

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032624 SAS No.: BM032624 SDG No.: BM032624

Instrument ID: BNA_M Calibration Date/Time: 3/26/2024 11:02

Lab File ID: BM044764.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	0.649	0.679		4.622	
Pyridine	1.619	1.377		-14.947	
2-Fluorophenol	1.393	1.268		-8.973	
Benzaldehyde	0.939	0.868		-7.561	
Aniline	2.122	1.973		-7.022	
Phenol-d6	1.792	1.660		-7.366	
Phenol	1.790	1.648		-7.933	20.0
bis(2-Chloroethyl)ether	1.461	1.327		-9.172	
2-Chlorophenol	1.387	1.339		-3.461	
1,2-Dichlorobenzene	1.434	1.348		-5.997	
1,3-Dichlorobenzene	1.492	1.393		-6.635	
1,4-Dichlorobenzene	1.504	1.418		-5.718	20.0
Benzyl Alcohol	1.178	1.212		2.886	
2-Methylphenol	1.221	1.195		-2.129	
2,2-oxybis(1-Chloropropane)	2.026	1.956		-3.455	
Acetophenone	0.525	0.500		-4.762	
3+4-Methylphenols	1.647	1.639		-0.486	
n-Nitroso-di-n-propylamine	1.094	1.077	0.050	-1.554	
Nitrobenzene-d5	0.415	0.400		-3.614	
Hexachloroethane	0.556	0.552		-0.719	
Nitrobenzene	0.410	0.391		-4.634	
Isophorone	0.716	0.715		-0.14	
2-Nitrophenol	0.177	0.192		8.475	20.0
2,4-Dimethylphenol	0.311	0.303		-2.572	
bis(2-Chloroethoxy)methane	0.476	0.443		-6.933	
2,4-Dichlorophenol	0.297	0.303		2.02	20.0
1,2,4-Trichlorobenzene	0.316	0.309		-2.215	
Benzoic acid	0.231	0.219		-5.195	
Naphthalene	1.098	1.030		-6.193	
4-Chloroaniline	0.460	0.453		-1.522	
Hexachlorobutadiene	0.176	0.183		3.977	20.0
Caprolactam	0.096	0.101		5.208	
4-Chloro-3-methylphenol	0.326	0.330		1.227	20.0
2-Methylnaphthalene	0.745	0.718		-3.624	
Hexachlorocyclopentadiene	0.323	0.271	0.050	-16.099	
2,4,6-Trichlorophenol	0.383	0.402		4.961	20.0
2-Fluorobiphenyl	1.452	1.404		-3.306	
2,4,5-Trichlorophenol	0.454	0.467		2.863	
1,1-Biphenyl	1.564	1.475		-5.691	
2-Chloronaphthalene	1.157	1.114		-3.717	
2-Nitroaniline	0.392	0.403		2.806	



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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032624 SAS No.: BM032624 SDG No.: BM032624

Instrument ID: BNA_M Calibration Date/Time: 3/26/2024 1:11:02

Lab File ID: BM044764.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.496	1.456		-2.674	
Acenaphthylene	1.884	1.821		-3.344	
2,6-Dinitrotoluene	0.312	0.318		1.923	
3-Nitroaniline	0.365	0.362		-0.822	
Acenaphthene	1.139	1.076		-5.531	20.0
2,4-Dinitrophenol	0.180	0.149	0.050	-17.222	
4-Nitrophenol	0.300	0.261	0.050	-13.0	
Dibenzofuran	1.808	1.699		-6.029	
2,4-Dinitrotoluene	0.407	0.424		4.177	
Diethylphthalate	1.514	1.489		-1.651	
4-Chlorophenyl-phenylether	0.676	0.655		-3.107	
Fluorene	1.408	1.336		-5.114	
4-Nitroaniline	0.364	0.347		-4.67	
4,6-Dinitro-2-methylphenol	0.125	0.119		-4.8	
n-Nitrosodiphenylamine	0.623	0.609		-2.247	20.0
Azobenzene	1.565	1.448		-7.476	
2,4,6-Tribromophenol	0.221	0.233		5.43	
4-Bromophenyl-phenylether	0.207	0.209		0.966	
Hexachlorobenzene	0.220	0.225		2.273	
Atrazine	0.195	0.198		1.538	
Pentachlorophenol	0.158	0.154		-2.532	20.0
Phenanthrene	1.105	1.040		-5.882	
Anthracene	1.109	1.055		-4.869	
Carbazole	1.044	0.952		-8.812	
Di-n-butylphthalate	1.345	1.314		-2.305	
Fluoranthene	1.236	1.089		-11.893	20.0
Benzidine	0.517	0.554		7.157	
Pyrene	1.466	1.720		17.326	
Terphenyl-d14	1.143	1.350		18.11	
Butylbenzylphthalate	0.661	0.797		20.575	
3,3-Dichlorobenzidine	0.479	0.472		-1.461	
Benzo(a)anthracene	1.392	1.371		-1.509	
Chrysene	1.330	1.291		-2.932	
Bis(2-ethylhexyl)phthalate	0.995	1.088		9.347	
Di-n-octyl phthalate	1.726	1.711		-0.869	20.0
Benzo(b)fluoranthene	1.175	1.151		-2.043	
Benzo(k)fluoranthene	1.208	1.124		-6.954	
Benzo(a)pyrene	1.146	1.108		-3.316	20.0
Indeno(1,2,3-cd)pyrene	1.446	1.390		-3.873	
Dibenzo(a,h)anthracene	1.219	1.162		-4.676	
Benzo(g,h,i)perylene	1.200	1.157		-3.583	



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Instrument ID: BNA_M Calibration Date/Time: 3/26/2024 11:02
Lab File ID: BM044764.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	0.568	0.562		-1.056	
1,4-Dioxane	0.586	0.477		-18.601	20.0
2,3,4,6-Tetrachlorophenol	0.353	0.346		-1.983	
1-Methylnaphthalene	0.694	0.665		-4.179	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BL	SDG No.:	BM032624
Lab Sample ID:	PB159773BL	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
BM044765.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BL	SDG No.:	BM032624
Lab Sample ID:	PB159773BL	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
BM044765.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	69.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BL	SDG No.:	BM032624
Lab Sample ID:	PB159773BL	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
BM044765.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.033		18-112		83	SPK: -150
13127-88-3	Phenol-d6	118.774		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	80.063		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	80.11		20-109		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	141.178		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	89.153		14-112		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	226635	7.687				
1146-65-2	Naphthalene-d8	906933	10.469				
15067-26-2	Acenaphthene-d10	512596	14.339				
1517-22-2	Phenanthrene-d10	1084708	17.092				
1719-03-5	Chrysene-d12	866878	21.297				
1520-96-3	Perylene-d12	868713	23.544				

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BL	SDG No.:	BM032624
Lab Sample ID:	PB159773BL	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
BM044765.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			4.857	
000057-10-3	n-Hexadecanoic acid	270	J			18.004	
000057-11-4	Octadecanoic acid	130	J			19.292	
000110-34-9	Hexadecanoic acid, 2-methylpropyl	73	J			19.439	
013475-76-8	Docosane, 11-butyl-	87.3	J			22.886	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BS	SDG No.:	BM032624
Lab Sample ID:	PB159773BS	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
BM044766.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		86.7	270	330	ug/Kg
110-86-1	Pyridine	970		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	310	J	180	270	330	ug/Kg
62-53-3	Aniline	660		96.8	130	170	ug/Kg
108-95-2	Phenol	1700		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1600		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	630		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1800		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BS	SDG No.:	BM032624
Lab Sample ID:	PB159773BS	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
BM044766.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600		160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1300		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25300		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3500		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1300		91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BS	SDG No.:	BM032624
Lab Sample ID:	PB159773BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BM044766.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	940		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	142.906		18-112		95	SPK: -150
13127-88-3	Phenol-d6	139.405		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	88.349		18-107		88	SPK: -100
321-60-8	2-Fluorobiphenyl	87.801		20-109		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	155.87		10-110		104	SPK: -150
1718-51-0	Terphenyl-d14	90.728		14-112		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192425	7.687				
1146-65-2	Naphthalene-d8	796607	10.469				
15067-26-2	Acenaphthene-d10	448045	14.339				
1517-22-2	Phenanthrene-d10	912497	17.092				
1719-03-5	Chrysene-d12	777184	21.297				
1520-96-3	Perylene-d12	724855	23.539				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PB159773BS	SDG No.:	BM032624
Lab Sample ID:	PB159773BS	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
BM044766.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

