

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG012424 SAS No.: BG012424 SDG No.: BG012424

Instrument ID: BNA_G Calibration Date/Time: 1/24/2024 1:13:28

Lab File ID: BG060413.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	0.490	0.384		-21.633	
Pyridine	1.567	1.407		-10.211	
2-Fluorophenol	1.216	1.102		-9.375	
Benzaldehyde	1.034	0.885		-14.41	
Aniline	1.800	1.793		-0.389	
Phenol-d6	1.801	1.779		-1.222	
Phenol	1.805	1.785		-1.108	20.0
bis(2-Chloroethyl)ether	1.471	1.365		-7.206	
2-Chlorophenol	1.205	1.221		1.328	
1,2-Dichlorobenzene	1.578	1.531		-2.978	
1,3-Dichlorobenzene	1.513	1.444		-4.56	
1,4-Dichlorobenzene	1.535	1.524		-0.717	20.0
Benzyl Alcohol	1.166	1.234		5.832	
2-Methylphenol	1.240	1.283		3.468	
2,2-oxybis(1-Chloropropane)	1.785	1.728		-3.193	
Acetophenone	0.550	0.537		-2.364	
3+4-Methylphenols	1.672	1.770		5.861	
n-Nitroso-di-n-propylamine	1.246	1.244	0.050	-0.161	
Nitrobenzene-d5	0.424	0.423		-0.236	
Hexachloroethane	0.538	0.535		-0.558	
Nitrobenzene	0.439	0.415		-5.467	
Isophorone	0.851	0.800		-5.993	
2-Nitrophenol	0.161	0.176		9.317	20.0
2,4-Dimethylphenol	0.213	0.214		0.469	
bis(2-Chloroethoxy)methane	0.520	0.477		-8.269	
2,4-Dichlorophenol	0.346	0.368		6.358	20.0
1,2,4-Trichlorobenzene	0.430	0.424		-1.395	
Benzoic acid	0.154	0.193		25.325	
Naphthalene	1.048	1.042		-0.573	
4-Chloroaniline	0.404	0.409		1.238	
Hexachlorobutadiene	0.280	0.268		-4.286	20.0
Caprolactam	0.111	0.119		7.207	
4-Chloro-3-methylphenol	0.351	0.373		6.268	20.0
2-Methylnaphthalene	0.778	0.766		-1.542	
Hexachlorocyclopentadiene	0.236	0.216	0.050	-8.475	
2,4,6-Trichlorophenol	0.452	0.468		3.54	20.0
2-Fluorobiphenyl	1.439	1.442		0.208	
2,4,5-Trichlorophenol	0.499	0.534		7.014	
1,1-Biphenyl	1.510	1.460		-3.311	
2-Chloronaphthalene	1.293	1.250		-3.326	
2-Nitroaniline	0.322	0.362		12.422	

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 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	1.528	1.560		2.094	
Acenaphthylene	1.781	1.830		2.751	
2,6-Dinitrotoluene	0.326	0.369		13.19	
3-Nitroaniline	0.297	0.338		13.805	
Acenaphthene	1.109	1.123		1.262	20.0
2,4-Dinitrophenol	0.155	0.200	0.050	29.032	
4-Nitrophenol	0.220	0.274	0.050	24.545	
Dibenzofuran	1.851	1.887		1.945	
2,4-Dinitrotoluene	0.447	0.518		15.884	
Diethylphthalate	1.467	1.565		6.68	
4-Chlorophenyl-phenylether	0.845	0.858		1.538	
Fluorene	1.533	1.572		2.544	
4-Nitroaniline	0.316	0.377		19.304	
4,6-Dinitro-2-methylphenol	0.111	0.126		13.514	
n-Nitrosodiphenylamine	0.531	0.531		0.0	20.0
Azobenzene	1.484	1.461		-1.55	
2,4,6-Tribromophenol	0.294	0.330		12.245	
4-Bromophenyl-phenylether	0.220	0.219		-0.455	
Hexachlorobenzene	0.260	0.259		-0.385	
Atrazine	0.200	0.194		-3.0	
Pentachlorophenol	0.140	0.170		21.429	20.0
Phenanthrene	0.967	0.983		1.655	
Anthracene	0.965	0.983		1.865	
Carbazole	0.910	0.947		4.066	
Di-n-butylphthalate	0.936	1.025		9.509	
Fluoranthene	1.161	1.183		1.895	20.0
Benzidine	0.435	0.455		4.598	
Pyrene	1.277	1.302		1.958	
Terphenyl-d14	0.938	0.897		-4.371	
Butylbenzylphthalate	0.439	0.506		15.262	
3,3-Dichlorobenzidine	0.474	0.480		1.266	
Benzo (a) anthracene	1.238	1.269		2.504	
Chrysene	1.218	1.202		-1.314	
Bis (2-ethylhexyl) phthalate	0.664	0.750		12.952	
Di-n-octyl phthalate	1.076	1.233		14.591	20.0
Benzo (b) fluoranthene	1.182	1.167		-1.269	
Benzo (k) fluoranthene	1.166	1.163		-0.257	
Benzo (a) pyrene	1.067	1.065		-0.187	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.376		-1.078	
Dibenzo (a,h) anthracene	1.136	1.138		0.176	
Benzo (g,h,i) perylene	1.164	1.149		-1.289	



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Instrument ID: BNA_G Calibration Date/Time: 1/24/2024 1:13:28

Lab File ID: BG060413.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	0.710	0.666		-6.197	
1,4-Dioxane	0.555	0.578		4.144	20.0
2,3,4,6-Tetrachlorophenol	0.423	0.479		13.239	
1-Methylnaphthalene	0.781	0.758		-2.945	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BL	SDG No.:	BG012424
Lab Sample ID:	PB158578BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060414.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

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

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BL	SDG No.:	BG012424
Lab Sample ID:	PB158578BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060414.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

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	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	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	76.8	U	76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BL	SDG No.:	BG012424
Lab Sample ID:	PB158578BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060414.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

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	83.6	U	83.6	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	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	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	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	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	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	155.9		18-112		104	SPK: -150
13127-88-3	Phenol-d6	139.282		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	90.582		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	79.824		20-109		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	141.086		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	87.06		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	212691	7.931				
1146-65-2	Naphthalene-d8	910183	10.733				
15067-26-2	Acenaphthene-d10	736968	14.564				
1517-22-2	Phenanthrene-d10	2050519	17.314				
1719-03-5	Chrysene-d12	1870299	21.574				
1520-96-3	Perylene-d12	2031858	24.74				



Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BL	SDG No.:	BG012424
Lab Sample ID:	PB158578BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060414.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000646-31-1	Tetracosane	110	J			23.031	
000629-94-7	Heneicosane	120	J			23.818	
007225-64-1	Heptadecane, 9-octyl-	190	J			25.851	
000629-59-4	Tetradecane	200	J			27.179	
001560-97-0	Dodecane, 2-methyl-	150	J			28.783	

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BS	SDG No.:	BG012424
Lab Sample ID:	PB158578BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060415.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	990		77.3	270	330	ug/Kg
110-86-1	Pyridine	720		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	350		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1600		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1300		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.2	130	170	ug/Kg
78-59-1	Isophorone	1200		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1700		210	270	330	ug/Kg
91-20-3	Naphthalene	1300		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	800		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		84	130	170	ug/Kg
105-60-2	Caprolactam	1600		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BS	SDG No.:	BG012424
Lab Sample ID:	PB158578BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060415.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1200		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1200		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.3	130	170	ug/Kg
Total PAH	Total PAH	22100		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.4	130	170	ug/Kg
86-73-7	Fluorene	1300		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1200		98.8	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1300		92.7	130	170	ug/Kg
120-12-7	Anthracene	1300		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1200		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BS	SDG No.:	BG012424
Lab Sample ID:	PB158578BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060415.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	570		190	270	330	ug/Kg
129-00-0	Pyrene	1300		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.9	130	170	ug/Kg
218-01-9	Chrysene	1300		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	800		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	123.292		18-112		82	SPK: -150
13127-88-3	Phenol-d6	128.371		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	72.771		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	68.044		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.634		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	80.224		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	208358	7.93				
1146-65-2	Naphthalene-d8	945490	10.732				
15067-26-2	Acenaphthene-d10	742825	14.569				
1517-22-2	Phenanthrene-d10	1990625	17.319				
1719-03-5	Chrysene-d12	1699962	21.578				
1520-96-3	Perylene-d12	1708560	24.745				



