylphenol	320	U	320	410	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	360	U	360	410	540	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	410	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	250	U	250	410	540	ug/Kg
65-85-0	Benzoic acid	680	U	680	860	1100	ug/Kg
91-20-3	Naphthalene	260	U	260	410	540	ug/Kg
106-47-8	4-Chloroaniline	330	U	330	410	540	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	410	540	ug/Kg
105-60-2	Caprolactam	370	U	370	860	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	410	540	ug/Kg
91-57-6	2-Methylnaphthalene	300	U	300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	OK-1-080923	SDG No.:	BM081023
Lab Sample ID:	O3952-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.04 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
BM041375.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	670	U	670	860	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	250	410	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	280	U	280	410	540	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	410	540	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	410	540	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	410	540	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	410	540	ug/Kg
208-96-8	Acenaphthylene	280	J	280	410	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	290	U	290	410	540	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	410	540	ug/Kg
83-32-9	Acenaphthene	260	U	260	410	540	ug/Kg
Total PAH	Total PAH	22240		4600	410	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	570	U	570	860	1100	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	860	1100	ug/Kg
132-64-9	Dibenzofuran	250	U	250	410	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	610	U	610	410	1080	ug/Kg
121-14-2	2,4-Dinitrotoluene	320	U	320	410	540	ug/Kg
84-66-2	Diethylphthalate	270	U	270	410	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	410	540	ug/Kg
86-73-7	Fluorene	270	U	270	410	540	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	410	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	860	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	300	U	300	410	540	ug/Kg
103-33-3	Azobenzene	230	U	230	410	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	310	U	310	410	540	ug/Kg
118-74-1	Hexachlorobenzene	320	U	320	410	540	ug/Kg
1912-24-9	Atrazine	300	U	300	410	540	ug/Kg
87-86-5	Pentachlorophenol	350	U	350	860	1100	ug/Kg
85-01-8	Phenanthrene	1800		300	410	540	ug/Kg
120-12-7	Anthracene	740		330	410	540	ug/Kg
86-74-8	Carbazole	270	U	270	410	540	ug/Kg
84-74-2	Di-n-butylphthalate	330	U	330	410	540	ug/Kg
206-44-0	Fluoranthene	4300		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	OK-1-080923	SDG No.:	BM081023
Lab Sample ID:	O3952-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.04	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
BM041375.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	620	U	620	860	1100	ug/Kg
129-00-0	Pyrene	3400		270	410	540	ug/Kg
85-68-7	Butylbenzylphthalate	330	U	330	410	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	510	860	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2100		270	410	540	ug/Kg
218-01-9	Chrysene	1900		280	410	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	U	370	410	540	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	390	860	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		260	410	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	910		280	410	540	ug/Kg
50-32-8	Benzo(a)pyrene	1900		300	410	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		340	410	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	330	J	310	410	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		290	410	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	410	540	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	410	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	260	U	260	410	540	ug/Kg
90-12-0	1-Methylnaphthalene	290	U	290	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	176.445	*	18-112		118	SPK: -150
13127-88-3	Phenol-d6	139.895		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	101.39		18-107		101	SPK: -100
321-60-8	2-Fluorobiphenyl	116.085	*	20-109		116	SPK: -100
118-79-6	2,4,6-Tribromophenol	178.115	*	10-110		119	SPK: -150
1718-51-0	Terphenyl-d14	126.815	*	14-112		127	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62371	7.769				
1146-65-2	Naphthalene-d8	223474	10.581				
15067-26-2	Acenaphthene-d10	124686	14.439				
1517-22-2	Phenanthrene-d10	271366	17.198				
1719-03-5	Chrysene-d12	292413	21.403				
1520-96-3	Perylene-d12	360846	23.768				

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	OK-1-080923	SDG No.:	BM081023
Lab Sample ID:	O3952-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.04 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
BM041375.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
006455-80-7	4-Methyl-N-(1H-tetrazol-5-yl)-benz	230	J			16.18	
000057-10-3	n-Hexadecanoic acid	1100	J			18.098	
000832-69-9	Phenanthrene, 1-methyl-	730	J			18.127	
000613-12-7	Anthracene, 2-methyl-	330	J			18.215	
000203-64-5	4H-Cyclopenta[def]phenanthrene	980	J			18.274	
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	380	J			18.315	
000612-94-2	Naphthalene, 2-phenyl-	230	J			18.586	
000781-43-1	9,10-Dimethylantracene	720	J			19.003	
000538-81-8	1,3-Butadiene, 1,4-diphenyl-, (E,E	250	J			19.062	
005737-13-3	Cyclopenta(def)phenanthrenone	560	J			19.156	
000243-17-4	11H-Benzo[b]fluorene	260	J			19.962	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-19	SDG No.:	BM081023
Lab Sample ID:	O3954-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041376.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	930	1100	ug/Kg
110-86-1	Pyridine	250	U	250	450	590	ug/Kg
100-52-7	Benzaldehyde	510	U	510	930	1100	ug/Kg
62-53-3	Aniline	400	U	400	450	590	ug/Kg
108-95-2	Phenol	430	J	260	450	590	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	310	U	310	450	590	ug/Kg
95-57-8	2-Chlorophenol	250	U	250	450	590	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	450	590	ug/Kg
541-73-1	1,3-Dichlorobenzene	310	U	310	450	590	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	450	590	ug/Kg
100-51-6	Benzyl Alcohol	340	U	340	930	1100	ug/Kg
95-48-7	2-Methylphenol	390	U	390	450	590	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	360	450	590	ug/Kg
98-86-2	Acetophenone	300	U	300	450	590	ug/Kg
65794-96-9	3+4-Methylphenols	680	J	370	930	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	200	280	280	ug/Kg
67-72-1	Hexachloroethane	250	U	250	450	590	ug/Kg
98-95-3	Nitrobenzene	260	U	260	450	590	ug/Kg
78-59-1	Isophorone	230	U	230	450	590	ug/Kg
88-75-5	2-Nitrophenol	330	U	330	450	590	ug/Kg
105-67-9	2,4-Dimethylphenol	500	J	340	450	590	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	390	450	590	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	270	450	590	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	590	ug/Kg
65-85-0	Benzoic acid	740	U	740	930	1100	ug/Kg
91-20-3	Naphthalene	37700	E	280	450	590	ug/Kg
106-47-8	4-Chloroaniline	360	U	360	450	590	ug/Kg
87-68-3	Hexachlorobutadiene	290	U	290	450	590	ug/Kg
105-60-2	Caprolactam	400	U	400	930	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	280	U	280	450	590	ug/Kg
91-57-6	2-Methylnaphthalene	14100	E	330	450	590	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-19	SDG No.:	BM081023
Lab Sample ID:	O3954-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041376.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	720	U	720	930	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	270	450	590	ug/Kg
95-95-4	2,4,5-Trichlorophenol	300	U	300	450	590	ug/Kg
92-52-4	1,1-Biphenyl	3200		310	450	590	ug/Kg
91-58-7	2-Chloronaphthalene	290	U	290	450	590	ug/Kg
88-74-4	2-Nitroaniline	340	U	340	450	590	ug/Kg
131-11-3	Dimethylphthalate	310	U	310	450	590	ug/Kg
208-96-8	Acenaphthylene	3300		300	450	590	ug/Kg
606-20-2	2,6-Dinitrotoluene	310	U	310	450	590	ug/Kg
99-09-2	3-Nitroaniline	320	U	320	450	590	ug/Kg
83-32-9	Acenaphthene	22200	E	280	450	590	ug/Kg
Total PAH	Total PAH	795900	E	4960	450	9440	ug/Kg
51-28-5	2,4-Dinitrophenol	620	U	620	930	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	930	1100	ug/Kg
132-64-9	Dibenzofuran	18400	E	270	450	590	ug/Kg
121-14-2	2,4-Dinitrotoluene	340	U	340	450	590	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	650	U	650	450	1180	ug/Kg
84-66-2	Diethylphthalate	300	U	300	450	590	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	310	U	310	450	590	ug/Kg
86-73-7	Fluorene	26800	E	290	450	590	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	450	590	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	300	930	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	320	U	320	450	590	ug/Kg
103-33-3	Azobenzene	250	U	250	450	590	ug/Kg
101-55-3	4-Bromophenyl-phenylether	340	U	340	450	590	ug/Kg
118-74-1	Hexachlorobenzene	340	U	340	450	590	ug/Kg
1912-24-9	Atrazine	330	U	330	450	590	ug/Kg
87-86-5	Pentachlorophenol	380	U	380	930	1100	ug/Kg
85-01-8	Phenanthrene	139900	E	320	450	590	ug/Kg
120-12-7	Anthracene	44100	E	350	450	590	ug/Kg
86-74-8	Carbazole	19700	E	290	450	590	ug/Kg
84-74-2	Di-n-butylphthalate	360	U	360	450	590	ug/Kg
206-44-0	Fluoranthene	119700	E	330	450	590	ug/Kg