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

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	SOIL-PILE-COMP	SDG No.:	BM032624
Lab Sample ID:	P1863-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044767.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.2	U	96.2	300	370	ug/Kg
110-86-1	Pyridine	88.5	U	88.5	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.9	U	91.9	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.7	U	92.7	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.5	U	92.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.7	U	93.7	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.3	U	95.3	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.8	U	95.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92	U	92	300	370	ug/Kg
95-48-7	2-Methylphenol	89.3	U	89.3	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.3	U	96.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.4	U	88.4	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.7	U	44.7	88.6	88.6	ug/Kg
67-72-1	Hexachloroethane	92	U	92	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.7	U	93.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.1	U	95.1	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.7	U	83.7	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.6	U	94.6	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.5	U	91.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.5	U	91.5	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.3	U	92.3	140	190	ug/Kg
105-60-2	Caprolactam	96.2	U	96.2	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.9	U	85.9	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.4	U	91.4	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	SOIL-PILE-COMP	SDG No.:	BM032624
Lab Sample ID:	P1863-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044767.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82	U	82	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.8	U	96.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.3	U	92.3	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.5	U	90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	95.8	U	95.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.2	U	92.2	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.8	U	98.8	140	190	ug/Kg
83-32-9	Acenaphthene	89.9	U	89.9	140	190	ug/Kg
Total PAH	Total PAH	2190	U	1465.2	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.5	U	93.5	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	87.7	U	187.7	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.5	U	95.5	140	190	ug/Kg
84-66-2	Diethylphthalate	88.8	U	88.8	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.8	U	94.8	140	190	ug/Kg
86-73-7	Fluorene	94.7	U	94.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	140	190	ug/Kg
103-33-3	Azobenzene	88.2	U	88.2	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.4	U	87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.2	U	94.2	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	85.7	U	85.7	300	370	ug/Kg
85-01-8	Phenanthrene	160	J	93.1	140	190	ug/Kg
120-12-7	Anthracene	93.5	U	93.5	140	190	ug/Kg
86-74-8	Carbazole	89	U	89	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.4	U	93.4	140	190	ug/Kg
206-44-0	Fluoranthene	420		90.5	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	SOIL-PILE-COMP	SDG No.:	BM032624
Lab Sample ID:	P1863-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044767.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	340		92	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	190		89.4	140	190	ug/Kg
218-01-9	Chrysene	220		88.1	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		89.9	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	200		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	86.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90	U	90	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	88.8	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.2	U	96.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.2	U	92.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.666		18-112		54	SPK: -150
13127-88-3	Phenol-d6	79.248		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	53.788		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	49.435		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.259		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	48.597		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141320	7.686				
1146-65-2	Naphthalene-d8	550476	10.463				
15067-26-2	Acenaphthene-d10	313440	14.333				
1517-22-2	Phenanthrene-d10	608520	17.092				
1719-03-5	Chrysene-d12	569662	21.291				
1520-96-3	Perylene-d12	692281	23.538				



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

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	SOIL-PILE-COMP	SDG No.:	BM032624
Lab Sample ID:	P1863-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044767.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000143-07-7	Dodecanoic acid	140	J			14.768	
1000131-14-7	4-Methyleneproline	88.6	J			15.633	
032811-40-8	(E)-4-(3-Hydroxyprop-1-en-1-yl)-2-	130	J			16.504	
000629-92-5	Nonadecane	530	J			16.933	
000057-10-3	n-Hexadecanoic acid	3600	J			18.009	
004206-58-0	trans-Sinapaldehyde	130	J			18.286	
020675-96-1	trans-Sinapyl alcohol	110	J			18.333	
000593-49-7	Heptacosane	600	J			18.727	
000057-11-4	Octadecanoic acid	4500	J			19.303	
000630-02-4	Octacosane	480	J			19.862	
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	440	J			20.721	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	190	J			21.015	
014739-72-1	Heneicosane, 11-pentyl-	500	J			21.439	
000630-06-8	Hexatriacontane	140	J			21.897	
000593-45-3	Octadecane	330	J			22.127	

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235	SDG No.:	BM032624
Lab Sample ID:	P1865-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044768.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.3	U	63.3	200	240	ug/Kg
110-86-1	Pyridine	58.2	U	58.2	94.7	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	70.6	U	70.6	94.7	120	ug/Kg
108-95-2	Phenol	60.4	U	60.4	94.7	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61	U	61	94.7	120	ug/Kg
95-57-8	2-Chlorophenol	60.9	U	60.9	94.7	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	61.7	U	61.7	94.7	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.7	U	62.7	94.7	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	63	U	63	94.7	120	ug/Kg
100-51-6	Benzyl Alcohol	60.5	U	60.5	200	240	ug/Kg
95-48-7	2-Methylphenol	58.7	U	58.7	94.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.2	U	66.2	94.7	120	ug/Kg
98-86-2	Acetophenone	63.3	U	63.3	94.7	120	ug/Kg
65794-96-9	3+4-Methylphenols	58.2	U	58.2	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.4	U	29.4	58.3	58.3	ug/Kg
67-72-1	Hexachloroethane	60.5	U	60.5	94.7	120	ug/Kg
98-95-3	Nitrobenzene	66.2	U	66.2	94.7	120	ug/Kg
78-59-1	Isophorone	61.7	U	61.7	94.7	120	ug/Kg
88-75-5	2-Nitrophenol	68.9	U	68.9	94.7	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.9	U	67.9	94.7	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.5	U	62.5	94.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	94.7	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.2	U	62.2	94.7	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	69.7	J	60.2	94.7	120	ug/Kg
106-47-8	4-Chloroaniline	60.2	U	60.2	94.7	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.7	U	60.7	94.7	120	ug/Kg
105-60-2	Caprolactam	63.3	U	63.3	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.5	U	56.5	94.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	60.1	U	60.1	94.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235	SDG No.:	BM032624
Lab Sample ID:	P1865-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044768.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	94.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53.9	U	53.9	94.7	120	ug/Kg
92-52-4	1,1-Biphenyl	63.7	U	63.7	94.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.7	U	60.7	94.7	120	ug/Kg
88-74-4	2-Nitroaniline	69.2	U	69.2	94.7	120	ug/Kg
131-11-3	Dimethylphthalate	59.5	U	59.5	94.7	120	ug/Kg
208-96-8	Acenaphthylene	320		63	94.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.6	U	60.6	94.7	120	ug/Kg
99-09-2	3-Nitroaniline	65	U	65	94.7	120	ug/Kg
83-32-9	Acenaphthene	110	J	59.1	94.7	120	ug/Kg
Total PAH	Total PAH	14279.7		965.6	94.7	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	84.5	U	84.5	200	240	ug/Kg
132-64-9	Dibenzofuran	93.6	J	61.5	94.7	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	23.4	U	123.4	94.7	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	62.8	U	62.8	94.7	120	ug/Kg
84-66-2	Diethylphthalate	58.4	U	58.4	94.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.4	U	62.4	94.7	120	ug/Kg
86-73-7	Fluorene	250		62.3	94.7	120	ug/Kg
100-01-6	4-Nitroaniline	78	U	78	94.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.3	U	85.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.5	U	59.5	94.7	120	ug/Kg
103-33-3	Azobenzene	58	U	58	94.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57.5	U	57.5	94.7	120	ug/Kg
118-74-1	Hexachlorobenzene	61.9	U	61.9	94.7	120	ug/Kg
1912-24-9	Atrazine	66.6	U	66.6	94.7	120	ug/Kg
87-86-5	Pentachlorophenol	56.3	U	56.3	200	240	ug/Kg
85-01-8	Phenanthrene	1800		61.2	94.7	120	ug/Kg
120-12-7	Anthracene	560		61.5	94.7	120	ug/Kg
86-74-8	Carbazole	110	J	58.5	94.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.4	U	61.4	94.7	120	ug/Kg
206-44-0	Fluoranthene	2700	E	59.5	94.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235	SDG No.:	BM032624
Lab Sample ID:	P1865-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044768.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	2200	E	60.5	94.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.5	U	70.5	94.7	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	71.9	U	71.9	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1300		58.8	94.7	120	ug/Kg
218-01-9	Chrysene	1100		57.9	94.7	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.3	U	66.3	94.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80.2	U	80.2	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		59.1	94.7	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	370		60.2	94.7	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		67.8	94.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	500		56.9	94.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160		59.2	94.7	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	540		58.4	94.7	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.3	U	63.3	94.7	120	ug/Kg
123-91-1	1,4-Dioxane	80.2	U	80.2	94.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.4	U	54.4	94.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	60.6	U	60.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.146		18-112		51	SPK: -150
13127-88-3	Phenol-d6	74.233		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	50.203		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	46.494		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.568		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	47.364		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	177429	7.687				
1146-65-2	Naphthalene-d8	687033	10.469				
15067-26-2	Acenaphthene-d10	396828	14.333				
1517-22-2	Phenanthrene-d10	789100	17.092				
1719-03-5	Chrysene-d12	713553	21.292				
1520-96-3	Perylene-d12	879150	23.544				