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Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	PB158578BS	SDG No.:	BG012424
Lab Sample ID:	PB158578BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060415.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

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

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BL	SDG No.:	BG012424
Lab Sample ID:	PB158598BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060416.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

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

Report of Analysis

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BL	SDG No.:	BG012424
Lab Sample ID:	PB158598BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060416.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

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:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BL	SDG No.:	BG012424
Lab Sample ID:	PB158598BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060416.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	146.497		18-112		98	SPK: -150
13127-88-3	Phenol-d6	143.41		15-107		96	SPK: -150
4165-60-0	Nitrobenzene-d5	91.461		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	79.058		20-109		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	140.516		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	82.653		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	209460	7.931				
1146-65-2	Naphthalene-d8	912865	10.733				
15067-26-2	Acenaphthene-d10	752856	14.564				
1517-22-2	Phenanthrene-d10	2101637	17.314				
1719-03-5	Chrysene-d12	1923606	21.573				
1520-96-3	Perylene-d12	2052969	24.74				



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Report of Analysis

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BL	SDG No.:	BG012424
Lab Sample ID:	PB158598BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BG060416.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000112-95-8	Eicosane	100	J			23.031	
055045-09-5	Tridecane, 7-propyl-	120	J			23.818	
054833-23-7	Eicosane, 10-methyl-	190	J			25.851	
055124-79-3	Heptadecane, 9-hexyl-	210	J			27.179	
000593-49-7	Heptacosane	160	J			28.771	
000629-59-4	Tetradecane	150	J			30.71	

Report of Analysis

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BS	SDG No.:	BG012424
Lab Sample ID:	PB158598BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060417.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		77.2	270	330	ug/Kg
110-86-1	Pyridine	730		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	350		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1600		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1300		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1300		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	810		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1700		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BS	SDG No.:	BG012424
Lab Sample ID:	PB158598BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060417.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1200		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1200		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	22100		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3600	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		90.3	130	170	ug/Kg
86-73-7	Fluorene	1400		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1200		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1300		92.6	130	170	ug/Kg
120-12-7	Anthracene	1300		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1200		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BS	SDG No.:	BG012424
Lab Sample ID:	PB158598BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060417.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	570		190	270	330	ug/Kg
129-00-0	Pyrene	1300		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1300		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	820		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127.119		18-112		85	SPK: -150
13127-88-3	Phenol-d6	132.663		15-107		88	SPK: -150
4165-60-0	Nitrobenzene-d5	75.28		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	69.9		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	130.997		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	80.138		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197544	7.929				
1146-65-2	Naphthalene-d8	895372	10.732				
15067-26-2	Acenaphthene-d10	713504	14.568				
1517-22-2	Phenanthrene-d10	1943480	17.318				
1719-03-5	Chrysene-d12	1697999	21.578				
1520-96-3	Perylene-d12	1713297	24.739				



Report of Analysis

Client:		Date Collected:	1/24/2024 12:00:00 AM
Project:		Date Received:	1/24/2024 12:00:00 AM
Client Sample ID:	PB158598BS	SDG No.:	BG012424
Lab Sample ID:	PB158598BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060417.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

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

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1	SDG No.:	BG012424
Lab Sample ID:	P1233-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060418.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.3	U	54.3	190	230	ug/Kg
110-86-1	Pyridine	50.9	U	50.9	91.4	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	82.3	U	82.3	91.4	120	ug/Kg
108-95-2	Phenol	52.3	U	52.3	91.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	63.1	U	63.1	91.4	120	ug/Kg
95-57-8	2-Chlorophenol	50.6	U	50.6	91.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.4	U	57.4	91.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.2	U	62.2	91.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.9	U	57.9	91.4	120	ug/Kg
100-51-6	Benzyl Alcohol	69.5	U	69.5	190	230	ug/Kg
95-48-7	2-Methylphenol	80.2	U	80.2	91.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	73.8	U	73.8	91.4	120	ug/Kg
98-86-2	Acetophenone	61	U	61	91.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	75.9	U	75.9	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.5	U	41.5	56.2	56.2	ug/Kg
67-72-1	Hexachloroethane	51.7	U	51.7	91.4	120	ug/Kg
98-95-3	Nitrobenzene	52.9	U	52.9	91.4	120	ug/Kg
78-59-1	Isophorone	47.9	U	47.9	91.4	120	ug/Kg
88-75-5	2-Nitrophenol	66.9	U	66.9	91.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	70	U	70	91.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	78.7	U	78.7	91.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.9	U	54.9	91.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.5	U	54.5	91.4	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57.2	U	57.2	91.4	120	ug/Kg
106-47-8	4-Chloroaniline	73.8	U	73.8	91.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.1	U	59.1	91.4	120	ug/Kg
105-60-2	Caprolactam	82.3	U	82.3	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	58	U	58	91.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	66.7	U	66.7	91.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1	SDG No.:	BG012424
Lab Sample ID:	P1233-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060418.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

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	54.2	U	54.2	91.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.8	U	61.8	91.4	120	ug/Kg
92-52-4	1,1-Biphenyl	64.2	U	64.2	91.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.5	U	59.5	91.4	120	ug/Kg
88-74-4	2-Nitroaniline	69.8	U	69.8	91.4	120	ug/Kg
131-11-3	Dimethylphthalate	62.5	U	62.5	91.4	120	ug/Kg
208-96-8	Acenaphthylene	62.2	U	62.2	91.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.3	U	63.3	91.4	120	ug/Kg
99-09-2	3-Nitroaniline	65.7	U	65.7	91.4	120	ug/Kg
83-32-9	Acenaphthene	56.5	U	56.5	91.4	120	ug/Kg
Total PAH	Total PAH	1010.3	U	1010.3	91.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.2	U	80.2	190	230	ug/Kg
132-64-9	Dibenzofuran	54.1	U	54.1	91.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	70.2	U	70.2	91.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	33.5	U	133.5	91.4	240	ug/Kg
84-66-2	Diethylphthalate	60.4	U	60.4	91.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.6	U	63.6	91.4	120	ug/Kg
86-73-7	Fluorene	59.6	U	59.6	91.4	120	ug/Kg
100-01-6	4-Nitroaniline	73.1	U	73.1	91.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	61.7	U	61.7	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	65.6	U	65.6	91.4	120	ug/Kg
103-33-3	Azobenzene	51.7	U	51.7	91.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.5	U	68.5	91.4	120	ug/Kg
118-74-1	Hexachlorobenzene	69.5	U	69.5	91.4	120	ug/Kg
1912-24-9	Atrazine	67.1	U	67.1	91.4	120	ug/Kg
87-86-5	Pentachlorophenol	78	U	78	190	230	ug/Kg
85-01-8	Phenanthrene	65.2	U	65.2	91.4	120	ug/Kg
120-12-7	Anthracene	71.7	U	71.7	91.4	120	ug/Kg
86-74-8	Carbazole	59.7	U	59.7	91.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	73.1	U	73.1	91.4	120	ug/Kg
206-44-0	Fluoranthene	66.4	U	66.4	91.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1	SDG No.:	BG012424
Lab Sample ID:	P1233-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060418.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	58.8	U	58.8	91.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	72.4	U	72.4	91.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	59	U	59	91.4	120	ug/Kg
218-01-9	Chrysene	61	U	61	91.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	80.9	U	80.9	91.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	86.5	U	86.5	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.5	U	56.5	91.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.9	U	61.9	91.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	66.3	U	66.3	91.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	75.2	U	75.2	91.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.8	U	67.8	91.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65	U	65	91.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.9	U	62.9	91.4	120	ug/Kg
123-91-1	1,4-Dioxane	82.3	U	82.3	91.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.3	U	58.3	91.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	63.4	U	63.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.561		18-112		62	SPK: -150
13127-88-3	Phenol-d6	79.472		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	51.121		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	49.691		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.318		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	58.72		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164454	7.926				
1146-65-2	Naphthalene-d8	667267	10.728				
15067-26-2	Acenaphthene-d10	547333	14.565				
1517-22-2	Phenanthrene-d10	1528269	17.309				
1719-03-5	Chrysene-d12	1421022	21.568				
1520-96-3	Perylene-d12	1594298	24.735				



Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1	SDG No.:	BG012424
Lab Sample ID:	P1233-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060418.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000406-04-6	Pentadecafluorooctanoic acid, hexa	65.4	J			21.216	