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-19	SDG No.:	BM081023
Lab Sample ID:	O3954-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041376.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	670	U	670	930	1100	ug/Kg
129-00-0	Pyrene	98100	E	290	450	590	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	360	450	590	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560	U	560	930	1100	ug/Kg
56-55-3	Benzo(a)anthracene	58900	E	290	450	590	ug/Kg
218-01-9	Chrysene	56500	E	300	450	590	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	400	U	400	450	590	ug/Kg
117-84-0	Di-n-octyl phthalate	420	U	420	930	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	60100	E	280	450	590	ug/Kg
207-08-9	Benzo(k)fluoranthene	18800	E	300	450	590	ug/Kg
50-32-8	Benzo(a)pyrene	48300	E	330	450	590	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	24200	E	370	450	590	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	7900		330	450	590	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29400	E	320	450	590	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	310	450	590	ug/Kg
123-91-1	1,4-Dioxane	400	U	400	450	590	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	290	450	590	ug/Kg
90-12-0	1-Methylnaphthalene	9700	E	310	590	590	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	168.6		18-112		112	SPK: -150
13127-88-3	Phenol-d6	147.96		15-107		99	SPK: -150
4165-60-0	Nitrobenzene-d5	102.015		18-107		102	SPK: -100
321-60-8	2-Fluorobiphenyl	113.405	*	20-109		113	SPK: -100
118-79-6	2,4,6-Tribromophenol	170.5	*	10-110		114	SPK: -150
1718-51-0	Terphenyl-d14	108.9		14-112		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66880	7.769				
1146-65-2	Naphthalene-d8	248160	10.575				
15067-26-2	Acenaphthene-d10	146526	14.439				
1517-22-2	Phenanthrene-d10	301857	17.204				
1719-03-5	Chrysene-d12	323463	21.421				
1520-96-3	Perylene-d12	415033	23.785				

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	WC-19	SDG No.:	BM081023
Lab Sample ID:	O3954-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041376.D	5	8/10/2023 12:00:00 AM	8/10/2023 12:00:00 AM	PB154742

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000573-98-8	Naphthalene, 1,2-dimethyl-	630	J			13.757	
000575-43-9	Naphthalene, 1,6-dimethyl-	360	J			13.81	
002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	350	J			15.615	
000101-81-5	Diphenylmethane	420	J			15.657	
003218-36-8	[1,1-Biphenyl]-4-carboxaldehyde	600	J			15.786	
000832-69-9	Phenanthrene, 1-methyl-	400	J			18.133	
000203-64-5	4H-Cyclopenta[def]phenanthrene	540	J			18.286	
033543-31-6	Fluoranthene, 2-methyl-	430	J			19.968	
000238-84-6	11H-Benzo[a]fluorene	580	J			20.139	
000243-17-4	11H-Benzo[b]fluorene	390	J			20.239	
003353-12-6	Pyrene, 4-methyl-	400	J			20.297	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	390	J			21.056	
002498-76-2	Benz[a]anthracene, 2-methyl-	470	J			21.986	
095676-42-9	4,5-Dihydrobenzo[e]pyrene	620	J			22.797	
000192-97-2	Benzo[e]pyrene	1200	J			23.25	
000207-93-2	Dinaphtho[1,2-b:1,2-d]furan	660	J			23.386	
000198-55-0	Perylene	2300	J			23.844	
1000151-82-0	Boroxin, ethyldiphenyl-	760	J			24.715	

Hit Summary Sheet

SW-846

SDG No.: BM081023

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MANHOLE							
O3937-01	MANHOLE	Water	1H-Benzotriazole, 4-methyl-	*	68.400	J		
O3937-01	MANHOLE	Water	1H-Benzotriazole, 5-methyl-	*	9.000	J		
O3937-01	MANHOLE	Water	2-Pentanone, 4-hydroxy-4-methyl	*	12.200	A		
O3937-01	MANHOLE	Water	9-Octadecenoic acid, (E)-	*	7.000	J		
O3937-01	MANHOLE	Water	Cholesterol	*	90.100	J		
O3937-01	MANHOLE	Water	Dimethyl palmitamine	*	2.600	J		
O3937-01	MANHOLE	Water	Eicosanoic acid	*	2.500	J		
O3937-01	MANHOLE	Water	Ethanol, 2-phenoxy-	*	4.100	J		
O3937-01	MANHOLE	Water	Hexadeca-2,6,10,14-tetraen-1-ol, '	*	2.900	J		
O3937-01	MANHOLE	Water	n-Hexadecanoic acid	*	160.000	J		
O3937-01	MANHOLE	Water	Octadecanoic acid	*	130.000	J		
O3937-01	MANHOLE	Water	Oleic Acid	*	8.400	J		
O3937-01	MANHOLE	Water	Squalene	*	3.000	J		
O3937-01	MANHOLE	Water	Tetradecanoic acid	*	3.300	J		
O3937-01	MANHOLE	Water	Thiazolidine-5-carboxylic acid, 2-	*	18.000	J		
O3937-01	MANHOLE	Water	Trichloroacetic acid, hexadecyl es	*	5.100	J		
			Total Tics :		526.60			
O3937-01	MANHOLE	Water	Benzoic acid		9.000	J	6.8	ug/L
O3937-01	MANHOLE	Water	Bis(2-ethylhexyl)phthalate		3.000	J	3	ug/L
			Total Svoc :		12.00			
			Total Concentration:		538.60			
Client ID :	OK-1-080923							
O3952-01	OK-1-080923	Solid	1,3-Butadiene, 1,4-diphenyl-, (E,E	*	250.000	J		
O3952-01	OK-1-080923	Solid	11H-Benzo[b]fluorene	*	260.000	J		
O3952-01	OK-1-080923	Solid	1H-Cyclopropa[l]phenanthrene, 1a	*	380.000	J		
O3952-01	OK-1-080923	Solid	4-Methyl-N-(1H-tetrazol-5-yl)-be	*	230.000	J		
O3952-01	OK-1-080923	Solid	4H-Cyclopenta[def]phenanthrene	*	980.000	J		
O3952-01	OK-1-080923	Solid	9,10-Dimethylanthracene	*	720.000	J		
O3952-01	OK-1-080923	Solid	Anthracene, 2-methyl-	*	330.000	J		
O3952-01	OK-1-080923	Solid	Cyclopenta(def)phenanthrenone	*	560.000	J		
O3952-01	OK-1-080923	Solid	n-Hexadecanoic acid	*	1,100.000	J		
O3952-01	OK-1-080923	Solid	Naphthalene, 2-phenyl-	*	230.000	J		
O3952-01	OK-1-080923	Solid	Phenanthrene, 1-methyl-	*	730.000	J		
			Total Tics :		5,770.00			
O3952-01	OK-1-080923	Solid	Acenaphthylene		280.000	J	280	ug/Kg
O3952-01	OK-1-080923	Solid	Anthracene		740.000		330	ug/Kg
O3952-01	OK-1-080923	Solid	Benzo(a)anthracene		2,100.000		270	ug/Kg
O3952-01	OK-1-080923	Solid	Benzo(a)pyrene		1,900.000		300	ug/Kg
O3952-01	OK-1-080923	Solid	Benzo(b)fluoranthene		2,400.000		260	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM081023

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3952-01	OK-1-080923	Solid	Benzo(g,h,i)perylene	1,200.000		290	540	ug/Kg
O3952-01	OK-1-080923	Solid	Benzo(k)fluoranthene	910.000		280	540	ug/Kg
O3952-01	OK-1-080923	Solid	Chrysene	1,900.000		280	540	ug/Kg
O3952-01	OK-1-080923	Solid	Dibenzo(a,h)anthracene	330.000	J	310	540	ug/Kg
O3952-01	OK-1-080923	Solid	Fluoranthene	4,300.000		300	540	ug/Kg
O3952-01	OK-1-080923	Solid	Indeno(1,2,3-cd)pyrene	980.000		340	540	ug/Kg
O3952-01	OK-1-080923	Solid	Phenanthrene	1,800.000		300	540	ug/Kg
O3952-01	OK-1-080923	Solid	Pyrene	3,400.000		270	540	ug/Kg
O3952-01	OK-1-080923	Solid	Total PAH	22,240.000		4600	8640	ug/Kg
Total Svoc :				44,480.00				
Total Concentration:				50,250.00				
Client ID : WC-15								
O3954-01	WC-15	Solid	Butane, 2-methoxy-2-methyl-	*	220.000	J		
O3954-01	WC-15	Solid	n-Hexadecanoic acid	*	640.000	J		
O3954-01	WC-15	Solid	Octadecanoic acid	*	340.000	J		
O3954-01	WC-15	Solid	Propane, 2,2-dimethoxy-	*	750.000	J		
Total Tics :				1,950.00				
Total Concentration:				1,950.00				
Client ID : WC-18								
O3954-10	WC-18	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	52.600	A		
O3954-10	WC-18	Solid	Cyclohexadecane	*	160.000	J		
O3954-10	WC-18	Solid	n-Hexadecanoic acid	*	430.000	J		
O3954-10	WC-18	Solid	Octadecanoic acid	*	200.000	J		
Total Tics :				842.60				
Total Concentration:				842.60				
Client ID : WC-19								
O3954-13	WC-19	Solid	[1,1-Biphenyl]-4-carboxaldehyde	*	600.000	J		
O3954-13	WC-19	Solid	11H-Benzo[a]fluorene	*	580.000	J		
O3954-13	WC-19	Solid	11H-Benzo[b]fluorene	*	390.000	J		
O3954-13	WC-19	Solid	4,5-Dihydrobenzo[e]pyrene	*	620.000	J		
O3954-13	WC-19	Solid	4H-Cyclopenta[def]phenanthrene	*	540.000	J		
O3954-13	WC-19	Solid	Benz[a]anthracene, 2-methyl-	*	470.000	J		
O3954-13	WC-19	Solid	Benzene, [1-(2,4-cyclopentadien-1	*	350.000	J		
O3954-13	WC-19	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	390.000	J		
O3954-13	WC-19	Solid	Benzo[e]pyrene	*	1,200.000	J		
O3954-13	WC-19	Solid	Boroxin, ethyldiphenyl-	*	760.000	J		
O3954-13	WC-19	Solid	Dinaphtho[1,2-b:1,2-d]furan	*	660.000	J		
O3954-13	WC-19	Solid	Diphenylmethane	*	420.000	J		
O3954-13	WC-19	Solid	Fluoranthene, 2-methyl-	*	430.000	J		
O3954-13	WC-19	Solid	Naphthalene, 1,2-dimethyl-	*	630.000	J		
O3954-13	WC-19	Solid	Naphthalene, 1,6-dimethyl-	*	360.000	J		