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235	SDG No.:	BM032624
Lab Sample ID:	P1865-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044768.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001430-97-3	9H-Fluorene, 2-methyl-	120	J			16.398	
000234-41-3	Naphtho[1,2-b]thiophene	140	J			16.91	
000229-87-8	Phenanthridine	86.2	J			17.28	
016587-52-3	Dibenzothiophene, 3-methyl-	87.2	J			17.674	
002531-84-2	Phenanthrene, 2-methyl-	340	J			17.968	
000613-12-7	Anthracene, 2-methyl-	890	J			18.009	
000832-69-9	Phenanthrene, 1-methyl-	200	J			18.098	
000203-64-5	4H-Cyclopenta[def]phenanthrene	700	J			18.162	
000832-64-4	Phenanthrene, 4-methyl-	230	J			18.198	
000612-94-2	Naphthalene, 2-phenyl-	220	J			18.474	
000084-65-1	9,10-Anthracenedione	130	J			18.521	
002789-88-0	di-p-Tolylacetylene	89.9	J			18.774	
003674-66-6	Phenanthrene, 2,5-dimethyl-	280	J			18.892	
010387-13-0	9,10-di(Chloromethyl)anthracene	170	J			18.956	
005737-13-3	Cyclopenta(def)phenanthrenone	180	J			19.039	
000057-11-4	Octadecanoic acid	120	J			19.292	
000238-84-6	11H-Benzo[a]fluorene	120	J			20.021	
033543-31-6	Fluoranthene, 2-methyl-	92.8	J			20.121	
000192-97-2	Benzo[e]pyrene	240	J			23.038	
000198-55-0	Perylene	690	J			23.35	

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044769.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	920	1100	ug/Kg
110-86-1	Pyridine	270	U	270	440	580	ug/Kg
100-52-7	Benzaldehyde	620	U	620	920	1100	ug/Kg
62-53-3	Aniline	330	U	330	440	580	ug/Kg
108-95-2	Phenol	280	U	280	440	580	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	440	580	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	440	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	290	U	290	440	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	440	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	440	580	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	920	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	440	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	440	580	ug/Kg
98-86-2	Acetophenone	290	U	290	440	580	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	920	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	270	270	ug/Kg
67-72-1	Hexachloroethane	280	U	280	440	580	ug/Kg
98-95-3	Nitrobenzene	310	U	310	440	580	ug/Kg
78-59-1	Isophorone	290	U	290	440	580	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	440	580	ug/Kg
105-67-9	2,4-Dimethylphenol	320	U	320	440	580	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	440	580	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	440	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	290	U	290	440	580	ug/Kg
65-85-0	Benzoic acid	800	U	800	920	1100	ug/Kg
91-20-3	Naphthalene	280	U	280	440	580	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	440	580	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	440	580	ug/Kg
105-60-2	Caprolactam	290	U	290	920	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	440	580	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044769.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	530	U	530	920	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	440	580	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	440	580	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	440	580	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	440	580	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	440	580	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	440	580	ug/Kg
208-96-8	Acenaphthylene	290	U	290	440	580	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	440	580	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	440	580	ug/Kg
83-32-9	Acenaphthene	280	U	280	440	580	ug/Kg
Total PAH	Total PAH	4500	U	4500	440	9280	ug/Kg
51-28-5	2,4-Dinitrophenol	820	U	820	920	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	920	1100	ug/Kg
132-64-9	Dibenzofuran	290	U	290	440	580	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	440	580	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	570	U	570	440	1160	ug/Kg
84-66-2	Diethylphthalate	270	U	270	440	580	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	440	580	ug/Kg
86-73-7	Fluorene	290	U	290	440	580	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	440	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	920	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	280	440	580	ug/Kg
103-33-3	Azobenzene	270	U	270	440	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	270	440	580	ug/Kg
118-74-1	Hexachlorobenzene	290	U	290	440	580	ug/Kg
1912-24-9	Atrazine	310	U	310	440	580	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	920	1100	ug/Kg
85-01-8	Phenanthrene	280	U	280	440	580	ug/Kg
120-12-7	Anthracene	290	U	290	440	580	ug/Kg
86-74-8	Carbazole	270	U	270	440	580	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	440	580	ug/Kg
206-44-0	Fluoranthene	280	U	280	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044769.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	550	U	550	920	1100	ug/Kg
129-00-0	Pyrene	280	U	280	440	580	ug/Kg
85-68-7	Butylbenzylphthalate	330	U	330	440	580	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	920	1100	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	270	440	580	ug/Kg
218-01-9	Chrysene	270	U	270	440	580	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	440	580	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	920	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	U	280	440	580	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	440	580	ug/Kg
50-32-8	Benzo(a)pyrene	320	U	320	440	580	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	440	580	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	280	440	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	440	580	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	440	580	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	440	580	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	440	580	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	580	580	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.95		18-112		45	SPK: -150
13127-88-3	Phenol-d6	64.945		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	40.855		18-107		41	SPK: -100
321-60-8	2-Fluorobiphenyl	43.675		20-109		44	SPK: -100
118-79-6	2,4,6-Tribromophenol	77.02		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	43.395		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114395	7.687				
1146-65-2	Naphthalene-d8	443996	10.469				
15067-26-2	Acenaphthene-d10	253888	14.333				
1517-22-2	Phenanthrene-d10	506894	17.092				
1719-03-5	Chrysene-d12	494056	21.292				
1520-96-3	Perylene-d12	587473	23.539				

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044769.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	3000	J			11.886	
000629-59-4	Tetradecane	1800	J			13.145	
000629-62-9	Pentadecane	2000	J			14.233	
000544-76-3	Hexadecane	1800	J			15.192	
000629-78-7	Heptadecane	2600	J			16.057	
000593-45-3	Octadecane	1700	J			16.857	
026730-12-1	Tridecane, 4-methyl-	850	J			16.904	
000629-92-5	Nonadecane	1500	J			17.598	
000112-39-0	Hexadecanoic acid, methyl ester	20200	J			17.78	
000057-10-3	n-Hexadecanoic acid	1600	J			18.004	
055045-08-4	Dodecane, 2-methyl-6-propyl-	1400	J			18.292	
002462-85-3	9,12-Octadecadienoic acid, methyl	67900	J			18.945	
056554-47-3	13-Octadecenoic acid, methyl ester	43600	J			18.974	
000112-61-8	Methyl stearate	9400	J			19.092	
000544-71-8	(9E,11E)-Octadecadienoic acid	1200	J			19.145	
035599-77-0	Tridecane, 1-iodo-	880	J			19.515	
000646-31-1	Tetracosane	820	J			20.051	
1000336-50-5	Methyl 9-eicosenoate	1000	J			20.086	
1000424-52-4	Methyl 18-methylnonadecanoate	910	J			20.198	
000929-77-1	Docosanoic acid, methyl ester	810	J			21.151	