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MS	SDG No.:	BG012424
Lab Sample ID:	P1233-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
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
BG060419.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.4	190	230	ug/Kg
110-86-1	Pyridine	960		51	91.5	120	ug/Kg
100-52-7	Benzaldehyde	780		100	190	230	ug/Kg
62-53-3	Aniline	640		82.3	91.5	120	ug/Kg
108-95-2	Phenol	1200		52.4	91.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		63.2	91.5	120	ug/Kg
95-57-8	2-Chlorophenol	1200		50.7	91.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.5	91.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		62.3	91.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		58	91.5	120	ug/Kg
100-51-6	Benzyl Alcohol	1300		69.5	190	230	ug/Kg
95-48-7	2-Methylphenol	1200		80.2	91.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		73.9	91.5	120	ug/Kg
98-86-2	Acetophenone	1000		61	91.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	1300		76	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		41.5	56.3	56.3	ug/Kg
67-72-1	Hexachloroethane	1100		51.8	91.5	120	ug/Kg
98-95-3	Nitrobenzene	940		52.9	91.5	120	ug/Kg
78-59-1	Isophorone	990		47.9	91.5	120	ug/Kg
88-75-5	2-Nitrophenol	1200		66.9	91.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		70.1	91.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		78.8	91.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		55	91.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		54.5	91.5	120	ug/Kg
65-85-0	Benzoic acid	1000		150	190	230	ug/Kg
91-20-3	Naphthalene	1000		57.3	91.5	120	ug/Kg
106-47-8	4-Chloroaniline	450		73.9	91.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	960		59.1	91.5	120	ug/Kg
105-60-2	Caprolactam	1400		82.3	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		58.1	91.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		66.8	91.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MS	SDG No.:	BG012424
Lab Sample ID:	P1233-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060419.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2400	E	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		54.3	91.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		61.9	91.5	120	ug/Kg
92-52-4	1,1-Biphenyl	990		64.3	91.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	970		59.5	91.5	120	ug/Kg
88-74-4	2-Nitroaniline	1200		69.9	91.5	120	ug/Kg
131-11-3	Dimethylphthalate	1100		62.6	91.5	120	ug/Kg
208-96-8	Acenaphthylene	1200		62.2	91.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		63.3	91.5	120	ug/Kg
99-09-2	3-Nitroaniline	640		65.7	91.5	120	ug/Kg
83-32-9	Acenaphthene	1000		56.5	91.5	120	ug/Kg
Total PAH	Total PAH	17250		1011.3	91.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	2700	E	80.2	190	230	ug/Kg
132-64-9	Dibenzofuran	1100		54.1	91.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		133.6	91.5	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		70.3	91.5	120	ug/Kg
84-66-2	Diethylphthalate	1100		60.5	91.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		63.6	91.5	120	ug/Kg
86-73-7	Fluorene	1100		59.7	91.5	120	ug/Kg
100-01-6	4-Nitroaniline	1200		73.2	91.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		61.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		65.7	91.5	120	ug/Kg
103-33-3	Azobenzene	1100		51.7	91.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		68.6	91.5	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		69.5	91.5	120	ug/Kg
1912-24-9	Atrazine	1200		67.1	91.5	120	ug/Kg
87-86-5	Pentachlorophenol	2300	E	78.1	190	230	ug/Kg
85-01-8	Phenanthrene	1100		65.2	91.5	120	ug/Kg
120-12-7	Anthracene	1100		71.8	91.5	120	ug/Kg
86-74-8	Carbazole	1100		59.8	91.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		73.2	91.5	120	ug/Kg
206-44-0	Fluoranthene	1000		66.4	91.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MS	SDG No.:	BG012424
Lab Sample ID:	P1233-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
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
BG060419.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		140	190	230	ug/Kg
129-00-0	Pyrene	1100		58.9	91.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		72.5	91.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610		110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1100		59	91.5	120	ug/Kg
218-01-9	Chrysene	1100		61.1	91.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		80.9	91.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		86.6	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		56.5	91.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		62	91.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		66.4	91.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		75.3	91.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		67.9	91.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	950		65.1	91.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	970		62.9	91.5	120	ug/Kg
123-91-1	1,4-Dioxane	980		82.3	91.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		58.3	91.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		63.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.806		18-112		67	SPK: -150
13127-88-3	Phenol-d6	96.168		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	52.923		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	52.524		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.684		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	65.533		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150013	7.924				
1146-65-2	Naphthalene-d8	698342	10.732				
15067-26-2	Acenaphthene-d10	584255	14.563				
1517-22-2	Phenanthrene-d10	1537087	17.313				
1719-03-5	Chrysene-d12	1362743	21.578				
1520-96-3	Perylene-d12	1548681	24.733				



Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MS	SDG No.:	BG012424
Lab Sample ID:	P1233-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060419.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

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

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MSD	SDG No.:	BG012424
Lab Sample ID:	P1233-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060420.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.4	190	230	ug/Kg
110-86-1	Pyridine	940		50.9	91.5	120	ug/Kg
100-52-7	Benzaldehyde	900		100	190	230	ug/Kg
62-53-3	Aniline	680		82.3	91.5	120	ug/Kg
108-95-2	Phenol	1300		52.3	91.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		63.2	91.5	120	ug/Kg
95-57-8	2-Chlorophenol	1200		50.7	91.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		57.5	91.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		62.3	91.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58	91.5	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		69.5	190	230	ug/Kg
95-48-7	2-Methylphenol	1100		80.2	91.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		73.9	91.5	120	ug/Kg
98-86-2	Acetophenone	1000		61	91.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		76	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		41.5	56.3	56.3	ug/Kg
67-72-1	Hexachloroethane	1000		51.8	91.5	120	ug/Kg
98-95-3	Nitrobenzene	940		52.9	91.5	120	ug/Kg
78-59-1	Isophorone	970		47.9	91.5	120	ug/Kg
88-75-5	2-Nitrophenol	1200		66.9	91.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		70.1	91.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		78.8	91.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		54.9	91.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		54.5	91.5	120	ug/Kg
65-85-0	Benzoic acid	1100		150	190	230	ug/Kg
91-20-3	Naphthalene	1000		57.3	91.5	120	ug/Kg
106-47-8	4-Chloroaniline	440		73.9	91.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	980		59.1	91.5	120	ug/Kg
105-60-2	Caprolactam	1400		82.3	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		58	91.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		66.8	91.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MSD	SDG No.:	BG012424
Lab Sample ID:	P1233-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060420.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2300	E	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		54.2	91.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		61.8	91.5	120	ug/Kg
92-52-4	1,1-Biphenyl	970		64.2	91.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	940		59.5	91.5	120	ug/Kg
88-74-4	2-Nitroaniline	1200		69.9	91.5	120	ug/Kg
131-11-3	Dimethylphthalate	1100		62.5	91.5	120	ug/Kg
208-96-8	Acenaphthylene	1100		62.2	91.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		63.3	91.5	120	ug/Kg
99-09-2	3-Nitroaniline	610		65.7	91.5	120	ug/Kg
83-32-9	Acenaphthene	1000		56.5	91.5	120	ug/Kg
Total PAH	Total PAH	16870		1011.2	91.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	2900	E	80.2	190	230	ug/Kg
132-64-9	Dibenzofuran	1100		54.1	91.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		70.3	91.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		133.6	91.5	240	ug/Kg
84-66-2	Diethylphthalate	1100		60.4	91.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		63.6	91.5	120	ug/Kg
86-73-7	Fluorene	1100		59.7	91.5	120	ug/Kg
100-01-6	4-Nitroaniline	1200		73.2	91.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		61.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		65.6	91.5	120	ug/Kg
103-33-3	Azobenzene	1000		51.7	91.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		68.5	91.5	120	ug/Kg
118-74-1	Hexachlorobenzene	990		69.5	91.5	120	ug/Kg
1912-24-9	Atrazine	1200		67.1	91.5	120	ug/Kg
87-86-5	Pentachlorophenol	2400	E	78.1	190	230	ug/Kg
85-01-8	Phenanthrene	1100		65.2	91.5	120	ug/Kg
120-12-7	Anthracene	1100		71.8	91.5	120	ug/Kg
86-74-8	Carbazole	1100		59.7	91.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		73.2	91.5	120	ug/Kg
206-44-0	Fluoranthene	1000		66.4	91.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MSD	SDG No.:	BG012424
Lab Sample ID:	P1233-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060420.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		140	190	230	ug/Kg
129-00-0	Pyrene	1000		58.9	91.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		72.5	91.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	600		110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1100		59	91.5	120	ug/Kg
218-01-9	Chrysene	1000		61.1	91.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		80.9	91.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		86.5	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		56.5	91.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		62	91.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		66.3	91.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		75.3	91.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		67.9	91.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		65.1	91.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		62.9	91.5	120	ug/Kg
123-91-1	1,4-Dioxane	960		82.3	91.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		58.3	91.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		63.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.001		18-112		69	SPK: -150
13127-88-3	Phenol-d6	107.345		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	53.929		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	52.063		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	104.874		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	63.255		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158981	7.925				
1146-65-2	Naphthalene-d8	674912	10.728				
15067-26-2	Acenaphthene-d10	553761	14.565				
1517-22-2	Phenanthrene-d10	1519442	17.314				
1719-03-5	Chrysene-d12	1397288	21.574				
1520-96-3	Perylene-d12	1583316	24.735				



Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	69-TP-1MSD	SDG No.:	BG012424
Lab Sample ID:	P1233-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060420.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

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

Client:		Date Collected:	1/22/2024 12:00:00 AM
Project:		Date Received:	1/22/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BG012424
Lab Sample ID:	P1220-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060421.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.1	U	53.1	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.4	U	50.4	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	1/22/2024 12:00:00 AM
Project:		Date Received:	1/22/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BG012424
Lab Sample ID:	P1220-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060421.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.5	U	861.5	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.9	U	113.9	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.4	U	62.4	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.2	U	61.2	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.4	U	62.4	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	1/22/2024 12:00:00 AM
Project:		Date Received:	1/22/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BG012424
Lab Sample ID:	P1220-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060421.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.9	U	57.9	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.507		18-112		71	SPK: -150
13127-88-3	Phenol-d6	91.931		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	57.083		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	57.266		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.369		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	73.563		14-112		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136835	7.926				
1146-65-2	Naphthalene-d8	576995	10.729				
15067-26-2	Acenaphthene-d10	484041	14.566				
1517-22-2	Phenanthrene-d10	1441455	17.31				
1719-03-5	Chrysene-d12	1335406	21.569				
1520-96-3	Perylene-d12	1539163	24.736				



Report of Analysis

Client:		Date Collected:	1/22/2024 12:00:00 AM
Project:		Date Received:	1/22/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BG012424
Lab Sample ID:	P1220-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060421.D	1	1/23/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158578

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

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	293	SDG No.:	BG012424
Lab Sample ID:	P1234-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG060422.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.3	U	55.3	190	240	ug/Kg
110-86-1	Pyridine	51.8	U	51.8	93	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	240	ug/Kg
62-53-3	Aniline	83.7	U	83.7	93	120	ug/Kg
108-95-2	Phenol	53.2	U	53.2	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	64.2	U	64.2	93	120	ug/Kg
95-57-8	2-Chlorophenol	51.5	U	51.5	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.4	U	58.4	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.3	U	63.3	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59	U	59	93	120	ug/Kg
100-51-6	Benzyl Alcohol	70.7	U	70.7	190	240	ug/Kg
95-48-7	2-Methylphenol	81.6	U	81.6	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	75.1	U	75.1	93	120	ug/Kg
98-86-2	Acetophenone	62	U	62	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	77.3	U	77.3	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.2	U	42.2	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	52.7	U	52.7	93	120	ug/Kg
98-95-3	Nitrobenzene	53.8	U	53.8	93	120	ug/Kg
78-59-1	Isophorone	48.7	U	48.7	93	120	ug/Kg
88-75-5	2-Nitrophenol	68	U	68	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	71.3	U	71.3	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	80.1	U	80.1	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.9	U	55.9	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.4	U	55.4	93	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	240	ug/Kg
91-20-3	Naphthalene	58.2	U	58.2	93	120	ug/Kg
106-47-8	4-Chloroaniline	75.1	U	75.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.1	U	60.1	93	120	ug/Kg
105-60-2	Caprolactam	83.7	U	83.7	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59	U	59	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	67.9	U	67.9	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	293	SDG No.:	BG012424
Lab Sample ID:	P1234-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG060422.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.2	U	55.2	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.9	U	62.9	93	120	ug/Kg
92-52-4	1,1-Biphenyl	65.3	U	65.3	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.5	U	60.5	93	120	ug/Kg
88-74-4	2-Nitroaniline	71	U	71	93	120	ug/Kg
131-11-3	Dimethylphthalate	63.6	U	63.6	93	120	ug/Kg
208-96-8	Acenaphthylene	63.2	U	63.2	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	64.4	U	64.4	93	120	ug/Kg
99-09-2	3-Nitroaniline	66.8	U	66.8	93	120	ug/Kg
83-32-9	Acenaphthene	57.4	U	57.4	93	120	ug/Kg
Total PAH	Total PAH	1027.9	U	1027.9	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	240	ug/Kg
100-02-7	4-Nitrophenol	81.6	U	81.6	190	240	ug/Kg
132-64-9	Dibenzofuran	55	U	55	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	35.9	U	135.9	93	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	71.5	U	71.5	93	120	ug/Kg
84-66-2	Diethylphthalate	61.5	U	61.5	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	64.7	U	64.7	93	120	ug/Kg
86-73-7	Fluorene	60.7	U	60.7	93	120	ug/Kg
100-01-6	4-Nitroaniline	74.4	U	74.4	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62.8	U	62.8	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	66.7	U	66.7	93	120	ug/Kg
103-33-3	Azobenzene	52.6	U	52.6	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.7	U	69.7	93	120	ug/Kg
118-74-1	Hexachlorobenzene	70.7	U	70.7	93	120	ug/Kg
1912-24-9	Atrazine	68.3	U	68.3	93	120	ug/Kg
87-86-5	Pentachlorophenol	79.4	U	79.4	190	240	ug/Kg
85-01-8	Phenanthrene	120		66.3	93	120	ug/Kg
120-12-7	Anthracene	73	U	73	93	120	ug/Kg
86-74-8	Carbazole	60.7	U	60.7	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	74.4	U	74.4	93	120	ug/Kg
206-44-0	Fluoranthene	120		67.5	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	293	SDG No.:	BG012424
Lab Sample ID:	P1234-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG060422.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	240	ug/Kg
129-00-0	Pyrene	91.9	J	59.9	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	73.7	U	73.7	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	60	U	60	93	120	ug/Kg
218-01-9	Chrysene	62.1	U	62.1	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	82.3	U	82.3	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	88	U	88	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.4	U	57.4	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	63	U	63	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	67.5	U	67.5	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	76.5	U	76.5	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	69	U	69	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66.2	U	66.2	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64	U	64	93	120	ug/Kg
123-91-1	1,4-Dioxane	83.7	U	83.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59.3	U	59.3	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	64.5	U	64.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.864		18-112		83	SPK: -150
13127-88-3	Phenol-d6	103.842		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	61.238		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	57.114		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	117.205		10-110		78	SPK: -150
1718-51-0	Terphenyl-d14	64.888		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154566	7.93				
1146-65-2	Naphthalene-d8	671479	10.726				
15067-26-2	Acenaphthene-d10	564932	14.563				
1517-22-2	Phenanthrene-d10	1561862	17.313				
1719-03-5	Chrysene-d12	1423767	21.572				
1520-96-3	Perylene-d12	1604071	24.739				

Report of Analysis

Client:		Date Collected:	1/23/2024 12:00:00 AM
Project:		Date Received:	1/23/2024 12:00:00 AM
Client Sample ID:	293	SDG No.:	BG012424
Lab Sample ID:	P1234-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG060422.D	1	1/24/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158598

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
056554-78-0	7-Heptadecene, 1-chloro-	59.9	J			17.683	
000142-91-6	Isopropyl palmitate	59.6	J			18.623	
000506-52-5	1-Hexacosanol	97.8	J			21.214	
1000323-74-2	Terephthalic acid, di(4-octyl) est	74.9	J			22.718	
007683-64-9	Supraene	89.2	J			23.212	

Hit Summary Sheet

SW-846

SDG No.: BG012424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 69-TP-1								
P1233-01	69-TP-1	Solid	Pentadecafluorooctanoic acid, hex *	65.400	J			
Total Tics :						65.40		
Total Concentration:						65.40		
Client ID : 293								
P1234-01	293	Solid	1-Hexacosanol	*	97.800	J		
P1234-01	293	Solid	7-Heptadecene, 1-chloro-	*	59.900	J		
P1234-01	293	Solid	Isopropyl palmitate	*	59.600	J		
P1234-01	293	Solid	Supraene	*	89.200	J		
P1234-01	293	Solid	Terephthalic acid, di(4-octyl) est	*	74.900	J		
Total Tics :						381.40		
P1234-01	293	Solid	Fluoranthene		120.000		67.5	120 ug/Kg
P1234-01	293	Solid	Phenanthrene		120.000		66.3	120 ug/Kg
P1234-01	293	Solid	Pyrene		91.900	J	59.9	120 ug/Kg
Total Svoc :						331.90		
Total Concentration:						713.30		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BG010824