Hit Summary Sheet SW-846

SDG No.: BM081023

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3954-13	WC-19	Solid	Perylene	*	2,300.000	J		
O3954-13	WC-19	Solid	Phenanthrene, 1-methyl-	*	400.000	J		
O3954-13	WC-19	Solid	Pyrene, 4-methyl-	*	400.000	J		
Total Tics :				11,500.00				
O3954-13	WC-19	Solid	1,1-Biphenyl		3,200.000		310	590 ug/Kg
O3954-13	WC-19	Solid	1-Methylnaphthalene		9,700.000	E	310	590 ug/Kg
O3954-13	WC-19	Solid	2,4-Dimethylphenol		500.000	J	340	590 ug/Kg
O3954-13	WC-19	Solid	2-Methylnaphthalene		14,100.000	E	330	590 ug/Kg
O3954-13	WC-19	Solid	3+4-Methylphenols		680.000	J	370	1100 ug/Kg
O3954-13	WC-19	Solid	Acenaphthene		22,200.000	E	280	590 ug/Kg
O3954-13	WC-19	Solid	Acenaphthylene		3,300.000		300	590 ug/Kg
O3954-13	WC-19	Solid	Anthracene		44,100.000	E	350	590 ug/Kg
O3954-13	WC-19	Solid	Benzo(a)anthracene		58,900.000	E	290	590 ug/Kg
O3954-13	WC-19	Solid	Benzo(a)pyrene		48,300.000	E	330	590 ug/Kg
O3954-13	WC-19	Solid	Benzo(b)fluoranthene		60,100.000	E	280	590 ug/Kg
O3954-13	WC-19	Solid	Benzo(g,h,i)perylene		29,400.000	E	320	590 ug/Kg
O3954-13	WC-19	Solid	Benzo(k)fluoranthene		18,800.000	E	300	590 ug/Kg
O3954-13	WC-19	Solid	Carbazole		19,700.000	E	290	590 ug/Kg
O3954-13	WC-19	Solid	Chrysene		56,500.000	E	300	590 ug/Kg
O3954-13	WC-19	Solid	Dibenzo(a,h)anthracene		7,900.000		330	590 ug/Kg
O3954-13	WC-19	Solid	Dibenzofuran		18,400.000	E	270	590 ug/Kg
O3954-13	WC-19	Solid	Fluoranthene		119,700.000	E	330	590 ug/Kg
O3954-13	WC-19	Solid	Fluorene		26,800.000	E	290	590 ug/Kg
O3954-13	WC-19	Solid	Indeno(1,2,3-cd)pyrene		24,200.000	E	370	590 ug/Kg
O3954-13	WC-19	Solid	Naphthalene		37,700.000	E	280	590 ug/Kg
O3954-13	WC-19	Solid	Phenanthrene		139,900.000	E	320	590 ug/Kg
O3954-13	WC-19	Solid	Phenol		430.000	J	260	590 ug/Kg
O3954-13	WC-19	Solid	Pyrene		98,100.000	E	290	590 ug/Kg
O3954-13	WC-19	Solid	Total PAH		795,900.000	E	4960	9440 ug/Kg
Total Svoc :				1,658,510.00				
Total Concentration:				1,670,010.00				
Client ID :	WC-20							
O3954-17	WC-20	water	Dimethylphthalate		20.100	J	18.8	50 ug/L
Total Svoc :				20.10				
Total Concentration:				20.10				
Client ID :	WC-22							
O3955-01	WC-22	Solid	1-Hexacosene	*	77.800	J		
O3955-01	WC-22	Solid	4H-Cyclopenta[def]phenanthrene	*	46.700	J		
O3955-01	WC-22	Solid	n-Hexadecanoic acid	*	270.000	J		
O3955-01	WC-22	Solid	Octadecanoic acid	*	100.000	J		
Total Tics :				494.50				

Hit Summary Sheet SW-846

SDG No.: BM081023

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3955-01	WC-22	Solid	Benzo(a)anthracene	100.000	J	57.3	120	ug/Kg
O3955-01	WC-22	Solid	Benzo(a)pyrene	84.900	J	64.4	120	ug/Kg
O3955-01	WC-22	Solid	Benzo(b)fluoranthene	110.000	J	54.8	120	ug/Kg
O3955-01	WC-22	Solid	Chrysene	93.000	J	59.3	120	ug/Kg
O3955-01	WC-22	Solid	Fluoranthene	270.000		64.5	120	ug/Kg
O3955-01	WC-22	Solid	Phenanthrene	250.000		63.3	120	ug/Kg
O3955-01	WC-22	Solid	Pyrene	190.000		57.2	120	ug/Kg
Total Svoc :				1,097.90				
Total Concentration:				1,592.40				
Client ID : WC-25								
O3955-10	WC-25	Solid	2-Pentanone, 4-hydroxy-4-methyl *	160.000	A			
O3955-10	WC-25	Solid	9-Eicosene, (E)- *	62.400	J			
O3955-10	WC-25	Solid	n-Hexadecanoic acid *	260.000	J			
O3955-10	WC-25	Solid	Octadecanoic acid *	110.000	J			
Total Tics :				592.40				
Total Concentration:				592.40				
Client ID : WC-27								
O3955-16	WC-27	Solid	5-Eicosene, (E)- *	62.200	J			
O3955-16	WC-27	Solid	n-Hexadecanoic acid *	400.000	J			
O3955-16	WC-27	Solid	Octadecanoic acid *	190.000	J			
Total Tics :				652.20				
Total Concentration:				652.20				
Client ID : WC-28								
O3955-19	WC-28	Solid	2-Pentanone, 4-hydroxy-4-methyl *	65.400	A			
O3955-19	WC-28	Solid	n-Hexadecanoic acid *	300.000	J			
O3955-19	WC-28	Solid	Octadecanoic acid *	130.000	J			
O3955-19	WC-28	Solid	Pentadecafluorooctanoic acid, oct: *	83.900	J			
Total Tics :				579.30				
Total Concentration:				579.30				
Client ID : B-PP22								
O3956-01	B-PP22	Solid	11H-Benzo[b]fluorene *	180.000	J			
O3956-01	B-PP22	Solid	1H-Cyclopropa[1]phenanthrene, 1a *	330.000	J			
O3956-01	B-PP22	Solid	9,10-Dimethylanthracene *	400.000	J			
O3956-01	B-PP22	Solid	Anthracene, 1-methyl- *	450.000	J			
O3956-01	B-PP22	Solid	Benz[a]anthracene, 7-methyl- *	330.000	J			
O3956-01	B-PP22	Solid	Benzo[e]pyrene *	1,200.000	J			
O3956-01	B-PP22	Solid	Benzo[j]fluoranthene *	460.000	J			
O3956-01	B-PP22	Solid	Cyclopenta(def)phenanthrenone *	540.000	J			
O3956-01	B-PP22	Solid	Naphthalene, 1,2-dihydro-4-phenyl *	180.000	J			
O3956-01	B-PP22	Solid	Naphthalene, 2-phenyl- *	210.000	J			