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-205	SDG No.:	BM032624
Lab Sample ID:	P1865-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044770.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	920	1100	ug/Kg
110-86-1	Pyridine	270	U	270	440	580	ug/Kg
100-52-7	Benzaldehyde	620	U	620	920	1100	ug/Kg
62-53-3	Aniline	330	U	330	440	580	ug/Kg
108-95-2	Phenol	280	U	280	440	580	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	440	580	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	440	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	290	U	290	440	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	440	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	440	580	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	920	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	440	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	440	580	ug/Kg
98-86-2	Acetophenone	300	U	300	440	580	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	920	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	270	270	ug/Kg
67-72-1	Hexachloroethane	280	U	280	440	580	ug/Kg
98-95-3	Nitrobenzene	310	U	310	440	580	ug/Kg
78-59-1	Isophorone	290	U	290	440	580	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	440	580	ug/Kg
105-67-9	2,4-Dimethylphenol	320	U	320	440	580	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	440	580	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	440	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	290	U	290	440	580	ug/Kg
65-85-0	Benzoic acid	800	U	800	920	1100	ug/Kg
91-20-3	Naphthalene	280	U	280	440	580	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	440	580	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	440	580	ug/Kg
105-60-2	Caprolactam	290	U	290	920	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	440	580	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-205	SDG No.:	BM032624
Lab Sample ID:	P1865-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044770.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	530	U	530	920	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	440	580	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	440	580	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	440	580	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	440	580	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	440	580	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	440	580	ug/Kg
208-96-8	Acenaphthylene	290	U	290	440	580	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	440	580	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	440	580	ug/Kg
83-32-9	Acenaphthene	280	U	280	440	580	ug/Kg
Total PAH	Total PAH	4520	U	4520	440	9280	ug/Kg
51-28-5	2,4-Dinitrophenol	830	U	830	920	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	920	1100	ug/Kg
132-64-9	Dibenzofuran	290	U	290	440	580	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	670	U	570	440	1160	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	440	580	ug/Kg
84-66-2	Diethylphthalate	270	U	270	440	580	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	440	580	ug/Kg
86-73-7	Fluorene	290	U	290	440	580	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	440	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	920	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	280	440	580	ug/Kg
103-33-3	Azobenzene	270	U	270	440	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	270	440	580	ug/Kg
118-74-1	Hexachlorobenzene	290	U	290	440	580	ug/Kg
1912-24-9	Atrazine	310	U	310	440	580	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	920	1100	ug/Kg
85-01-8	Phenanthrene	760		290	440	580	ug/Kg
120-12-7	Anthracene	290	U	290	440	580	ug/Kg
86-74-8	Carbazole	270	U	270	440	580	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	440	580	ug/Kg
206-44-0	Fluoranthene	1000		280	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-205	SDG No.:	BM032624
Lab Sample ID:	P1865-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044770.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	550	U	550	920	1100	ug/Kg
129-00-0	Pyrene	850		280	440	580	ug/Kg
85-68-7	Butylbenzylphthalate	330	U	330	440	580	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	920	1100	ug/Kg
56-55-3	Benzo(a)anthracene	450	J	270	440	580	ug/Kg
218-01-9	Chrysene	430	J	270	440	580	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	440	580	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	920	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	520	J	280	440	580	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	440	580	ug/Kg
50-32-8	Benzo(a)pyrene	420	J	320	440	580	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	270	440	580	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	280	440	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	440	580	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	440	580	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	440	580	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	440	580	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	580	580	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.46		18-112		48	SPK: -150
13127-88-3	Phenol-d6	68.955		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	45.84		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	44.675		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.29		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	42.275		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134039	7.687				
1146-65-2	Naphthalene-d8	519856	10.469				
15067-26-2	Acenaphthene-d10	295141	14.333				
1517-22-2	Phenanthrene-d10	586798	17.092				
1719-03-5	Chrysene-d12	552042	21.292				
1520-96-3	Perylene-d12	651442	23.539				



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

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-205	SDG No.:	BM032624
Lab Sample ID:	P1865-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044770.D	5	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	700	J			17.998	
000203-64-5	4H-Cyclopenta[def]phenanthrene	290	J			18.162	
000057-11-4	Octadecanoic acid	270	J			19.292	

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976	SDG No.:	BM032624
Lab Sample ID:	P1864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.01 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
BM044771.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.6	U	58.6	180	220	ug/Kg
110-86-1	Pyridine	53.9	U	53.9	87.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.4	U	65.4	87.7	110	ug/Kg
108-95-2	Phenol	55.9	U	55.9	87.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.5	U	56.5	87.7	110	ug/Kg
95-57-8	2-Chlorophenol	56.3	U	56.3	87.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.1	U	57.1	87.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58	U	58	87.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.4	U	58.4	87.7	110	ug/Kg
100-51-6	Benzyl Alcohol	56	U	56	180	220	ug/Kg
95-48-7	2-Methylphenol	54.4	U	54.4	87.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.3	U	61.3	87.7	110	ug/Kg
98-86-2	Acetophenone	58.6	U	58.6	87.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.8	U	53.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.2	U	27.2	54	54	ug/Kg
67-72-1	Hexachloroethane	56	U	56	87.7	110	ug/Kg
98-95-3	Nitrobenzene	61.3	U	61.3	87.7	110	ug/Kg
78-59-1	Isophorone	57.1	U	57.1	87.7	110	ug/Kg
88-75-5	2-Nitrophenol	63.8	U	63.8	87.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	87.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.9	U	57.9	87.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.9	U	50.9	87.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.6	U	57.6	87.7	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.7	U	55.7	87.7	110	ug/Kg
106-47-8	4-Chloroaniline	55.7	U	55.7	87.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.2	U	56.2	87.7	110	ug/Kg
105-60-2	Caprolactam	58.6	U	58.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.3	U	52.3	87.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.7	U	55.7	87.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976	SDG No.:	BM032624
Lab Sample ID:	P1864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.01 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
BM044771.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.2	U	48.2	87.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.9	U	49.9	87.7	110	ug/Kg
92-52-4	1,1-Biphenyl	59	U	59	87.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.2	U	56.2	87.7	110	ug/Kg
88-74-4	2-Nitroaniline	64.1	U	64.1	87.7	110	ug/Kg
131-11-3	Dimethylphthalate	55.1	U	55.1	87.7	110	ug/Kg
208-96-8	Acenaphthylene	58.4	U	58.4	87.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.1	U	56.1	87.7	110	ug/Kg
99-09-2	3-Nitroaniline	60.2	U	60.2	87.7	110	ug/Kg
83-32-9	Acenaphthene	54.7	U	54.7	87.7	110	ug/Kg
Total PAH	Total PAH	894.1	U	894.1	87.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.3	U	78.3	180	220	ug/Kg
132-64-9	Dibenzofuran	57	U	57	87.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	114.3	U	114.3	87.7	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.2	U	58.2	87.7	110	ug/Kg
84-66-2	Diethylphthalate	54	U	54	87.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.8	U	57.8	87.7	110	ug/Kg
86-73-7	Fluorene	57.7	U	57.7	87.7	110	ug/Kg
100-01-6	4-Nitroaniline	72.2	U	72.2	87.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.9	U	78.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.1	U	55.1	87.7	110	ug/Kg
103-33-3	Azobenzene	53.7	U	53.7	87.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.2	U	53.2	87.7	110	ug/Kg
118-74-1	Hexachlorobenzene	57.4	U	57.4	87.7	110	ug/Kg
1912-24-9	Atrazine	61.7	U	61.7	87.7	110	ug/Kg
87-86-5	Pentachlorophenol	52.2	U	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	56.7	U	56.7	87.7	110	ug/Kg
120-12-7	Anthracene	57	U	57	87.7	110	ug/Kg
86-74-8	Carbazole	54.2	U	54.2	87.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.9	U	56.9	87.7	110	ug/Kg
206-44-0	Fluoranthene	55.1	U	55.1	87.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976	SDG No.:	BM032624
Lab Sample ID:	P1864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.01 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
BM044771.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	56	U	56	87.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.3	U	65.3	87.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.5	U	66.5	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.5	U	54.5	87.7	110	ug/Kg
218-01-9	Chrysene	53.6	U	53.6	87.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.4	U	61.4	87.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	74.2	U	74.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.7	U	54.7	87.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.7	U	55.7	87.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.8	U	62.8	87.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.7	U	52.7	87.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.8	U	54.8	87.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54	U	54	87.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.6	U	58.6	87.7	110	ug/Kg
123-91-1	1,4-Dioxane	74.2	U	74.2	87.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.4	U	50.4	87.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	56.1	U	56.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.886		18-112		57	SPK: -150
13127-88-3	Phenol-d6	81.859		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	56.688		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	55.749		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.894		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	55.316		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	146627	7.687				
1146-65-2	Naphthalene-d8	558339	10.469				
15067-26-2	Acenaphthene-d10	317544	14.333				
1517-22-2	Phenanthrene-d10	633463	17.092				
1719-03-5	Chrysene-d12	601395	21.292				
1520-96-3	Perylene-d12	702619	23.539				



Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976	SDG No.:	BM032624
Lab Sample ID:	P1864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.01	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
BM044771.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	240	J			17.998	
000057-11-4	Octadecanoic acid	72.7	J			19.286	
074685-30-6	5-Eicosene, (E)-	120	J			21.015	

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MS	SDG No.:	BM032624
Lab Sample ID:	P1864-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044772.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		58.5	180	220	ug/Kg
110-86-1	Pyridine	780		53.9	87.7	110	ug/Kg
100-52-7	Benzaldehyde	240		120	180	220	ug/Kg
62-53-3	Aniline	400		65.3	87.7	110	ug/Kg
108-95-2	Phenol	970		55.9	87.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	900		56.4	87.7	110	ug/Kg
95-57-8	2-Chlorophenol	1000		56.3	87.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.1	87.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58	87.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.3	87.7	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		56	180	220	ug/Kg
95-48-7	2-Methylphenol	910		54.4	87.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		61.3	87.7	110	ug/Kg
98-86-2	Acetophenone	940		58.6	87.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	930		53.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	890		27.2	54	54	ug/Kg
67-72-1	Hexachloroethane	1000		56	87.7	110	ug/Kg
98-95-3	Nitrobenzene	930		61.2	87.7	110	ug/Kg
78-59-1	Isophorone	950		57.1	87.7	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.7	87.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	780		62.9	87.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		57.9	87.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		50.9	87.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.6	87.7	110	ug/Kg
65-85-0	Benzoic acid	1000		160	180	220	ug/Kg
91-20-3	Naphthalene	940		55.7	87.7	110	ug/Kg
106-47-8	4-Chloroaniline	390		55.7	87.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		56.2	87.7	110	ug/Kg
105-60-2	Caprolactam	1100		58.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		52.3	87.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	920		55.6	87.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MS	SDG No.:	BM032624
Lab Sample ID:	P1864-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044772.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	940		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		48.2	87.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		49.9	87.7	110	ug/Kg
92-52-4	1,1-Biphenyl	940		58.9	87.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	990		56.2	87.7	110	ug/Kg
88-74-4	2-Nitroaniline	1000		64.1	87.7	110	ug/Kg
131-11-3	Dimethylphthalate	920		55.1	87.7	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.3	87.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	990		56.1	87.7	110	ug/Kg
99-09-2	3-Nitroaniline	560		60.2	87.7	110	ug/Kg
83-32-9	Acenaphthene	940		54.7	87.7	110	ug/Kg
Total PAH	Total PAH	15840		893.6	87.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1200		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2200	E	78.2	180	220	ug/Kg
132-64-9	Dibenzofuran	950		56.9	87.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		58.1	87.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2090		114.2	87.7	220	ug/Kg
84-66-2	Diethylphthalate	960		54	87.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		57.7	87.7	110	ug/Kg
86-73-7	Fluorene	980		57.7	87.7	110	ug/Kg
100-01-6	4-Nitroaniline	950		72.2	87.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	650		78.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	930		55	87.7	110	ug/Kg
103-33-3	Azobenzene	970		53.7	87.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	950		53.2	87.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		57.3	87.7	110	ug/Kg
1912-24-9	Atrazine	1000		61.6	87.7	110	ug/Kg
87-86-5	Pentachlorophenol	2100	E	52.1	180	220	ug/Kg
85-01-8	Phenanthrene	970		56.6	87.7	110	ug/Kg
120-12-7	Anthracene	1000		56.9	87.7	110	ug/Kg
86-74-8	Carbazole	1000		54.2	87.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	980		56.8	87.7	110	ug/Kg
206-44-0	Fluoranthene	1000		55.1	87.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MS	SDG No.:	BM032624
Lab Sample ID:	P1864-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044772.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1900	E	110	180	220	ug/Kg
129-00-0	Pyrene	1000		56	87.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		65.3	87.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		66.5	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		54.4	87.7	110	ug/Kg
218-01-9	Chrysene	1000		53.6	87.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		61.4	87.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		74.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		54.7	87.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	950		55.7	87.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		62.7	87.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.7	87.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	990		54.8	87.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		54	87.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		58.5	87.7	110	ug/Kg
123-91-1	1,4-Dioxane	800		74.2	87.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		50.4	87.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	910		56.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.052		18-112		59	SPK: -150
13127-88-3	Phenol-d6	85.956		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	57.495		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	56.497		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.42		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	59.479		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141515	7.686				
1146-65-2	Naphthalene-d8	555603	10.469				
15067-26-2	Acenaphthene-d10	322882	14.333				
1517-22-2	Phenanthrene-d10	655698	17.092				
1719-03-5	Chrysene-d12	594767	21.291				
1520-96-3	Perylene-d12	708604	23.538				



Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MS	SDG No.:	BM032624
Lab Sample ID:	P1864-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM044772.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

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

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MSD	SDG No.:	BM032624
Lab Sample ID:	P1864-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044773.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		58.5	180	220	ug/Kg
110-86-1	Pyridine	770		53.9	87.6	110	ug/Kg
100-52-7	Benzaldehyde	240		120	180	220	ug/Kg
62-53-3	Aniline	430		65.3	87.6	110	ug/Kg
108-95-2	Phenol	990		55.9	87.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	920		56.4	87.6	110	ug/Kg
95-57-8	2-Chlorophenol	1000		56.3	87.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57	87.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58	87.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.3	87.6	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		56	180	220	ug/Kg
95-48-7	2-Methylphenol	920		54.3	87.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990		61.3	87.6	110	ug/Kg
98-86-2	Acetophenone	970		58.6	87.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	930		53.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		27.2	53.9	53.9	ug/Kg
67-72-1	Hexachloroethane	1100		56	87.6	110	ug/Kg
98-95-3	Nitrobenzene	950		61.2	87.6	110	ug/Kg
78-59-1	Isophorone	980		57	87.6	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.7	87.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	780		62.8	87.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		57.8	87.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		50.9	87.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.6	87.6	110	ug/Kg
65-85-0	Benzoic acid	1000		160	180	220	ug/Kg
91-20-3	Naphthalene	960		55.7	87.6	110	ug/Kg
106-47-8	4-Chloroaniline	410		55.7	87.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.2	87.6	110	ug/Kg
105-60-2	Caprolactam	1100		58.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		52.2	87.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	920		55.6	87.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MSD	SDG No.:	BM032624
Lab Sample ID:	P1864-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044773.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.1	87.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		49.9	87.6	110	ug/Kg
92-52-4	1,1-Biphenyl	970		58.9	87.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		56.2	87.6	110	ug/Kg
88-74-4	2-Nitroaniline	1100		64	87.6	110	ug/Kg
131-11-3	Dimethylphthalate	940		55.1	87.6	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.3	87.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		56.1	87.6	110	ug/Kg
99-09-2	3-Nitroaniline	570		60.1	87.6	110	ug/Kg
83-32-9	Acenaphthene	970		54.7	87.6	110	ug/Kg
Total PAH	Total PAH	16060		893.3	87.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1200		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2200	E	78.2	180	220	ug/Kg
132-64-9	Dibenzofuran	980		56.9	87.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		114.2	87.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		58.1	87.6	110	ug/Kg
84-66-2	Diethylphthalate	980		54	87.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		57.7	87.6	110	ug/Kg
86-73-7	Fluorene	1000		57.6	87.6	110	ug/Kg
100-01-6	4-Nitroaniline	990		72.1	87.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	680		78.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	950		55	87.6	110	ug/Kg
103-33-3	Azobenzene	990		53.7	87.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	980		53.2	87.6	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		57.3	87.6	110	ug/Kg
1912-24-9	Atrazine	1000		61.6	87.6	110	ug/Kg
87-86-5	Pentachlorophenol	2100	E	52.1	180	220	ug/Kg
85-01-8	Phenanthrene	990		56.6	87.6	110	ug/Kg
120-12-7	Anthracene	1000		56.9	87.6	110	ug/Kg
86-74-8	Carbazole	1000		54.1	87.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	990		56.8	87.6	110	ug/Kg
206-44-0	Fluoranthene	1100		55.1	87.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MSD	SDG No.:	BM032624
Lab Sample ID:	P1864-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044773.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2000	E	110	180	220	ug/Kg
129-00-0	Pyrene	1000		56	87.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		65.3	87.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		66.5	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		54.4	87.6	110	ug/Kg
218-01-9	Chrysene	1000		53.6	87.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	990		61.3	87.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		74.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		54.7	87.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	960		55.7	87.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		62.7	87.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.6	87.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		54.7	87.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	980		54	87.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		58.5	87.6	110	ug/Kg
123-91-1	1,4-Dioxane	800		74.2	87.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.4	87.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	930		56.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.428		18-112		60	SPK: -150
13127-88-3	Phenol-d6	86.703		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	59.282		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	58.054		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	106.543		10-110		71	SPK: -150
1718-51-0	Terphenyl-d14	58.554		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131150	7.686				
1146-65-2	Naphthalene-d8	510324	10.463				
15067-26-2	Acenaphthene-d10	291710	14.333				
1517-22-2	Phenanthrene-d10	594361	17.092				
1719-03-5	Chrysene-d12	551451	21.291				
1520-96-3	Perylene-d12	661026	23.538				



Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ229-72-11976MSD	SDG No.:	BM032624
Lab Sample ID:	P1864-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044773.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

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

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235DL	SDG No.:	BM032624
Lab Sample ID:	P1865-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044774.D	2	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	U	130	390	480	ug/Kg
110-86-1	Pyridine	120	U	120	190	250	ug/Kg
100-52-7	Benzaldehyde	270	U	270	390	480	ug/Kg
62-53-3	Aniline	140	U	140	190	250	ug/Kg
108-95-2	Phenol	120	U	120	190	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	190	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	190	250	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	250	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	190	250	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	190	250	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	390	480	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	190	250	ug/Kg
98-86-2	Acetophenone	130	U	130	190	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.7	U	58.7	120	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	190	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	190	250	ug/Kg
78-59-1	Isophorone	120	U	120	190	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	190	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	190	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	190	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	250	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	190	250	ug/Kg
65-85-0	Benzoic acid	350	U	350	390	480	ug/Kg
91-20-3	Naphthalene	120	U	120	190	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	190	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	250	ug/Kg
105-60-2	Caprolactam	130	U	130	390	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	190	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	190	250	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235DL	SDG No.:	BM032624
Lab Sample ID:	P1865-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044774.D	2	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	390	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	190	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	190	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	190	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	190	250	ug/Kg
208-96-8	Acenaphthylene	340	D	130	190	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	190	250	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	250	ug/Kg
83-32-9	Acenaphthene	130	JD	120	190	250	ug/Kg
Total PAH	Total PAH	15930	D	1940	190	4000	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	390	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	390	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	190	250	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	190	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	190	250	ug/Kg
84-66-2	Diethylphthalate	120	U	120	190	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	190	250	ug/Kg
86-73-7	Fluorene	280	D	120	190	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	190	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	390	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	190	250	ug/Kg
103-33-3	Azobenzene	120	U	120	190	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	250	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	250	ug/Kg
1912-24-9	Atrazine	130	U	130	190	250	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	390	480	ug/Kg
85-01-8	Phenanthrene	2100	D	120	190	250	ug/Kg
120-12-7	Anthracene	640	D	120	190	250	ug/Kg
86-74-8	Carbazole	120	U	120	190	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	190	250	ug/Kg
206-44-0	Fluoranthene	3000	D	120	190	250	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235DL	SDG No.:	BM032624
Lab Sample ID:	P1865-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BM044774.D	2	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	240	U	240	390	480	ug/Kg
129-00-0	Pyrene	2400	D	120	190	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	390	480	ug/Kg
56-55-3	Benzo(a)anthracene	1400	D	120	190	250	ug/Kg
218-01-9	Chrysene	1300	D	120	190	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	390	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500	D	120	190	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	420	D	120	190	250	ug/Kg
50-32-8	Benzo(a)pyrene	1100	D	140	190	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	550	D	110	190	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	JD	120	190	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	600	D	120	190	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	190	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	190	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	190	250	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	250	250	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.482		18-112		57	SPK: -150
13127-88-3	Phenol-d6	81.54		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	55.258		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	52.344		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.664		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	51.684		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134841	7.687				
1146-65-2	Naphthalene-d8	526067	10.463				
15067-26-2	Acenaphthene-d10	299370	14.333				
1517-22-2	Phenanthrene-d10	596989	17.092				
1719-03-5	Chrysene-d12	561867	21.292				
1520-96-3	Perylene-d12	656340	23.538				



Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	VNJ-235DL	SDG No.:	BM032624
Lab Sample ID:	P1865-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044774.D	2	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

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

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044775.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.9	U	58.9	180	220	ug/Kg
110-86-1	Pyridine	54.2	U	54.2	88.2	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.7	U	65.7	88.2	120	ug/Kg
108-95-2	Phenol	56.2	U	56.2	88.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.8	U	56.8	88.2	120	ug/Kg
95-57-8	2-Chlorophenol	56.7	U	56.7	88.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.4	U	57.4	88.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.3	U	58.3	88.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.7	U	58.7	88.2	120	ug/Kg
100-51-6	Benzyl Alcohol	56.3	U	56.3	180	220	ug/Kg
95-48-7	2-Methylphenol	54.7	U	54.7	88.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.7	U	61.7	88.2	120	ug/Kg
98-86-2	Acetophenone	59	U	59	88.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.1	U	54.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.3	U	27.3	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	56.3	U	56.3	88.2	120	ug/Kg
98-95-3	Nitrobenzene	61.6	U	61.6	88.2	120	ug/Kg
78-59-1	Isophorone	57.4	U	57.4	88.2	120	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	88.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.2	U	63.2	88.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.2	U	58.2	88.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	88.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.9	U	57.9	88.2	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56	U	56	88.2	120	ug/Kg
106-47-8	4-Chloroaniline	56	U	56	88.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.5	U	56.5	88.2	120	ug/Kg
105-60-2	Caprolactam	58.9	U	58.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.6	U	52.6	88.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	120		56	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044775.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.4	U	48.4	88.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.2	U	50.2	88.2	120	ug/Kg
92-52-4	1,1-Biphenyl	59.3	U	59.3	88.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.5	U	56.5	88.2	120	ug/Kg
88-74-4	2-Nitroaniline	64.5	U	64.5	88.2	120	ug/Kg
131-11-3	Dimethylphthalate	55.4	U	55.4	88.2	120	ug/Kg
208-96-8	Acenaphthylene	58.7	U	58.7	88.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.4	U	56.4	88.2	120	ug/Kg
99-09-2	3-Nitroaniline	60.5	U	60.5	88.2	120	ug/Kg
83-32-9	Acenaphthene	55	U	55	88.2	120	ug/Kg
Total PAH	Total PAH	898.9	U	898.9	88.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.7	U	78.7	180	220	ug/Kg
132-64-9	Dibenzofuran	57.3	U	57.3	88.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.5	U	58.5	88.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.9	U	114.9	88.2	240	ug/Kg
84-66-2	Diethylphthalate	54.3	U	54.3	88.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.1	U	58.1	88.2	120	ug/Kg
86-73-7	Fluorene	58	U	58	88.2	120	ug/Kg
100-01-6	4-Nitroaniline	72.6	U	72.6	88.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.4	U	79.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.4	U	55.4	88.2	120	ug/Kg
103-33-3	Azobenzene	54	U	54	88.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.5	U	53.5	88.2	120	ug/Kg
118-74-1	Hexachlorobenzene	57.7	U	57.7	88.2	120	ug/Kg
1912-24-9	Atrazine	62	U	62	88.2	120	ug/Kg
87-86-5	Pentachlorophenol	52.4	U	52.4	180	220	ug/Kg
85-01-8	Phenanthrene	57	U	57	88.2	120	ug/Kg
120-12-7	Anthracene	57.3	U	57.3	88.2	120	ug/Kg
86-74-8	Carbazole	54.5	U	54.5	88.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.2	U	57.2	88.2	120	ug/Kg
206-44-0	Fluoranthene	55.4	U	55.4	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044775.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	62.4	J	56.3	88.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.7	U	65.7	88.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.9	U	66.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.8	U	54.8	88.2	120	ug/Kg
218-01-9	Chrysene	53.9	U	53.9	88.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.7	U	61.7	88.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.6	U	74.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	55	U	55	88.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56	U	56	88.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	63.1	U	63.1	88.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53	U	53	88.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.1	U	55.1	88.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.3	U	54.3	88.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.9	U	58.9	88.2	120	ug/Kg
123-91-1	1,4-Dioxane	74.6	U	74.6	88.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.7	U	50.7	88.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	80.6	J	56.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	54.863		18-112		37	SPK: -150
13127-88-3	Phenol-d6	53.579		15-107		36	SPK: -150
4165-60-0	Nitrobenzene-d5	37.563		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	36.222		20-109		36	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.467		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	36.36		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154611	7.686				
1146-65-2	Naphthalene-d8	589327	10.463				
15067-26-2	Acenaphthene-d10	339481	14.333				
1517-22-2	Phenanthrene-d10	648380	17.092				
1719-03-5	Chrysene-d12	583513	21.291				
1520-96-3	Perylene-d12	672982	23.544				