SAS No.: BG010824

SDG No.: BG010824

Instrument ID:

Calibration Date(s): 1/8/2024 1:

Calibration Time(s): 15:52

LAB FILE ID:		RRF2.5 = BG060283.D			RRF005 = BG060284.D		RRF010 = BG060285.D	
		RRF020 = BG060286.D			RRF040 = BG060287.D		RRF050 = BG060288.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.401	0.419	0.525	0.558	0.505	0.490	11.8
Pyridine		1.320	1.283	1.635	1.877	1.610	1.567	13.1
2-Fluorophenol		0.928	1.346	1.305	1.143	1.261	1.216	11.7
Benzaldehyde		1.220	1.195	1.000	1.126	0.912	1.034	14.0
Aniline		1.743	1.764	1.651	1.944	1.701	1.800	6.3
Phenol-d6		1.740	1.825	1.711	2.103	1.696	1.801	7.9
Phenol		1.683	1.817	1.714	2.105	1.718	1.805	8.1
bis(2-Chloroethyl)ether		1.497	1.447	1.382	1.496	1.415	1.471	4.0
2-Chlorophenol		1.166	1.244	1.131	1.238	1.157	1.205	4.3
1,2-Dichlorobenzene		1.593	1.561	1.599	1.759	1.523	1.578	5.6
1,3-Dichlorobenzene		1.377	1.558	1.591	1.526	1.527	1.513	4.5
1,4-Dichlorobenzene		1.575	1.479	1.584	1.517	1.519	1.535	2.4
Benzyl Alcohol		0.981	1.128	1.150	1.255	1.210	1.166	8.0
2-Methylphenol		1.105	1.155	1.253	1.438	1.264	1.240	8.5
2,2-oxybis(1-Chloropropane)		1.742	1.757	1.808	1.998	1.724	1.785	5.6
Acetophenone		0.480	0.564	0.500	0.555	0.573	0.550	7.9
3+4-Methylphenols		1.483	1.626	1.521	1.958	1.726	1.672	9.4
n-Nitroso-di-n-propylamine	1.155	1.195	1.215	1.128	1.496	1.275	1.246	9.1
Nitrobenzene-d5		0.407	0.414	0.377	0.425	0.442	0.424	6.4
Hexachloroethane		0.587	0.517	0.479	0.601	0.529	0.538	7.8
Nitrobenzene		0.427	0.421	0.389	0.445	0.456	0.439	6.7
Isophorone		0.877	0.870	0.760	0.858	0.861	0.851	4.8
2-Nitrophenol		0.139	0.144	0.138	0.165	0.176	0.161	13.0
2,4-Dimethylphenol		0.197	0.206	0.185	0.219	0.223	0.213	8.6
bis(2-Chloroethoxy)methane		0.525	0.522	0.471	0.518	0.533	0.520	4.3
2,4-Dichlorophenol		0.314	0.330	0.309	0.353	0.364	0.346	8.1
1,2,4-Trichlorobenzene		0.434	0.429	0.386	0.431	0.436	0.430	4.8
Benzoic acid			0.056	0.108	0.168	0.188	0.154	39.2
Naphthalene		1.079	1.090	1.044	1.030	1.033	1.048	2.6
4-Chloroaniline		0.356	0.423	0.392	0.398	0.411	0.404	6.3
Hexachlorobutadiene		0.278	0.305	0.268	0.261	0.273	0.280	5.3
Caprolactam		0.105	0.118	0.107	0.110	0.111	0.111	4.2
4-Chloro-3-methylphenol		0.315	0.359	0.346	0.351	0.355	0.351	5.0
2-Methylnaphthalene		0.770	0.849	0.763	0.751	0.765	0.778	4.2
Hexachlorocyclopentadiene		0.179	0.191	0.249	0.244	0.250	0.236	15.2
2,4,6-Trichlorophenol		0.441	0.400	0.487	0.445	0.444	0.452	6.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG010824

SAS No.: BG010824

SDG No.: BG010824

Instrument ID: _____

Calibration Date(s): 1/8/2024 1: _____

Calibration Time(s): 15:52 _____

LAB FILE ID:		RRF2.5 = BG060283.D		RRF005 = BG060284.D		RRF010 = BG060285.D		
		RRF020 = BG060286.D		RRF040 = BG060287.D		RRF050 = BG060288.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.776	1.558	1.707	1.346	1.288	1.439	16.9
2,4,5-Trichlorophenol		0.476	0.425	0.537	0.495	0.504	0.499	7.8
1,1-Biphenyl		1.650	1.491	1.651	1.450	1.448	1.510	6.7
2-Chloronaphthalene		1.395	1.253	1.394	1.252	1.239	1.293	5.8
2-Nitroaniline		0.280	0.267	0.335	0.329	0.336	0.322	10.8
Dimethylphthalate		1.567	1.550	1.710	1.497	1.477	1.528	6.4
Acenaphthylene		1.826	1.804	1.895	1.761	1.753	1.781	3.9
2,6-Dinitrotoluene		0.272	0.293	0.327	0.338	0.345	0.326	9.8
3-Nitroaniline		0.258	0.264	0.295	0.304	0.312	0.297	9.1
Acenaphthene		1.160	1.099	1.110	1.092	1.086	1.109	2.3
2,4-Dinitrophenol			0.073	0.124	0.165	0.177	0.155	31.1
4-Nitrophenol		0.153	0.182	0.217	0.243	0.243	0.220	17.9
Dibenzofuran		2.025	1.940	1.944	1.815	1.783	1.851	6.8
2,4-Dinitrotoluene		0.368	0.399	0.457	0.458	0.468	0.447	10.4
Diethylphthalate		1.541	1.507	1.527	1.454	1.434	1.467	4.2
4-Chlorophenyl-phenylether		0.970	0.848	0.837	0.806	0.810	0.845	6.9
Fluorene		1.747	1.548	1.573	1.493	1.468	1.533	7.1
4-Nitroaniline		0.292	0.297	0.306	0.323	0.329	0.316	5.6
4,6-Dinitro-2-methylphenol			0.082	0.099	0.113	0.121	0.111	15.5
n-Nitrosodiphenylamine		0.511	0.535	0.546	0.534	0.539	0.531	2.5
Azobenzene		1.670	1.468	1.507	1.457	1.449	1.484	6.2
2,4,6-Tribromophenol		0.302	0.275	0.292	0.293	0.293	0.294	3.3
4-Bromophenyl-phenylether		0.212	0.213	0.219	0.220	0.222	0.220	2.5
Hexachlorobenzene		0.256	0.255	0.267	0.257	0.260	0.260	1.8
Atrazine		0.194	0.208	0.214	0.198	0.201	0.200	4.2
Pentachlorophenol		0.096	0.111	0.136	0.151	0.160	0.140	19.5
Phenanthrene		1.044	1.052	1.059	0.960	0.936	0.967	9.5
Anthracene		1.031	1.032	1.059	0.965	0.931	0.965	8.6
Carbazole		0.950	0.977	0.992	0.916	0.887	0.910	7.8
Di-n-butylphthalate		0.978	1.040	1.054	0.955	0.907	0.936	11.0
Fluoranthene		1.328	1.328	1.345	1.131	1.077	1.161	15.1
Benzidine		0.352	0.430	0.440	0.446	0.464	0.435	8.8
Pyrene		1.447	1.455	1.452	1.222	1.183	1.277	13.6
Terphenyl-d14		1.190	1.163	1.075	0.782	0.725	0.938	24.5
Butylbenzylphthalate		0.381	0.418	0.443	0.448	0.459	0.439	7.0
3,3-Dichlorobenzidine		0.429	0.466	0.486	0.484	0.485	0.474	4.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG010824