Hit Summary Sheet SW-846

SDG No.: BM081023

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3956-01	B-PP22	Solid	Phenanthrene, 1-methyl-	*	270.000	J		
O3956-01	B-PP22	Solid	Phenanthrene, 2,3-dimethyl-	*	220.000	J		
O3956-01	B-PP22	Solid	Phenanthrene, 2,5-dimethyl-	*	890.000	J		
O3956-01	B-PP22	Solid	Phenanthrene, 2-methyl-	*	190.000	J		
O3956-01	B-PP22	Solid	Phenanthrene, 3,6-dimethyl-	*	210.000	J		
O3956-01	B-PP22	Solid	Pyrene, 1-methyl-	*	270.000	J		
O3956-01	B-PP22	Solid	Pyrene, 2-methyl-	*	190.000	J		
O3956-01	B-PP22	Solid	Pyrene, 4-methyl-	*	230.000	J		
Total Tics :					6,750.00			
O3956-01	B-PP22	Solid	Acenaphthylene		380.000		180	ug/Kg
O3956-01	B-PP22	Solid	Benzo(a)anthracene		1,500.000		170	ug/Kg
O3956-01	B-PP22	Solid	Benzo(a)pyrene		1,500.000		190	ug/Kg
O3956-01	B-PP22	Solid	Benzo(b)fluoranthene		1,700.000		160	ug/Kg
O3956-01	B-PP22	Solid	Benzo(g,h,i)perylene		1,000.000		180	ug/Kg
O3956-01	B-PP22	Solid	Benzo(k)fluoranthene		500.000		180	ug/Kg
O3956-01	B-PP22	Solid	Chrysene		1,500.000		170	ug/Kg
O3956-01	B-PP22	Solid	Dibenzo(a,h)anthracene		250.000	J	190	ug/Kg
O3956-01	B-PP22	Solid	Fluoranthene		2,000.000		190	ug/Kg
O3956-01	B-PP22	Solid	Indeno(1,2,3-cd)pyrene		750.000		210	ug/Kg
O3956-01	B-PP22	Solid	Phenanthrene		360.000		190	ug/Kg
O3956-01	B-PP22	Solid	Pyrene		2,200.000		170	ug/Kg
Total Svoc :					13,640.00			
Total Concentration:					20,390.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM072823

SAS No.: BM072823

SDG No.: BM072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 10:14 _____

LAB FILE ID:		RRF2.5 = BM041158.D			RRF005 = BM041159.D		RRF010 = BM041160.D	
		RRF020 = BM041161.D			RRF040 = BM041162.D		RRF050 = BM041163.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.696	0.712	0.741	0.705	0.665	0.696	4.0
Pyridine		1.372	1.497	1.610	1.565	1.488	1.505	5.1
2-Fluorophenol		1.294	1.392	1.395	1.361	1.305	1.338	3.6
Benzaldehyde			1.086	1.006	0.883	0.795	0.915	13.9
Aniline		1.995	2.050	2.173	2.060	1.966	2.030	3.8
Phenol-d6		1.706	1.763	1.842	1.752	1.678	1.735	3.6
Phenol		1.664	1.717	1.775	1.684	1.612	1.675	3.8
bis(2-Chloroethyl)ether		1.354	1.416	1.443	1.366	1.283	1.356	4.6
2-Chlorophenol		1.342	1.345	1.385	1.313	1.247	1.306	4.4
1,2-Dichlorobenzene		1.444	1.444	1.440	1.363	1.301	1.370	5.5
1,3-Dichlorobenzene		1.462	1.495	1.508	1.416	1.353	1.422	5.0
1,4-Dichlorobenzene		1.487	1.501	1.500	1.418	1.363	1.429	4.8
Benzyl Alcohol		1.115	1.002	1.114	1.109	1.087	1.095	4.2
2-Methylphenol		1.152	1.136	1.217	1.165	1.103	1.145	3.8
2,2-oxybis(1-Chloropropane)		1.909	1.876	1.941	1.807	1.699	1.807	6.1
Acetophenone		0.511	0.513	0.545	0.539	0.521	0.530	2.8
3+4-Methylphenols		1.453	1.524	1.643	1.562	1.489	1.530	4.4
n-Nitroso-di-n-propylamine	1.022	1.024	1.037	1.140	1.082	1.029	1.054	4.5
Nitrobenzene-d5		0.395	0.420	0.442	0.442	0.429	0.430	4.2
Hexachloroethane		0.538	0.531	0.560	0.544	0.514	0.532	3.5
Nitrobenzene		0.409	0.430	0.449	0.446	0.428	0.435	3.3
Isophorone		0.653	0.682	0.752	0.752	0.731	0.730	6.4
2-Nitrophenol		0.139	0.148	0.169	0.180	0.177	0.170	11.4
2,4-Dimethylphenol		0.271	0.290	0.309	0.309	0.298	0.299	4.8
bis(2-Chloroethoxy)methane		0.433	0.448	0.474	0.469	0.447	0.457	3.4
2,4-Dichlorophenol		0.262	0.285	0.312	0.313	0.303	0.302	7.0
1,2,4-Trichlorobenzene		0.324	0.328	0.338	0.336	0.328	0.333	2.1
Benzoic acid			0.118	0.167	0.205	0.213	0.198	24.3
Naphthalene		1.089	1.087	1.118	1.089	1.048	1.085	2.1
4-Chloroaniline		0.389	0.418	0.443	0.446	0.431	0.434	5.7
Hexachlorobutadiene		0.196	0.192	0.204	0.204	0.197	0.200	2.6
Caprolactam			0.071	0.082	0.089	0.088	0.087	11.3
4-Chloro-3-methylphenol		0.287	0.297	0.325	0.326	0.318	0.318	6.1
2-Methylnaphthalene		0.707	0.716	0.751	0.737	0.712	0.732	2.9
Hexachlorocyclopentadiene			0.266	0.320	0.361	0.357	0.344	13.1
2,4,6-Trichlorophenol		0.353	0.390	0.425	0.434	0.421	0.416	8.1

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.: BM072823

SAS No.: BM072823

SDG No.: BM072823

Instrument ID:

Calibration Date(s): 7/28/2023 :

Calibration Time(s): 10:14

LAB FILE ID:		RRF2.5 = BM041158.D			RRF005 = BM041159.D		RRF010 = BM041160.D	
		RRF020 = BM041161.D			RRF040 = BM041162.D		RRF050 = BM041163.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.537	1.543	1.618	1.622	1.552	1.583	2.4
2,4,5-Trichlorophenol		0.414	0.455	0.490	0.497	0.489	0.482	7.4
1,1-Biphenyl		1.568	1.603	1.667	1.648	1.585	1.621	2.3
2-Chloronaphthalene		1.172	1.200	1.240	1.230	1.182	1.211	2.2
2-Nitroaniline		0.296	0.330	0.387	0.415	0.406	0.386	13.8
Dimethylphthalate		1.429	1.464	1.532	1.524	1.477	1.504	3.5
Acenaphthylene		1.783	1.890	2.017	2.018	1.930	1.954	4.7
2,6-Dinitrotoluene		0.261	0.289	0.318	0.325	0.317	0.312	8.9
3-Nitroaniline		0.231	0.276	0.332	0.354	0.346	0.326	16.4
Acenaphthene		1.139	1.153	1.204	1.193	1.153	1.177	2.4
2,4-Dinitrophenol			0.118	0.163	0.187	0.189	0.180	19.8
4-Nitrophenol			0.191	0.246	0.269	0.266	0.260	14.6
Dibenzofuran		1.880	1.907	1.969	1.936	1.865	1.921	2.2
2,4-Dinitrotoluene		0.283	0.341	0.408	0.430	0.427	0.402	16.6
Diethylphthalate		1.349	1.387	1.463	1.480	1.444	1.455	5.1
4-Chlorophenyl-phenylether		0.694	0.721	0.766	0.775	0.753	0.759	5.5
Fluorene		1.449	1.458	1.548	1.533	1.487	1.515	3.4
4-Nitroaniline		0.166	0.215	0.273	0.313	0.322	0.284	24.8
4,6-Dinitro-2-methylphenol			0.089	0.114	0.127	0.126	0.121	14.7
n-Nitrosodiphenylamine		0.578	0.606	0.636	0.644	0.614	0.622	3.9
Azobenzene		1.364	1.505	1.650	1.666	1.610	1.594	7.6
2,4,6-Tribromophenol		0.241	0.258	0.285	0.292	0.286	0.283	9.0
4-Bromophenyl-phenylether		0.200	0.209	0.222	0.225	0.220	0.219	5.1
Hexachlorobenzene		0.234	0.238	0.246	0.247	0.239	0.244	2.8
Atrazine		0.151	0.164	0.171	0.169	0.164	0.163	4.1
Pentachlorophenol		0.132	0.150	0.168	0.180	0.176	0.169	12.5
Phenanthrene		1.081	1.102	1.122	1.126	1.083	1.111	2.1
Anthracene		0.981	1.047	1.115	1.142	1.092	1.099	6.0
Carbazole		0.870	0.952	1.005	1.039	1.001	0.995	6.5
Di-n-butylphthalate		0.892	0.992	1.099	1.196	1.180	1.124	12.5
Fluoranthene		1.111	1.191	1.239	1.285	1.253	1.248	6.3
Benzidine		0.214	0.253	0.243	0.331	0.287	0.273	14.1
Pyrene		1.339	1.317	1.445	1.432	1.388	1.399	3.8
Terphenyl-d14		1.023	1.028	1.125	1.146	1.120	1.106	5.4
Butylbenzylphthalate		0.385	0.432	0.504	0.550	0.550	0.511	14.8
3,3-Dichlorobenzidine		0.350	0.407	0.448	0.476	0.458	0.442	10.9