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	HD-02-03252024	SDG No.:	BM032624
Lab Sample ID:	P1861-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044775.D	1	3/26/2024 12:00:00 AM	3/26/2024 12:00:00 AM	PB159773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	460	J			8.316	
000544-76-3	Hexadecane	1000	J			13.151	
000629-62-9	Pentadecane	1100	J			14.239	
000629-78-7	Heptadecane	980	J			15.198	
013287-24-6	Nonadecane, 9-methyl-	2100	J			16.062	
000593-45-3	Octadecane	1300	J			16.857	
000629-50-5	Tridecane	650	J			16.904	
000629-92-5	Nonadecane	1100	J			17.598	
000112-39-0	Hexadecanoic acid, methyl ester	8800	J			17.792	
000057-10-3	n-Hexadecanoic acid	920	J			18.021	
055045-08-4	Dodecane, 2-methyl-6-propyl-	1000	J			18.292	
000112-63-0	9,12-Octadecadienoic acid (Z,Z)-,	7200	J			18.939	
000112-61-8	Methyl stearate	5000	J			19.109	
000544-71-8	(9E,11E)-Octadecadienoic acid	1200	J			19.156	
000112-79-8	9-Octadecenoic acid, (E)-	690	J			19.186	
000630-06-8	Hexatriacontane	880	J			20.056	
003946-08-5	11-Eicosenoic acid, methyl ester	760	J			20.086	
1000424-52-4	Methyl 18-methylnonadecanoate	880	J			20.198	
000593-49-7	Heptacosane	490	J			20.556	
000929-77-1	Docosanoic acid, methyl ester	810	J			21.15	

Hit Summary Sheet

SW-846

SDG No.: BM032624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	HD-02-03252024							
P1861-01	HD-02-03252024	Solid	(9E,11E)-Octadecadienoic acid	*	1,200.000	J		
P1861-01	HD-02-03252024	Solid	13-Octadecenoic acid, methyl este	*	43,600.000	J		
P1861-01	HD-02-03252024	Solid	9,12-Octadecadienoic acid, methy	*	67,900.000	J		
P1861-01	HD-02-03252024	Solid	Docosanoic acid, methyl ester	*	810.000	J		
P1861-01	HD-02-03252024	Solid	Dodecane, 2-methyl-6-propyl-	*	1,400.000	J		
P1861-01	HD-02-03252024	Solid	Heptadecane	*	2,600.000	J		
P1861-01	HD-02-03252024	Solid	Hexadecane	*	1,800.000	J		
P1861-01	HD-02-03252024	Solid	Hexadecanoic acid, methyl ester	*	20,200.000	J		
P1861-01	HD-02-03252024	Solid	Methyl 18-methylnonadecanoate	*	910.000	J		
P1861-01	HD-02-03252024	Solid	Methyl 9-eicosenoate	*	1,000.000	J		
P1861-01	HD-02-03252024	Solid	Methyl stearate	*	9,400.000	J		
P1861-01	HD-02-03252024	Solid	n-Hexadecanoic acid	*	1,600.000	J		
P1861-01	HD-02-03252024	Solid	Nonadecane	*	1,500.000	J		
P1861-01	HD-02-03252024	Solid	Octadecane	*	1,700.000	J		
P1861-01	HD-02-03252024	Solid	Pentadecane	*	2,000.000	J		
P1861-01	HD-02-03252024	Solid	Tetracosane	*	820.000	J		
P1861-01	HD-02-03252024	Solid	Tetradecane	*	1,800.000	J		
P1861-01	HD-02-03252024	Solid	Tridecane	*	3,000.000	J		
P1861-01	HD-02-03252024	Solid	Tridecane, 1-iodo-	*	880.000	J		
P1861-01	HD-02-03252024	Solid	Tridecane, 4-methyl-	*	850.000	J		
P1861-01	HD-02-03252024	Solid	(9E,11E)-Octadecadienoic acid	*	1,200.000	J		
P1861-01	HD-02-03252024	Solid	11-Eicosenoic acid, methyl ester	*	760.000	J		
P1861-01	HD-02-03252024	Solid	9,12-Octadecadienoic acid (Z,Z)-	*	7,200.000	J		
P1861-01	HD-02-03252024	Solid	9-Octadecenoic acid, (E)-	*	690.000	J		
P1861-01	HD-02-03252024	Solid	Benzene, 1-ethyl-2,3-dimethyl-	*	460.000	J		
P1861-01	HD-02-03252024	Solid	Docosanoic acid, methyl ester	*	810.000	J		
P1861-01	HD-02-03252024	Solid	Dodecane, 2-methyl-6-propyl-	*	1,000.000	J		
P1861-01	HD-02-03252024	Solid	Heptacosane	*	490.000	J		
P1861-01	HD-02-03252024	Solid	Heptadecane	*	980.000	J		
P1861-01	HD-02-03252024	Solid	Hexadecane	*	1,000.000	J		
P1861-01	HD-02-03252024	Solid	Hexadecanoic acid, methyl ester	*	8,800.000	J		
P1861-01	HD-02-03252024	Solid	Hexatriacontane	*	880.000	J		
P1861-01	HD-02-03252024	Solid	Methyl 18-methylnonadecanoate	*	880.000	J		
P1861-01	HD-02-03252024	Solid	Methyl stearate	*	5,000.000	J		
P1861-01	HD-02-03252024	Solid	n-Hexadecanoic acid	*	920.000	J		
P1861-01	HD-02-03252024	Solid	Nonadecane	*	1,100.000	J		
P1861-01	HD-02-03252024	Solid	Nonadecane, 9-methyl-	*	2,100.000	J		
P1861-01	HD-02-03252024	Solid	Octadecane	*	1,300.000	J		
P1861-01	HD-02-03252024	Solid	Pentadecane	*	1,100.000	J		