SAS No.: BG010824

SDG No.: BG010824

Instrument ID: _____

Calibration Date(s): 1/8/2024 1: _____

Calibration Time(s): 15:52 _____

LAB FILE ID:		RRF2.5 = BG060283.D			RRF005 = BG060284.D		RRF010 = BG060285.D	
		RRF020 = BG060286.D			RRF040 = BG060287.D		RRF050 = BG060288.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.372	1.377	1.343	1.213	1.166	1.238	10.4
Chrysene		1.357	1.338	1.329	1.181	1.145	1.218	10.2
Bis(2-ethylhexyl)phthalate		0.602	0.645	0.695	0.679	0.681	0.664	5.0
Di-n-octyl phthalate		1.011	1.063	1.128	1.108	1.099	1.076	4.1
Benzo(b)fluoranthene		1.186	1.205	1.201	1.196	1.174	1.182	2.3
Benzo(k)fluoranthene		1.168	1.175	1.257	1.186	1.156	1.166	5.0
Benzo(a)pyrene		1.050	1.063	1.092	1.066	1.072	1.067	1.7
Indeno(1,2,3-cd)pyrene		1.307	1.350	1.390	1.384	1.422	1.391	3.5
Dibenzo(a,h)anthracene		1.080	1.087	1.136	1.149	1.159	1.136	3.4
Benzo(g,h,i)perylene		1.133	1.136	1.161	1.160	1.171	1.164	2.1
1,2,4,5-Tetrachlorobenzene		0.759	0.672	0.764	0.680	0.678	0.710	5.4
1,4-Dioxane		0.494	0.476	0.605	0.635	0.553	0.555	10.2
2,3,4,6-Tetrachlorophenol		0.395	0.390	0.419	0.424	0.428	0.423	5.9
1-Methylnaphthalene		0.781	0.881	0.778	0.745	0.746	0.781	5.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG012424 SAS No.: BG012424 SDG NO.: BG012424

EPA Sample No.: SSTDICCC040

Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BG060287.D

Time Analyzed: 14:10

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	229160	7.93	1.0852e+00	10.73	787379	14.57
UPPER LIMIT	458320	8.43	2170400	11.232	1574758	15.069
LOWER LIMIT	114580	7.43	542600	10.232	393689.5	14.069
EPA SAMPLE NO.						
01 PB158578BL	212691	7.93	910183	10.73	736968	14.56
02 PB158578BS	208358	7.93	945490	10.73	742825	14.57
03 PB158598BL	209460	7.93	912865	10.73	752856	14.56
04 PB158598BS	197544	7.93	895372	10.73	713504	14.57
05 69-TP-1	164454	7.93	667267	10.73	547333	14.57
06 69-TP-1MS	150013	7.92	698342	10.73	584255	14.56
07 69-TP-1MSD	158981	7.93	674912	10.73	553761	14.57
08 VNJ-206	136835	7.93	576995	10.73	484041	14.57
09 293	154566	7.93	671479	10.73	564932	14.56

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BG012424 SAS No.: BG012424 SDG NO.: BG012424EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 24 2024 12:00AMLab File ID: BG060413.D Time Analyzed: 14:10Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	190167	7.929	827559	10.74	611489	14.57
UPPER LIMIT	380334	8.429	1655118	11.238	1222978	15.068
LOWER LIMIT	95083.5	7.429	413779.5	10.238	305744.5	14.068
EPA SAMPLE NO.						
01 PB158578BL	212691	7.93	910183	10.73	736968	14.56
02 PB158578BS	208358	7.93	945490	10.73	742825	14.57
03 PB158598BL	209460	7.93	912865	10.73	752856	14.56
04 PB158598BS	197544	7.93	895372	10.73	713504	14.57
05 69-TP-1	164454	7.93	667267	10.73	547333	14.57
06 69-TP-1MS	150013	7.92	698342	10.73	584255	14.56
07 69-TP-1MSD	158981	7.93	674912	10.73	553761	14.57
08 VNJ-206	136835	7.93	576995	10.73	484041	14.57
09 293	154566	7.93	671479	10.73	564932	14.56

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.: BG012424 SAS No.: BG012424 SDG NO.: BG012424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BG060287.D Time Analyzed: 14:10

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.8996e+00	17.313	1.8262e+0	21.578	2.04987e+0	24.739
UPPER LIMIT	3799200	17.813	3652400	22.078	4099740	25.239
LOWER LIMIT	949800	16.813	913100	21.078	1024935	24.239
EPA SAMPLE NO.						
01 PB158578BL	2.05052	17.31	1.8703e+0	21.57	2.03186e+	24.74
02 PB158578BS	1.99063	17.32	1.69996e+	21.58	1.70856e+	24.75
03 PB158598BL	2.10164	17.31	1.92361e+	21.57	2.05297e+	24.74
04 PB158598BS	1.94348	17.32	1.698e+00	21.58	1.7133e+0	24.74
05 69-TP-1	1.52827	17.31	1.42102e+	21.57	1.5943e+0	24.74
06 69-TP-1MS	1.53709	17.31	1.36274e+	21.58	1.54868e+	24.73
07 69-TP-1MSD	1.51944	17.31	1.39729e+	21.57	1.58332e+	24.74
08 VNJ-206	1.44146	17.31	1.33541e+	21.57	1.53916e+	24.74
09 293	1.56186	17.31	1.42377e+	21.57	1.60407e+	24.74

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.: BG012424 SAS No.: BG012424 SDG NO.: BG012424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BG060413.D Time Analyzed: 14:10

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.58103e+0	17.318	1.46457e+	21.578	1.65875e+0	24.745
UPPER LIMIT	3162060	17.818	2929140	22.078	3317500	25.245
LOWER LIMIT	790515	16.818	732285	21.078	829375	24.245
EPA SAMPLE NO.						
01 PB158578BL	2.05052	17.31	1.8703e+0	21.57	2.03186e+	24.74
02 PB158578BS	1.99063	17.32	1.69996e+	21.58	1.70856e+	24.75
03 PB158598BL	2.10164	17.31	1.92361e+	21.57	2.05297e+	24.74
04 PB158598BS	1.94348	17.32	1.698e+00	21.58	1.7133e+0	24.74
05 69-TP-1	1.52827	17.31	1.42102e+	21.57	1.5943e+0	24.74
06 69-TP-1MS	1.53709	17.31	1.36274e+	21.58	1.54868e+	24.73
07 69-TP-1MSD	1.51944	17.31	1.39729e+	21.57	1.58332e+	24.74
08 VNJ-206	1.44146	17.31	1.33541e+	21.57	1.53916e+	24.74
09 293	1.56186	17.31	1.42377e+	21.57	1.60407e+	24.74

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.: BG012424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB158578BS	n-Nitrosodimethylamine	1700	990	ug/Kg	58				57	103	
	Pyridine	1700	720	ug/Kg	42				28	98	
	Benzaldehyde	1700	350	ug/Kg	21				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1200	ug/Kg	71				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1200	ug/Kg	71				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				67	119	
	bis(2-Chloroethoxy)methane	1700	1200	ug/Kg	71				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1200	ug/Kg	71				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	800	ug/Kg	47				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1200	ug/Kg	71				57	103	
	2-Chloronaphthalene	1700	1200	ug/Kg	71				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	22100	ug/Kg	81				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



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

SDG No.: BG012424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB158578BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98		
	Fluorene	1700	1300	ug/Kg	76				61	101		
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				56	107		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99		
	Hexachlorobenzene	1700	1200	ug/Kg	71				64	98		
	Atrazine	1700	2000	ug/Kg	118		*		67	113		
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105		
	Phenanthrene	1700	1300	ug/Kg	76				59	103		
	Anthracene	1700	1300	ug/Kg	76				61	105		
	Carbazole	1700	1300	ug/Kg	76				61	99		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104		
	Fluoranthene	1700	1200	ug/Kg	71				57	107		
	Benzidine	3300	570	ug/Kg	17				10	98		
	Pyrene	1700	1300	ug/Kg	76				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1300	ug/Kg	76				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1200	ug/Kg	71				53	101		
	1,4-Dioxane	1700	800	ug/Kg	47		*		50	96		
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108		
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG012424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB158598BS	n-Nitrosodimethylamine	1700	1000	ug/Kg	59				57	103	
	Pyridine	1700	730	ug/Kg	43				28	98	
	Benzaldehyde	1700	350	ug/Kg	21				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	2100	ug/Kg	124		*		67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1200	ug/Kg	71				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	810	ug/Kg	48				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1200	ug/Kg	71				57	103	
	2-Chloronaphthalene	1700	1200	ug/Kg	71				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	22100	ug/Kg	81				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	3600	ug/Kg	109				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