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.: BM072823

SAS No.: BM072823

SDG No.: BM072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 10:14 _____

LAB FILE ID:		RRF2.5 = BM041158.D			RRF005 = BM041159.D		RRF010 = BM041160.D	
		RRF020 = BM041161.D			RRF040 = BM041162.D		RRF050 = BM041163.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.253	1.301	1.389	1.390	1.351	1.356	4.3
Chrysene		1.269	1.286	1.339	1.322	1.282	1.311	2.6
Bis(2-ethylhexyl)phthalate		0.511	0.613	0.712	0.794	0.798	0.730	17.5
Di-n-octyl phthalate			1.040	1.185	1.335	1.340	1.291	12.0
Benzo(b)fluoranthene		1.097	1.138	1.180	1.211	1.192	1.188	4.8
Benzo(k)fluoranthene		1.096	1.139	1.243	1.291	1.211	1.215	5.9
Benzo(a)pyrene		1.014	1.059	1.149	1.189	1.164	1.142	6.7
Indeno(1,2,3-cd)pyrene		1.322	1.387	1.477	1.519	1.482	1.470	5.9
Dibenzo(a,h)anthracene		1.081	1.153	1.221	1.266	1.245	1.226	6.9
Benzo(g,h,i)perylene		1.126	1.161	1.219	1.234	1.187	1.200	3.7
1,2,4,5-Tetrachlorobenzene		0.611	0.637	0.663	0.661	0.644	0.649	3.2
1,4-Dioxane		0.598	0.607	0.601	0.572	0.543	0.572	5.5
2,3,4,6-Tetrachlorophenol		0.355	0.367	0.398	0.397	0.390	0.390	5.6
1-Methylnaphthalene		0.673	0.670	0.701	0.689	0.666	0.685	2.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 10 2023 12:00AMLab File ID: BM041162.D Time Analyzed: 09:56Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	195180	7.804	706103	10.62	380278	14.47
	UPPER LIMIT	390360	8.304	1412206	11.116	760556	14.974
	LOWER LIMIT	97590	7.304	353051.5	10.116	190139	13.974
	EPA SAMPLE NO.						
01	PB154720BS	149774	7.78	636017	10.59	411625	14.45
02	PB154720BSD	134601	7.78	571012	10.59	388141	14.45
03	PB154720BL	164644	7.78	636932	10.59	438173	14.45
04	MANHOLE	114708	7.78	454662	10.58	301584	14.44
05	PB154742BL	155836	7.78	602135	10.59	401577	14.45
06	WC-15	113998	7.78	438357	10.58	261572	14.44
07	WC-16	140590	7.78	528707	10.58	308797	14.45
08	WC-27	125985	7.78	466512	10.58	275343	14.45
09	WC-28	117005	7.78	435675	10.58	263916	14.45
10	WC-18	122153	7.78	439895	10.58	268092	14.44
11	WC-25	115797	7.78	417309	10.58	233678	14.45
12	WC-22	113968	7.78	412063	10.58	232076	14.44
13	WC-27	168194	7.78	644583	10.58	396647	14.44
14	WC-28	114680	7.78	418480	10.58	238776	14.44
15	WC-20	148680	7.78	571934	10.58	310864	14.44
16	WC-22	134358	7.78	532103	10.58	347612	14.44
17	WC-21	134956	7.78	489633	10.58	276506	14.44
18	B-PP22	124760	7.77	449072	10.58	262175	14.44
19	OK-1-080923	62371 *	7.77	223474 *	10.58	124686 *	14.44
20	WC-19	66880 *	7.77	248160 *	10.58	146526 *	14.44

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041162.D Time Analyzed: 23:21

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	195180	7.804	706103	10.62	380278	14.47
UPPER LIMIT	390360	8.304	1412206	11.116	760556	14.974
LOWER LIMIT	97590	7.304	353051.5	10.116	190139	13.974
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041354.D Time Analyzed: 09:56

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	179808	7.781	745860	10.58	497962	14.45
UPPER LIMIT	359616	8.281	1491720	11.081	995924	14.945
LOWER LIMIT	89904	7.281	372930	10.081	248981	13.945
EPA SAMPLE NO.						
01 PB154720BS	149774	7.78	636017	10.59	411625	14.45
02 PB154720BSD	134601	7.78	571012	10.59	388141	14.45
03 PB154720BL	164644	7.78	636932	10.59	438173	14.45
04 MANHOLE	114708	7.78	454662	10.58	301584	14.44

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.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041360.D Time Analyzed: 13:58

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	161892	7.781	661233	10.59	457612	14.45
	UPPER LIMIT	323784	8.281	1322466	11.086	915224	14.945
	LOWER LIMIT	80946	7.281	330616.5	10.086	228806	13.945
	EPA SAMPLE NO.						
01	PB154742BL	155836	7.78	602135	10.59	401577	14.45
02	WC-15	113998	7.78	438357	10.58	261572	14.44
03	WC-16	140590	7.78	528707	10.58	308797	14.45
04	WC-27	125985	7.78	466512	10.58	275343	14.45
05	WC-28	117005	7.78	435675	10.58	263916	14.45
06	WC-18	122153	7.78	439895	10.58	268092	14.44
07	WC-25	115797	7.78	417309	10.58	233678	14.45
08	WC-22	113968	7.78	412063	10.58	232076	14.44
09	WC-27	168194	7.78	644583	10.58	396647	14.44
10	WC-28	114680	7.78	418480	10.58	238776	14.44
11	WC-20	148680	7.78	571934	10.58	310864	14.44
12	WC-22	134358	7.78	532103	10.58	347612	14.44
13	WC-21	134956	7.78	489633	10.58	276506	14.44
14	B-PP22	124760	7.77	449072	10.58	262175	14.44
15	OK-1-080923	62371 *	7.77	223474 *	10.58	124686 *	14.44
16	WC-19	66880 *	7.77	248160 *	10.58	146526 *	14.44

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.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041162.D Time Analyzed: 09:56

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	753520	17.227	710612	21.433	769838	23.803
UPPER LIMIT	1507040	17.727	1421224	21.933	1539676	24.303
LOWER LIMIT	376760	16.727	355306	20.933	384919	23.303
EPA SAMPLE NO.						
01 PB154720BS	926193	17.21	893684	21.42	1.04535e+	23.78
02 PB154720BSD	882007	17.20	916470	21.42	1.08131e+	23.78
03 PB154720BL	1.04463	17.21	1.0629e+0	21.42	1.15956e+	23.79
04 MANHOLE	699726	17.20	726388	21.41	844326	23.77
05 PB154742BL	968472	17.21	924312	21.42	1.004e+00	23.79
06 WC-15	530867	17.21	490966	21.41	628688	23.78
07 WC-16	599742	17.20	531729	21.41	666488	23.78
08 WC-27	539181	17.20	487904	21.41	602459	23.78
09 WC-28	603869	17.20	636014	21.41	777970	23.77
10 WC-18	598909	17.20	644285	21.41	774258	23.78
11 WC-25	492532	17.20	531373	21.41	687620	23.77
12 WC-22	497184	17.20	561217	21.41	700465	23.77
13 WC-27	812634	17.20	603209	21.42	697800	23.78
14 WC-28	512615	17.20	527632	21.41	668611	23.78
15 WC-20	635030	17.20	511706	21.42	355248 *	23.79
16 WC-22	759814	17.20	555790	21.42	608484	23.78
17 WC-21	539644	17.20	490691	21.42	638192	23.78
18 B-PP22	596586	17.20	678866	21.41	829820	23.77
19 OK-1-080923	271366 *	17.20	292413 *	21.40	360846 *	23.77
20 WC-19	301857 *	17.20	323463 *	21.42	415033	23.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041162.D Time Analyzed: 23:21

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	753520	17.227	710612	21.433	769838	23.803
UPPER LIMIT	1507040	17.727	1421224	21.933	1539676	24.303
LOWER LIMIT	376760	16.727	355306	20.933	384919	23.303
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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041354.D Time Analyzed: 09:56

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.15828e+01	17.21	1.20844e+01	21.421	1.43214e+01	23.78
UPPER LIMIT	2316560	17.71	2416880	21.921	2864280	24.28
LOWER LIMIT	579140	16.71	604220	20.921	716070	23.28
EPA SAMPLE NO.						
01 PB154720BS	926193	17.21	893684	21.42	1.04535e+01	23.78
02 PB154720BSD	882007	17.20	916470	21.42	1.08131e+01	23.78
03 PB154720BL	1.04463	17.21	1.0629e+01	21.42	1.15956e+01	23.79
04 MANHOLE	699726	17.20	726388	21.41	844326	23.77

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041360.D Time Analyzed: 13:58