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

SDG No.: BG012424

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB158598BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99	
	Hexachlorobenzene	1700	1200	ug/Kg	71				64	98	
	Atrazine	1700	2000	ug/Kg	118		*		67	113	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1300	ug/Kg	76				59	103	
	Anthracene	1700	1300	ug/Kg	76				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1200	ug/Kg	71				57	107	
	Benzidine	3300	570	ug/Kg	17				10	98	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1300	ug/Kg	76				60	102	
	Chrysene	1700	1300	ug/Kg	76				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1200	ug/Kg	71				53	101	
	1,4-Dioxane	1700	820	ug/Kg	48		*		50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158578BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG012424SAS No.: BG012424 SDG NO.: BG012424Lab File ID: BG060414.DLab Sample ID: PB158578BLInstrument ID: BNA_GDate Extracted: 01/23/2024Matrix: (soil/water) SolidDate Analyzed: 01/24/2024Level: (low/med) LOWTime Analyzed: 14:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158578BS	PB158578BS	BG060415.D	01/24/2024
VNJ-206	P1220-01	BG060421.D	01/24/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158598BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG012424

SAS No.: BG012424 SDG NO.: BG012424

Lab File ID: BG060416.D

Lab Sample ID: PB158598BL

Instrument ID: BNA_G

Date Extracted: 01/24/2024

Matrix: (soil/water) Solid

Date Analyzed: 01/24/2024

Level: (low/med) LOW

Time Analyzed: 15:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158598BS	PB158598BS	BG060417.D	01/24/2024
69-TP-1	P1233-01	BG060418.D	01/24/2024
69-TP-1MS	P1233-01MS	BG060419.D	01/24/2024
69-TP-1MSD	P1233-01MSD	BG060420.D	01/24/2024
293	P1234-01	BG060422.D	01/24/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG012424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1233-01MS	Client Sample ID:	69-TP-1MS					DataFile:	BG060419.D		
n-Nitrosodimethylamine	1200		1100	ug/Kg	92				66	124	
Pyridine	1200		960	ug/Kg	80				45	119	
Benzaldehyde	1200		780	ug/Kg	65				26	163	
Aniline	1200		640	ug/Kg	53				10	88	
Phenol	1200		1200	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83				74	116	
2-Chlorophenol	1200		1200	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1200		1000	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1200		1000	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1200		1100	ug/Kg	92				63	104	
Benzyl Alcohol	1200		1300	ug/Kg	108				47	126	
2-Methylphenol	1200		1200	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92				52	115	
Acetophenone	1200		1000	ug/Kg	83				75	111	
3+4-Methylphenols	1200		1300	ug/Kg	108				53	132	
N-Nitroso-di-n-propylamine	1200		1100	ug/Kg	92				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		940	ug/Kg	78				70	119	
Isophorone	1200		990	ug/Kg	83				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		1400	ug/Kg	117				83	144	
bis(2-Chloroethoxy)methane	1200		970	ug/Kg	81				68	112	
2,4-Dichlorophenol	1200		1200	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1200		990	ug/Kg	83				57	103	
Benzoic acid	1200		1000	ug/Kg	83				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		450	ug/Kg	38				10	100	
Hexachlorobutadiene	1200		960	ug/Kg	80				66	114	
Caprolactam	1200		1400	ug/Kg	117				51	134	
4-Chloro-3-methylphenol	1200		1300	ug/Kg	108				57	132	
2-Methylnaphthalene	1200		1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2300		2400	ug/Kg	104				10	175	
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
1,1-Biphenyl	1200		990	ug/Kg	83				75	113	
2-Chloronaphthalene	1200		970	ug/Kg	81				67	118	
2-Nitroaniline	1200		1200	ug/Kg	100				69	127	
Dimethylphthalate	1200		1100	ug/Kg	92				70	113	
Acenaphthylene	1200		1200	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1200		1200	ug/Kg	100				70	125	
3-Nitroaniline	1200		640	ug/Kg	53				20	111	
Acenaphthene	1200		1000	ug/Kg	83				70	121	
Total PAH	19200		17250	ug/Kg	90				70	121	
2,4-Dinitrophenol	2300		2000	ug/Kg	87				16	160	
4-Nitrophenol	2300		2700	ug/Kg	117				45	133	
Dibenzofuran	1200		1100	ug/Kg	92				72	110	
2,4-Dinitrotoluene	1200		1200	ug/Kg	100				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG012424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2400	ug/Kg	100				55	128	
Diethylphthalate	1200		1100	ug/Kg	92				70	112	
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92				71	108	
Fluorene	1200		1100	ug/Kg	92				68	116	
4-Nitroaniline	1200		1200	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		1100	ug/Kg	92				73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1000	ug/Kg	83				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2300		2300	ug/Kg	100				47	128	
Phenanthrene	1200		1100	ug/Kg	92				72	113	
Anthracene	1200		1100	ug/Kg	92				62	124	
Carbazole	1200		1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200		1000	ug/Kg	83				59	125	
Benzidine	2300		1100	ug/Kg	48				10	119	
Pyrene	1200		1100	ug/Kg	92				52	128	
Butylbenzylphthalate	1200		1200	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1200		610	ug/Kg	51				10	164	
Benzo(a)anthracene	1200		1100	ug/Kg	92				71	114	
Chrysene	1200		1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200		1200	ug/Kg	100				66	127	
Di-n-octyl phthalate	1200		1200	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1200		1100	ug/Kg	92				67	121	
Benzo(k)fluoranthene	1200		1100	ug/Kg	92				74	114	
Benzo(a)pyrene	1200		1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200		1100	ug/Kg	92				61	125	
Dibenz(a,h)anthracene	1200		1100	ug/Kg	92				67	130	
Benzo(g,h,i)perylene	1200		950	ug/Kg	79				53	140	
1,2,4,5-Tetrachlorobenzene	1200		970	ug/Kg	81				69	124	
1,4-Dioxane	1200		980	ug/Kg	82				46	112	
2,3,4,6-Tetrachlorophenol	1200		1300	ug/Kg	108				56	133	
1-Methylnaphthalene	1200		1000	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG012424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1233-01MSD	Client Sample ID:	69-TP-1MSD					DataFile:	BG060420.D		
n-Nitrosodimethylamine	1200		1100	ug/Kg	92		0		66	124	20
Pyridine	1200		940	ug/Kg	78		3		45	119	20
Benzaldehyde	1200		900	ug/Kg	75		14		26	163	20
Aniline	1200		680	ug/Kg	57		7		10	88	20
Phenol	1200		1300	ug/Kg	108		8		67	126	20
bis(2-Chloroethyl)ether	1200		980	ug/Kg	82		1		74	116	20
2-Chlorophenol	1200		1200	ug/Kg	100		0		61	138	20
1,2-Dichlorobenzene	1200		980	ug/Kg	82		1		61	105	20
1,3-Dichlorobenzene	1200		1000	ug/Kg	83		0		62	101	20
1,4-Dichlorobenzene	1200		1000	ug/Kg	83		10		63	104	20
Benzyl Alcohol	1200		1200	ug/Kg	100		8		47	126	20
2-Methylphenol	1200		1100	ug/Kg	92		8		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1000	ug/Kg	83		10		52	115	20
Acetophenone	1200		1000	ug/Kg	83		0		75	111	20
3+4-Methylphenols	1200		1100	ug/Kg	92		16		53	132	20
N-Nitroso-di-n-propylamine	1200		990	ug/Kg	83		10		59	119	20
Hexachloroethane	1200		1000	ug/Kg	83		10		65	117	20
Nitrobenzene	1200		940	ug/Kg	78		0		70	119	20
Isophorone	1200		970	ug/Kg	81		2		76	122	20
2-Nitrophenol	1200		1200	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1200		1300	ug/Kg	108		8		83	144	20
bis(2-Chloroethoxy)methane	1200		950	ug/Kg	79		3		68	112	20
2,4-Dichlorophenol	1200		1200	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1200		980	ug/Kg	82		1		57	103	20
Benzoic acid	1200		1100	ug/Kg	92		10		50	104	20
Naphthalene	1200		1000	ug/Kg	83		0		72	110	20
4-Chloroaniline	1200		440	ug/Kg	37		3		10	100	20
Hexachlorobutadiene	1200		980	ug/Kg	82		2		66	114	20
Caprolactam	1200		1400	ug/Kg	117		0		51	134	20
4-Chloro-3-methylphenol	1200		1300	ug/Kg	108		0		57	132	20
2-Methylnaphthalene	1200		1100	ug/Kg	92		0		59	123	20
Hexachlorocyclopentadiene	2300		2300	ug/Kg	100		4		10	175	20
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92		8		72	117	20
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92		8		72	117	20
1,1-Biphenyl	1200		970	ug/Kg	81		2		75	113	20
2-Chloronaphthalene	1200		940	ug/Kg	78		4		67	118	20
2-Nitroaniline	1200		1200	ug/Kg	100		0		69	127	20
Dimethylphthalate	1200		1100	ug/Kg	92		0		70	113	20
Acenaphthylene	1200		1100	ug/Kg	92		8		79	118	20
2,6-Dinitrotoluene	1200		1100	ug/Kg	92		8		70	125	20
3-Nitroaniline	1200		610	ug/Kg	51		4		20	111	20
Acenaphthene	1200		1000	ug/Kg	83		0		70	121	20
Total PAH	19200		16870	ug/Kg	88		2		70	121	20
2,4-Dinitrophenol	2300		2000	ug/Kg	87		0		16	160	20
4-Nitrophenol	2300		2900	ug/Kg	126		7		45	133	20
Dibenzofuran	1200		1100	ug/Kg	92		0		72	110	20
2,4-Dinitrotoluene	1200		1200	ug/Kg	100		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG012424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2300	ug/Kg	96		4		55	128	20
Diethylphthalate	1200		1100	ug/Kg	92		0		70	112	20
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92		0		71	108	20
Fluorene	1200		1100	ug/Kg	92		0		68	116	20
4-Nitroaniline	1200		1200	ug/Kg	100		0		55	120	20
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92		0		32	145	20
N-Nitrosodiphenylamine	1200		1000	ug/Kg	83		10		73	118	20
Azobenzene	1200		1000	ug/Kg	83		10		73	110	20
4-Bromophenyl-phenylether	1200		1000	ug/Kg	83		10		65	121	20
Hexachlorobenzene	1200		990	ug/Kg	83		0		67	118	20
Atrazine	1200		1200	ug/Kg	100		0		79	127	20
Pentachlorophenol	2300		2400	ug/Kg	104		4		47	128	20
Phenanthrene	1200		1100	ug/Kg	92		0		72	113	20
Anthracene	1200		1100	ug/Kg	92		0		62	124	20
Carbazole	1200		1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200		1100	ug/Kg	92		0		69	118	20
Fluoranthene	1200		1000	ug/Kg	83		0		59	125	20
Benzidine	2300		1100	ug/Kg	48		0		10	119	20
Pyrene	1200		1000	ug/Kg	83		10		52	128	20
Butylbenzylphthalate	1200		1200	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1200		600	ug/Kg	50		2		10	164	20
Benzo(a)anthracene	1200		1100	ug/Kg	92		0		71	114	20
Chrysene	1200		1000	ug/Kg	83		10		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1100	ug/Kg	92		8		66	127	20
Di-n-octyl phthalate	1200		1200	ug/Kg	100		0		71	126	20
Benzo(b)fluoranthene	1200		1000	ug/Kg	83		10		67	121	20
Benzo(k)fluoranthene	1200		1100	ug/Kg	92		0		74	114	20
Benzo(a)pyrene	1200		1100	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1100	ug/Kg	92		0		61	125	20
Dibenz(a,h)anthracene	1200		1100	ug/Kg	92		0		67	130	20
Benzo(g,h,i)perylene	1200		970	ug/Kg	81		3		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		950	ug/Kg	79		3		69	124	20
1,4-Dioxane	1200		960	ug/Kg	80		2		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1300	ug/Kg	108		0		56	133	20
1-Methylnaphthalene	1200		1000	ug/Kg	83		0		70	130	20



Surrogate Summary
SW-846

SDG No.: BG012424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1220-01	VNJ-206	BG060421.D	2-Fluorophenol	150	106.51	71		18	112
			Phenol-d6	150	91.93	61		15	107
			Nitrobenzene-d5	100	57.08	57		18	107
			2-Fluorobiphenyl	100	57.27	57		20	109
			2,4,6-Tribromophenol	150	90.37	60		10	110
			Terphenyl-d14	100	73.56	74		14	112
PB158578BL	PB158578BL	BG060414.D	2-Fluorophenol	150	155.90	104		18	112
			Phenol-d6	150	139.28	93		15	107
			Nitrobenzene-d5	100	90.58	91		18	107
			2-Fluorobiphenyl	100	79.82	80		20	109
			2,4,6-Tribromophenol	150	141.09	94		10	110
			Terphenyl-d14	100	87.06	87		14	112
PB158578BS	PB158578BS	BG060415.D	2-Fluorophenol	150	123.29	82		18	112
			Phenol-d6	150	128.37	86		15	107
			Nitrobenzene-d5	100	72.77	73		18	107
			2-Fluorobiphenyl	100	68.04	68		20	109
			2,4,6-Tribromophenol	150	129.63	86		10	110
			Terphenyl-d14	100	80.22	80		14	112



Surrogate Summary

SW-846

SDG No.: BG012424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1233-01	69-TP-1	BG060418.D	2-Fluorophenol	150	93.56	62		18	112
			Phenol-d6	150	79.47	53		15	107
			Nitrobenzene-d5	100	51.12	51		18	107
			2-Fluorobiphenyl	100	49.69	50		20	109
			2,4,6-Tribromophenol	150	103.32	69		10	110
			Terphenyl-d14	100	58.72	59		14	112
P1233-01MS	69-TP-1MS	BG060419.D	2-Fluorophenol	150	100.81	67		18	112
			Phenol-d6	150	96.17	64		15	107
			Nitrobenzene-d5	100	52.92	53		18	107
			2-Fluorobiphenyl	100	52.52	53		20	109
			2,4,6-Tribromophenol	150	103.68	69		10	110
			Terphenyl-d14	100	65.53	66		14	112
P1233-01MSD	69-TP-1MSD	BG060420.D	2-Fluorophenol	150	104.00	69		18	112
			Phenol-d6	150	107.35	72		15	107
			Nitrobenzene-d5	100	53.93	54		18	107
			2-Fluorobiphenyl	100	52.06	52		20	109
			2,4,6-Tribromophenol	150	104.87	70		10	110
			Terphenyl-d14	100	63.26	63		14	112
P1234-01	293	BG060422.D	2-Fluorophenol	150	124.86	83		18	112
			Phenol-d6	150	103.84	69		15	107
			Nitrobenzene-d5	100	61.24	61		18	107
			2-Fluorobiphenyl	100	57.11	57		20	109
			2,4,6-Tribromophenol	150	117.21	78		10	110
			Terphenyl-d14	100	64.89	65		14	112
PB158598BL	PB158598BL	BG060416.D	2-Fluorophenol	150	146.50	98		18	112
			Phenol-d6	150	143.41	96		15	107
			Nitrobenzene-d5	100	91.46	91		18	107
			2-Fluorobiphenyl	100	79.06	79		20	109
			2,4,6-Tribromophenol	150	140.52	94		10	110
			Terphenyl-d14	100	82.65	83		14	112
PB158598BS	PB158598BS	BG060417.D	2-Fluorophenol	150	127.12	85		18	112
			Phenol-d6	150	132.66	88		15	107
			Nitrobenzene-d5	100	75.28	75		18	107
			2-Fluorobiphenyl	100	69.90	70		20	109
			2,4,6-Tribromophenol	150	131.00	87		10	110
			Terphenyl-d14	100	80.14	80		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG012424

Lab Code: CHEM

SAS No.: BG012424 SDG NO.: BG012424

Lab File ID: BG060412.D

DFTPP Injection Date: 01/24/2024

Instrument ID: BNA_G

DFTPP Injection Time: 12:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.1
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	30.8
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	83.4
443	15.0 - 24.0% of mass 442	16.4 (19.6) 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	BG060413.D	01/24/2024	13:28
PB158578BL	PB158578BL	BG060414.D	01/24/2024	14:10
PB158578BS	PB158578BS	BG060415.D	01/24/2024	14:50
PB158598BL	PB158598BL	BG060416.D	01/24/2024	15:31
PB158598BS	PB158598BS	BG060417.D	01/24/2024	16:11
69-TP-1	P1233-01	BG060418.D	01/24/2024	16:56
69-TP-1MS	P1233-01MS	BG060419.D	01/24/2024	17:37
69-TP-1MSD	P1233-01MSD	BG060420.D	01/24/2024	18:18
VNJ-206	P1220-01	BG060421.D	01/24/2024	18:58
293	P1234-01	BG060422.D	01/24/2024	19:39