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.07527e+04	17.204	1.14307e+	21.415	1.2955e+00	23.774
UPPER LIMIT	2150540	17.704	2286140	21.915	2591000	24.274
LOWER LIMIT	537635	16.704	571535	20.915	647750	23.274
EPA SAMPLE NO.						
01 PB154742BL	968472	17.21	924312	21.42	1.004e+00	23.79
02 WC-15	530867 *	17.21	490966 *	21.41	628688 *	23.78
03 WC-16	599742	17.20	531729 *	21.41	666488	23.78
04 WC-27	539181	17.20	487904 *	21.41	602459 *	23.78
05 WC-28	603869	17.20	636014	21.41	777970	23.77
06 WC-18	598909	17.20	644285	21.41	774258	23.78
07 WC-25	492532 *	17.20	531373 *	21.41	687620	23.77
08 WC-22	497184 *	17.20	561217 *	21.41	700465	23.77
09 WC-27	812634	17.20	603209	21.42	697800	23.78
10 WC-28	512615 *	17.20	527632 *	21.41	668611	23.78
11 WC-20	635030	17.20	511706 *	21.42	355248 *	23.79
12 WC-22	759814	17.20	555790 *	21.42	608484 *	23.78
13 WC-21	539644	17.20	490691 *	21.42	638192 *	23.78
14 B-PP22	596586	17.20	678866	21.41	829820	23.77
15 OK-1-080923	271366 *	17.20	292413 *	21.40	360846 *	23.77
16 WC-19	301857 *	17.20	323463 *	21.42	415033 *	23.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081023 SAS No.: BM081023 SDG NO.: BM081023

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 10 2023 12:00AM

Lab File ID: BM041360.D Time Analyzed: 23:21

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.07527e+04	17.204	1.14307e+04	21.415	1.2955e+004	23.774
UPPER LIMIT	2150540	17.704	2286140	21.915	2591000	24.274
LOWER LIMIT	537635	16.704	571535	20.915	647750	23.274
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.: BM081023

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154720BS	n-Nitrosodimethylamine	50	44.1	ug/L	88				52	110	
	Pyridine	50	35.6	ug/L	71				55	145	
	Benzaldehyde	50	38.6	ug/L	77				10	110	
	Aniline	50	36.1	ug/L	72				50	150	
	Phenol	50	56	ug/L	112				48	130	
	bis(2-Chloroethyl)ether	50	50.5	ug/L	101				52	130	
	2-Chlorophenol	50	56.4	ug/L	113				55	130	
	1,2-Dichlorobenzene	50	53.9	ug/L	108				32	129	
	1,3-Dichlorobenzene	50	52.7	ug/L	105				1	172	
	1,4-Dichlorobenzene	50	53.3	ug/L	107				20	124	
	Benzyl Alcohol	50	62.5	ug/L	125				10	156	
	2-Methylphenol	50	55.6	ug/L	111				15	153	
	2,2-oxybis(1-Chloropropane)	50	46.4	ug/L	93				63	139	
	Acetophenone	50	48.9	ug/L	98				21	128	
	3+4-Methylphenols	50	56	ug/L	112				10	156	
	N-Nitroso-di-n-propylamine	50	55.6	ug/L	111				59	170	
	Hexachloroethane	50	54.1	ug/L	108				55	130	
	Nitrobenzene	50	47.1	ug/L	94				54	158	
	Isophorone	50	52.4	ug/L	105				52	180	
	2-Nitrophenol	50	55.7	ug/L	111				61	163	
	2,4-Dimethylphenol	50	51	ug/L	102				58	130	
	bis(2-Chloroethoxy)methane	50	49.2	ug/L	98				52	164	
	2,4-Dichlorophenol	50	58.3	ug/L	117				64	130	
	1,2,4-Trichlorobenzene	50	53.6	ug/L	107				44	142	
	Benzoic acid	50	54	ug/L	108				10	159	
	Naphthalene	50	47.5	ug/L	95				70	130	
	4-Chloroaniline	50	19.4	ug/L	39				10	126	
	Hexachlorobutadiene	50	56.7	ug/L	113				68	130	
	Caprolactam	50	61.6	ug/L	123				10	160	
	4-Chloro-3-methylphenol	50	58.3	ug/L	117				68	130	
	2-Methylnaphthalene	50	49.6	ug/L	99				25	124	
	Hexachlorocyclopentadiene	100	110	ug/L	110				21	137	
	2,4,6-Trichlorophenol	50	56.6	ug/L	113				69	130	
	2,4,5-Trichlorophenol	50	53.7	ug/L	107		*		74	100	
	1,1-Biphenyl	50	47.6	ug/L	95				20	125	
	2-Chloronaphthalene	50	50.1	ug/L	100				70	130	
	2-Nitroaniline	50	50.3	ug/L	101				61	112	
	Dimethylphthalate	50	52.8	ug/L	106				50	130	
	Acenaphthylene	50	50.8	ug/L	102				60	130	
	2,6-Dinitrotoluene	50	56.2	ug/L	112				68	137	
	3-Nitroaniline	50	35	ug/L	70				35	106	
	Acenaphthene	50	48.3	ug/L	97				70	130	
	Total PAH	800	794.3	ug/L	99				70	130	
	2,4-Dinitrophenol	100	110	ug/L	110				39	173	
	4-Nitrophenol	100	99	ug/L	99				35	130	
	Dibenzofuran	50	49.5	ug/L	99				29	125	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM081023

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154720BS	2,4-Dinitrotoluene	50	54.8	ug/L	110					53	130	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	111	ug/L	111					53	130	
	Diethylphthalate	50	55	ug/L	110					47	130	
	4-Chlorophenyl-phenylether	50	54.3	ug/L	109					57	145	
	Fluorene	50	50.8	ug/L	102					70	130	
	4-Nitroaniline	50	45.1	ug/L	90					69	101	
	4,6-Dinitro-2-methylphenol	50	55.9	ug/L	112					56	130	
	N-Nitrosodiphenylamine	50	47.6	ug/L	95					63	100	
	Azobenzene	50	50	ug/L	100					58	105	
	4-Bromophenyl-phenylether	50	52.2	ug/L	104					70	130	
	Hexachlorobenzene	50	55.3	ug/L	111					38	142	
	Atrazine	50	70.1	ug/L	140		*			51	130	
	Pentachlorophenol	100	94.4	ug/L	94					42	152	
	Phenanthrene	50	48.6	ug/L	97					67	130	
	Anthracene	50	50.1	ug/L	100					58	130	
	Carbazole	50	49.3	ug/L	99					60	125	
	Di-n-butylphthalate	50	55.7	ug/L	111					52	130	
	Fluoranthene	50	52.1	ug/L	104					47	130	
	Benzidine	100	92.2	ug/L	92					10	133	
	Pyrene	50	50	ug/L	100					70	130	
	Butylbenzylphthalate	50	57.2	ug/L	114					43	140	
	3,3-Dichlorobenzidine	50	46.4	ug/L	93					18	213	
	Benzo(a)anthracene	50	52.2	ug/L	104					42	133	
	Chrysene	50	50.1	ug/L	100					44	140	
	bis(2-Ethylhexyl)phthalate	50	53.8	ug/L	108					43	137	
	Di-n-octyl phthalate	50	58.8	ug/L	118					21	132	
	Benzo(b)fluoranthene	50	53.7	ug/L	107					42	140	
	Benzo(k)fluoranthene	50	48.6	ug/L	97					25	146	
	Benzo(a)pyrene	50	48.4	ug/L	97					32	148	
	Indeno(1,2,3-cd)pyrene	50	47.7	ug/L	95					13	151	
	Dibenz(a,h)anthracene	50	48.2	ug/L	96					13	200	
	Benzo(g,h,i)perylene	50	47.2	ug/L	94					13	195	
	1,2,4,5-Tetrachlorobenzene	50	50.4	ug/L	101					70	130	
	2,3,4,6-Tetrachlorophenol	50	59.2	ug/L	118					70	130	
	1,4-Dioxane	50	36.3	ug/L	73					70	130	
PB154720BSD	n-Nitrosodimethylamine	50	44.2	ug/L	88	0				52	110	20
	Pyridine	50	35.9	ug/L	72	1				55	145	20
	Benzaldehyde	50	38.6	ug/L	77	0				10	110	20
	Aniline	50	34.9	ug/L	70	3				50	150	20
	Phenol	50	56.8	ug/L	114	1				48	130	20
	bis(2-Chloroethyl)ether	50	50.2	ug/L	100	1				52	130	20
	2-Chlorophenol	50	56.6	ug/L	113	0				55	130	20
	1,2-Dichlorobenzene	50	53.9	ug/L	108	0				32	129	20
	1,3-Dichlorobenzene	50	52.5	ug/L	105	0				1	172	20
	1,4-Dichlorobenzene	50	53.2	ug/L	106	0				20	124	20
	Benzyl Alcohol	50	63.7	ug/L	127	2				10	156	20



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

SDG No.: BM081023

Client:

Analytical Method: 625.1

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB154720BSD	2-Methylphenol	50	56.5	ug/L	113	2			15	153	20
	2,2-oxybis(1-Chloropropane)	50	46	ug/L	92	1			63	139	20
	Acetophenone	50	49.1	ug/L	98	0			21	128	20
	3+4-Methylphenols	50	57.4	ug/L	115	2			10	156	20
	N-Nitroso-di-n-propylamine	50	56.8	ug/L	114	2			59	170	20
	Hexachloroethane	50	53.9	ug/L	108	0			55	130	20
	Nitrobenzene	50	46.9	ug/L	94	0			54	158	20
	Isophorone	50	52.8	ug/L	106	1			52	180	20
	2-Nitrophenol	50	56.5	ug/L	113	1			61	163	20
	2,4-Dimethylphenol	50	52.4	ug/L	105	3			58	130	20
	bis(2-Chloroethoxy)methane	50	49.2	ug/L	98	0			52	164	20
	2,4-Dichlorophenol	50	59.7	ug/L	119	2			64	130	20
	1,2,4-Trichlorobenzene	50	54.5	ug/L	109	2			44	142	20
	Benzoic acid	50	55.5	ug/L	111	3			10	159	20
	Naphthalene	50	47.9	ug/L	96	1			70	130	20
	4-Chloroaniline	50	20.9	ug/L	42	7			10	126	20
	Hexachlorobutadiene	50	56.9	ug/L	114	0			68	130	20
	Caprolactam	50	65.8	ug/L	132	7			10	160	20
	4-Chloro-3-methylphenol	50	61	ug/L	122	5			68	130	20
	2-Methylnaphthalene	50	50.8	ug/L	102	2			25	124	20
	Hexachlorocyclopentadiene	100	100	ug/L	100	10			21	137	20
	2,4,6-Trichlorophenol	50	56.2	ug/L	112	1			69	130	20
	2,4,5-Trichlorophenol	50	53.1	ug/L	106	1	*		74	100	20
	1,1-Biphenyl	50	46.6	ug/L	93	2			20	125	20
	2-Chloronaphthalene	50	48.9	ug/L	98	2			70	130	20
	2-Nitroaniline	50	49.9	ug/L	100	1			61	112	20
	Dimethylphthalate	50	53	ug/L	106	0			50	130	20
	Acenaphthylene	50	50.3	ug/L	101	1			60	130	20
	2,6-Dinitrotoluene	50	56	ug/L	112	0			68	137	20
	3-Nitroaniline	50	34.6	ug/L	69	1			35	106	20
	Acenaphthene	50	47.9	ug/L	96	1			70	130	20
	Total PAH	800	794.6	ug/L	99	0			70	130	20
	2,4-Dinitrophenol	100	110	ug/L	110	0			39	173	20
	4-Nitrophenol	100	100	ug/L	100	1			35	130	20
	Dibenzofuran	50	49.3	ug/L	99	0			29	125	20
	2,4-Dinitrotoluene	50	55.3	ug/L	111	1			53	130	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	111.3	ug/L	111	0			53	130	20
	Diethylphthalate	50	55.3	ug/L	111	1			47	130	20
	4-Chlorophenyl-phenylether	50	53.8	ug/L	108	1			57	145	20
	Fluorene	50	51.1	ug/L	102	1			70	130	20
	4-Nitroaniline	50	46.4	ug/L	93	3			69	101	20
	4,6-Dinitro-2-methylphenol	50	56.9	ug/L	114	2			56	130	20
	N-Nitrosodiphenylamine	50	47.6	ug/L	95	0			63	100	20
	Azobenzene	50	50.5	ug/L	101	1			58	105	20
	4-Bromophenyl-phenylether	50	51.9	ug/L	104	1			70	130	20
	Hexachlorobenzene	50	55	ug/L	110	1			38	142	20



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

SDG No.: BM081023

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154720BSD	Atrazine	50	70.8	ug/L	142	1	*		51	130	20
	Pentachlorophenol	100	95.5	ug/L	96	1			42	152	20
	Phenanthrene	50	49	ug/L	98	1			67	130	20
	Anthracene	50	50.7	ug/L	101	1			58	130	20
	Carbazole	50	50.5	ug/L	101	2			60	125	20
	Di-n-butylphthalate	50	56.9	ug/L	114	2			52	130	20
	Fluoranthene	50	54.1	ug/L	108	4			47	130	20
	Benzidine	100	92.2	ug/L	92	0			10	133	20
	Pyrene	50	48.6	ug/L	97	3			70	130	20
	Butylbenzylphthalate	50	56.8	ug/L	114	1			43	140	20
	3,3-Dichlorobenzidine	50	46.1	ug/L	92	1			18	213	20
	Benzo(a)anthracene	50	52.2	ug/L	104	0			42	133	20
	Chrysene	50	49.9	ug/L	100	0			44	140	20
	bis(2-Ethylhexyl)phthalate	50	53.2	ug/L	106	1			43	137	20
	Di-n-octyl phthalate	50	59.9	ug/L	120	2			21	132	20
	Benzo(b)fluoranthene	50	52.6	ug/L	105	2			42	140	20
	Benzo(k)fluoranthene	50	50.7	ug/L	101	4			25	146	20
	Benzo(a)pyrene	50	48.4	ug/L	97	0			32	148	20
	Indeno(1,2,3-cd)pyrene	50	47.3	ug/L	95	1			13	151	20
	Dibenz(a,h)anthracene	50	47.8	ug/L	96	1			13	200	20
	Benzo(g,h,i)perylene	50	46.1	ug/L	92	2			13	195	20
	1,2,4,5-Tetrachlorobenzene	50	48.8	ug/L	98	3			70	130	20
	2,3,4,6-Tetrachlorophenol	50	60.7	ug/L	121	3			70	130	20
	1,4-Dioxane	50	37.2	ug/L	74	2			70	130	20



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154720BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM081023SAS No.: BM081023 SDG NO.: BM081023Lab File ID: BM041357.DLab Sample ID: PB154720BLInstrument ID: BNA_MDate Extracted: 08/09/2023Matrix: (soil/water) WaterDate Analyzed: 08/10/2023Level: (low/med) LOWTime Analyzed: 11:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MANHOLE	O3937-01	BM041358.D	08/10/2023
PB154720BS	PB154720BS	BM041355.D	08/10/2023
PB154720BSD	PB154720BSD	BM041356.D	08/10/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154742BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM081023SAS No.: BM081023 SDG NO.: BM081023Lab File ID: BM041361.DLab Sample ID: PB154742BLInstrument ID: BNA_MDate Extracted: 08/10/2023Matrix: (soil/water) SolidDate Analyzed: 08/10/2023Level: (low/med) LOWTime Analyzed: 13:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-15	03954-01	BM041362.D	08/10/2023
WC-16	03954-04	BM041363.D	08/10/2023
WC-27	03955-16	BM041364.D	08/10/2023
WC-28	03955-19	BM041365.D	08/10/2023
WC-18	03954-10	BM041366.D	08/10/2023
WC-25	03955-10	BM041367.D	08/10/2023
WC-22	03955-01	BM041368.D	08/10/2023
B-PP22	03956-01	BM041374.D	08/10/2023
OK-1-080923	03952-01	BM041375.D	08/10/2023
WC-19	03954-13	BM041376.D	08/10/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-27

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM081023SAS No.: BM081023 SDG NO.: BM081023Lab File ID: BM041369.DLab Sample ID: O3955-17Instrument ID: BNA_MDate Extracted: 08/10/2023Matrix: (soil/water) waterDate Analyzed: 08/10/2023Level: (low/med) LOWTime Analyzed: 19:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-27	O3955-17	BM041369.D	08/10/2023
WC-28	O3955-20	BM041370.D	08/10/2023
WC-20	O3954-17	BM041371.D	08/10/2023
WC-22	O3955-02	BM041372.D	08/10/2023
WC-21	O3954-20	BM041373.D	08/10/2023

COMMENTS: _____



Surrogate Summary

SW-846

SDG No.: BM081023

Client: _____

Analytical Method: 625.1

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3937-01	MANHOLE	BM041358.D	2-Fluorophenol	100	30.41	30	*	60	140
			Phenol-d6	100	16.35	16	*	60	140
			Nitrobenzene-d5	100	71.96	72		60	140
			2-Fluorobiphenyl	100	72.19	72		60	140
			2,4,6-Tribromophenol	100	86.76	87		60	140
			Terphenyl-d14	100	68.43	68		60	140
PB154720BL	PB154720BL	BM041357.D	2-Fluorophenol	100	87.62	88		60	140
			Phenol-d6	100	80.86	81		60	140
			Nitrobenzene-d5	100	82.97	83		60	140
			2-Fluorobiphenyl	100	80.51	81		60	140
			2,4,6-Tribromophenol	100	98.68	99		60	140
			Terphenyl-d14	100	97.37	97		60	140
PB154720BS	PB154720BS	BM041355.D	2-Fluorophenol	100	102.08	102		60	140
			Phenol-d6	100	100.75	101		60	140
			Nitrobenzene-d5	100	92.76	93		60	140
			2-Fluorobiphenyl	100	92.30	92		60	140
			2,4,6-Tribromophenol	100	110.72	111		60	140
			Terphenyl-d14	100	103.75	104		60	140
PB154720BSD	PB154720BSD	BM041356.D	2-Fluorophenol	100	101.89	102		60	140
			Phenol-d6	100	102.27	102		60	140
			Nitrobenzene-d5	100	92.85	93		60	140
			2-Fluorobiphenyl	100	90.17	90		60	140
			2,4,6-Tribromophenol	100	111.62	112		60	140
			Terphenyl-d14	100	100.97	101		60	140

Surrogate Summary

SW-846

SDG No.: BM081023

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3952-01	OK-1-080923	BM041375.D	2-Fluorophenol	150	176.45	118	*	18	112
			Phenol-d6	150	139.90	93		15	107
			Nitrobenzene-d5	100	101.39	101		18	107
			2-Fluorobiphenyl	100	116.09	116	*	20	109
			2,4,6-Tribromophenol	150	178.12	119	*	10	110
			Terphenyl-d14	100	126.82	127	*	14	112
O3954-01	WC-15	BM041362.D	2-Fluorophenol	150	62.40	42		18	112
			Phenol-d6	150	58.94	39		15	107
			Nitrobenzene-d5	100	40.66	41		18	107
			2-Fluorobiphenyl	100	41.45	41		20	109
			2,4,6-Tribromophenol	150	59.73	40		10	110
			Terphenyl-d14	100	43.21	43		14	112
O3954-04	WC-16	BM041363.D	2-Fluorophenol	150	80.59	54		18	112
			Phenol-d6	150	74.17	49		15	107
			Nitrobenzene-d5	100	50.42	50		18	107
			2-Fluorobiphenyl	100	50.33	50		20	109
			2,4,6-Tribromophenol	150	81.05	54		10	110
			Terphenyl-d14	100	52.23	52		14	112
O3954-10	WC-18	BM041366.D	2-Fluorophenol	150	107.76	72		18	112
			Phenol-d6	150	98.39	66		15	107
			Nitrobenzene-d5	100	70.42	70		18	107
			2-Fluorobiphenyl	100	65.89	66		20	109
			2,4,6-Tribromophenol	150	128.34	86		10	110
			Terphenyl-d14	100	69.21	69		14	112
O3954-13	WC-19	BM041376.D	2-Fluorophenol	150	168.60	112		18	112
			Phenol-d6	150	147.96	99		15	107
			Nitrobenzene-d5	100	102.02	102		18	107
			2-Fluorobiphenyl	100	113.41	113	*	20	109
			2,4,6-Tribromophenol	150	170.50	114	*	10	110
			Terphenyl-d14	100	108.90	109		14	112
O3955-01	WC-22	BM041368.D	2-Fluorophenol	150	59.98	40		18	112
			Phenol-d6	150	52.24	35		15	107
			Nitrobenzene-d5	100	39.24	39		18	107
			2-Fluorobiphenyl	100	39.87	40		20	109
			2,4,6-Tribromophenol	150	59.23	39		10	110
			Terphenyl-d14	100	37.46	37		14	112
O3955-10	WC-25	BM041367.D	2-Fluorophenol	150	84.63	56		18	112
			Phenol-d6	150	74.17	49		15	107
			Nitrobenzene-d5	100	54.82	55		18	107
			2-Fluorobiphenyl	100	58.34	58		20	109
			2,4,6-Tribromophenol	150	87.91	59		10	110
			Terphenyl-d14	100	56.21	56		14	112
O3955-16	WC-27	BM041364.D	2-Fluorophenol	150	74.09	49		18	112
			Phenol-d6	150	67.76	45		15	107
			Nitrobenzene-d5	100	45.64	46		18	107
			2-Fluorobiphenyl	100	47.74	48		20	109
			2,4,6-Tribromophenol	150	74.17	49		10	110
			Terphenyl-d14	100	53.50	54		14	112
O3955-19	WC-28	BM041365.D	2-Fluorophenol	150	68.10	45		18	112
			Phenol-d6	150	63.48	42		15	107
			Nitrobenzene-d5	100	45.59	46		18	107



Surrogate Summary
SW-846

SDG No.: BM081023

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3955-19	WC-28	BM041365.D	2-Fluorobiphenyl	100	44.01	44		20	109
			2,4,6-Tribromophenol	150	70.16	47		10	110
			Terphenyl-d14	100	49.31	49		14	112
O3956-01	B-PP22	BM041374.D	2-Fluorophenol	150	72.49	48		18	112
			Phenol-d6	150	61.82	41		15	107
			Nitrobenzene-d5	100	45.59	46		18	107
			2-Fluorobiphenyl	100	45.25	45		20	109
			2,4,6-Tribromophenol	150	80.45	54		10	110
			Terphenyl-d14	100	46.36	46		14	112
PB154742BL	PB154742BL	BM041361.D	2-Fluorophenol	150	141.16	94		18	112
			Phenol-d6	150	132.65	88		15	107
			Nitrobenzene-d5	100	88.97	89		18	107
			2-Fluorobiphenyl	100	86.63	87		20	109
			2,4,6-Tribromophenol	150	164.03	109		10	110
			Terphenyl-d14	100	105.13	105		14	112



Surrogate Summary

SW-846

SDG No.: BM081023

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3954-17	WC-20	BM041371.D	2-Fluorophenol	150	114.25	76		10	139
			Phenol-d6	150	94.19	63		10	134
			Nitrobenzene-d5	100	81.55	82		49	133
			2-Fluorobiphenyl	100	90.16	90		52	132
			2,4,6-Tribromophenol	150	133.53	89		32	145
			Terphenyl-d14	100	103.91	104		36	145
O3954-20	WC-21	BM041373.D	2-Fluorophenol	150	123.44	82		10	139
			Phenol-d6	150	101.35	68		10	134
			Nitrobenzene-d5	100	91.20	91		49	133
			2-Fluorobiphenyl	100	93.10	93		52	132
			2,4,6-Tribromophenol	150	140.09	93		32	145
			Terphenyl-d14	100	104.36	104		36	145
O3955-02	WC-22	BM041372.D	2-Fluorophenol	150	127.80	85		10	139
			Phenol-d6	150	111.92	75		10	134
			Nitrobenzene-d5	100	92.44	92		49	133
			2-Fluorobiphenyl	100	89.95	90		52	132
			2,4,6-Tribromophenol	150	154.21	103		32	145
			Terphenyl-d14	100	127.20	127		36	145
O3955-17	WC-27	BM041369.D	2-Fluorophenol	150	116.05	77		10	139
			Phenol-d6	150	101.79	68		10	134
			Nitrobenzene-d5	100	81.99	82		49	133
			2-Fluorobiphenyl	100	83.60	84		52	132
			2,4,6-Tribromophenol	150	131.68	88		32	145
			Terphenyl-d14	100	107.03	107		36	145
O3955-20	WC-28	BM041370.D	2-Fluorophenol	150	125.55	84		10	139
			Phenol-d6	150	105.81	71		10	134
			Nitrobenzene-d5	100	92.39	92		49	133
			2-Fluorobiphenyl	100	94.25	94		52	132
			2,4,6-Tribromophenol	150	150.38	100		32	145
			Terphenyl-d14	100	104.47	104		36	145

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM081023

Lab Code: CHEM

SAS No.: BM081023 SDG NO.: BM081023

Lab File ID: BM041353.D

DFTPP Injection Date: 08/10/2023

Instrument ID: BNA_M

DFTPP Injection Time: 07:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.4
68	Less than 2.0% of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	40.3
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	44.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	92.6
443	15.0 - 24.0% of mass 442	17.9 (19.3) 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	BM041354.D	08/10/2023	09:19
PB154720BS	PB154720BS	BM041355.D	08/10/2023	09:56
PB154720BSD	PB154720BSD	BM041356.D	08/10/2023	10:33
PB154720BL	PB154720BL	BM041357.D	08/10/2023	11:10
MANHOLE	O3937-01	BM041358.D	08/10/2023	11:55



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM081023Lab Code: CHEMSAS No.: BM081023 SDG NO.: BM081023Lab File ID: BM041359.DDFTPP Injection Date: 08/10/2023Instrument ID: BNA_MDFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.7
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.4
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	7
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	91
443	15.0 - 24.0% of mass 442	17.6 (19.3) 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	BM041360.D	08/10/2023	13:20
PB154742BL	PB154742BL	BM041361.D	08/10/2023	13:58
WC-15	O3954-01	BM041362.D	08/10/2023	14:40
WC-16	O3954-04	BM041363.D	08/10/2023	15:17
WC-27	O3955-16	BM041364.D	08/10/2023	15:55
WC-28	O3955-19	BM041365.D	08/10/2023	16:32
WC-18	O3954-10	BM041366.D	08/10/2023	17:10
WC-25	O3955-10	BM041367.D	08/10/2023	17:47
WC-22	O3955-01	BM041368.D	08/10/2023	18:25
WC-27	O3955-17	BM041369.D	08/10/2023	19:02
WC-28	O3955-20	BM041370.D	08/10/2023	19:39
WC-20	O3954-17	BM041371.D	08/10/2023	20:16
WC-22	O3955-02	BM041372.D	08/10/2023	20:54
WC-21	O3954-20	BM041373.D	08/10/2023	21:31
B-PP22	O3956-01	BM041374.D	08/10/2023	22:08
OK-1-080923	O3952-01	BM041375.D	08/10/2023	22:45
WC-19	O3954-13	BM041376.D	08/10/2023	23:21