Hit Summary Sheet SW-846

SDG No.: BM032624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1861-01	HD-02-03252024	Solid	Tridecane	*	650.000	J		
Total Tics :				202,290.00				
P1861-01	HD-02-03252024	Solid	1-Methylnaphthalene		80.600	J	56.4	120 ug/Kg
P1861-01	HD-02-03252024	Solid	2-Methylnaphthalene		120.000		56	120 ug/Kg
P1861-01	HD-02-03252024	Solid	Pyrene		62.400	J	56.3	120 ug/Kg
Total Svoc :				263.00				
Total Concentration:				202,553.00				
Client ID : SOIL-PILE-COMP								
P1863-02	SOIL-PILE-COMP	Solid	(E)-4-(3-Hydroxyprop-1-en-1-yl)-	*	130.000	J		
P1863-02	SOIL-PILE-COMP	Solid	4-Methyleneproline	*	88.600	J		
P1863-02	SOIL-PILE-COMP	Solid	Dodecanoic acid	*	140.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Ethanol, 2-(tetradecyloxy)-	*	190.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Heneicosane, 11-(1-ethylpropyl)-	*	440.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Heneicosane, 11-pentyl-	*	500.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Heptacosane	*	600.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Hexatriacontane	*	140.000	J		
P1863-02	SOIL-PILE-COMP	Solid	n-Hexadecanoic acid	*	3,600.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Nonadecane	*	530.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Octacosane	*	480.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Octadecane	*	330.000	J		
P1863-02	SOIL-PILE-COMP	Solid	Octadecanoic acid	*	4,500.000	J		
P1863-02	SOIL-PILE-COMP	Solid	trans-Sinapaldehyde	*	130.000	J		
P1863-02	SOIL-PILE-COMP	Solid	trans-Sinapyl alcohol	*	110.000	J		
Total Tics :				11,908.60				
P1863-02	SOIL-PILE-COMP	Solid	Benzo(a)anthracene		190.000		89.4	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Benzo(a)pyrene		200.000		100	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Benzo(b)fluoranthene		290.000		89.9	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Benzo(g,h,i)perylene		150.000	J	88.8	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Benzo(k)fluoranthene		100.000	J	91.5	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Chrysene		220.000		88.1	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Fluoranthene		420.000		90.5	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Indeno(1,2,3-cd)pyrene		120.000	J	86.5	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Phenanthrene		160.000	J	93.1	190 ug/Kg
P1863-02	SOIL-PILE-COMP	Solid	Pyrene		340.000		92	190 ug/Kg
Total Svoc :				2,190.00				
Total Concentration:				14,098.60				
Client ID : VNJ229-72-11976								
P1864-01	VNJ229-72-11976	Solid	5-Eicosene, (E)-	*	120.000	J		
P1864-01	VNJ229-72-11976	Solid	n-Hexadecanoic acid	*	240.000	J		
P1864-01	VNJ229-72-11976	Solid	Octadecanoic acid	*	72.700	J		
Total Tics :				432.70				

Hit Summary Sheet SW-846

SDG No.: BM032624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	432.70				
Client ID :	VNJ-235							
P1865-01	VNJ-235	Solid	11H-Benzo[a]fluorene	*	120.000	J		
P1865-01	VNJ-235	Solid	4H-Cyclopenta[def]phenanthrene	*	700.000	J		
P1865-01	VNJ-235	Solid	9,10-Anthracenedione	*	130.000	J		
P1865-01	VNJ-235	Solid	9,10-di(Chloromethyl)anthracene	*	170.000	J		
P1865-01	VNJ-235	Solid	9H-Fluorene, 2-methyl-	*	120.000	J		
P1865-01	VNJ-235	Solid	Anthracene, 2-methyl-	*	890.000	J		
P1865-01	VNJ-235	Solid	Benzo[e]pyrene	*	240.000	J		
P1865-01	VNJ-235	Solid	Cyclopenta(def)phenanthrenone	*	180.000	J		
P1865-01	VNJ-235	Solid	di-p-Tolylacetylene	*	89.900	J		
P1865-01	VNJ-235	Solid	Dibenzothiophene, 3-methyl-	*	87.200	J		
P1865-01	VNJ-235	Solid	Fluoranthene, 2-methyl-	*	92.800	J		
P1865-01	VNJ-235	Solid	Naphthalene, 2-phenyl-	*	220.000	J		
P1865-01	VNJ-235	Solid	Naphtho[1,2-b]thiophene	*	140.000	J		
P1865-01	VNJ-235	Solid	Octadecanoic acid	*	120.000	J		
P1865-01	VNJ-235	Solid	Perylene	*	690.000	J		
P1865-01	VNJ-235	Solid	Phenanthrene, 1-methyl-	*	200.000	J		
P1865-01	VNJ-235	Solid	Phenanthrene, 2,5-dimethyl-	*	280.000	J		
P1865-01	VNJ-235	Solid	Phenanthrene, 2-methyl-	*	340.000	J		
P1865-01	VNJ-235	Solid	Phenanthrene, 4-methyl-	*	230.000	J		
P1865-01	VNJ-235	Solid	Phenanthridine	*	86.200	J		
			Total Tics :	5,126.10				
P1865-01	VNJ-235	Solid	Acenaphthene		110.000	J	59.1	120 ug/Kg
P1865-01	VNJ-235	Solid	Acenaphthylene		320.000		63	120 ug/Kg
P1865-01	VNJ-235	Solid	Anthracene		560.000		61.5	120 ug/Kg
P1865-01	VNJ-235	Solid	Benzo(a)anthracene		1,300.000		58.8	120 ug/Kg
P1865-01	VNJ-235	Solid	Benzo(a)pyrene		1,000.000		67.8	120 ug/Kg
P1865-01	VNJ-235	Solid	Benzo(b)fluoranthene		1,300.000		59.1	120 ug/Kg
P1865-01	VNJ-235	Solid	Benzo(g,h,i)perylene		540.000		58.4	120 ug/Kg
P1865-01	VNJ-235	Solid	Benzo(k)fluoranthene		370.000		60.2	120 ug/Kg
P1865-01	VNJ-235	Solid	Carbazole		110.000	J	58.5	120 ug/Kg
P1865-01	VNJ-235	Solid	Chrysene		1,100.000		57.9	120 ug/Kg
P1865-01	VNJ-235	Solid	Dibenzo(a,h)anthracene		160.000		59.2	120 ug/Kg
P1865-01	VNJ-235	Solid	Dibenzofuran		93.600	J	61.5	120 ug/Kg
P1865-01	VNJ-235	Solid	Fluoranthene		2,700.000	E	59.5	120 ug/Kg
P1865-01	VNJ-235	Solid	Fluorene		250.000		62.3	120 ug/Kg
P1865-01	VNJ-235	Solid	Indeno(1,2,3-cd)pyrene		500.000		56.9	120 ug/Kg
P1865-01	VNJ-235	Solid	Naphthalene		69.700	J	60.2	120 ug/Kg
P1865-01	VNJ-235	Solid	Phenanthrene		1,800.000		61.2	120 ug/Kg
P1865-01	VNJ-235	Solid	Pyrene		2,200.000	E	60.5	120 ug/Kg
P1865-01	VNJ-235	Solid	Total PAH		14,279.000		965.6	1920 ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BM032624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :			28,762.30		
			Total Concentration:			33,888.40		
Client ID : VNJ-235DL								
P1865-01DL	VNJ-235DL	Solid	Acenaphthene	130.000	JD	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Acenaphthylene	340.000	D	130	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Anthracene	640.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Benzo(a)anthracene	1,400.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Benzo(a)pyrene	1,100.000	D	140	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Benzo(b)fluoranthene	1,500.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Benzo(g,h,i)perylene	600.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Benzo(k)fluoranthene	420.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Chrysene	1,300.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Dibenzo(a,h)anthracene	170.000	JD	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Fluoranthene	3,000.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Fluorene	280.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Indeno(1,2,3-cd)pyrene	550.000	D	110	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Phenanthrene	2,100.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Pyrene	2,400.000	D	120	250	ug/Kg
P1865-01DL	VNJ-235DL	Solid	Total PAH	15,930.000	D	1940	4000	ug/Kg
			Total Svoc :			31,860.00		
			Total Concentration:			31,860.00		
Client ID : VNJ-205								
P1865-03	VNJ-205	Solid	4H-Cyclopenta[def]phenanthrene *	290.000	J			
P1865-03	VNJ-205	Solid	n-Hexadecanoic acid *	700.000	J			
P1865-03	VNJ-205	Solid	Octadecanoic acid *	270.000	J			
			Total Tics :			1,260.00		
P1865-03	VNJ-205	Solid	Benzo(a)anthracene	450.000	J	270	580	ug/Kg
P1865-03	VNJ-205	Solid	Benzo(a)pyrene	420.000	J	320	580	ug/Kg
P1865-03	VNJ-205	Solid	Benzo(b)fluoranthene	520.000	J	280	580	ug/Kg
P1865-03	VNJ-205	Solid	Chrysene	430.000	J	270	580	ug/Kg
P1865-03	VNJ-205	Solid	Fluoranthene	1,000.000		280	580	ug/Kg
P1865-03	VNJ-205	Solid	Phenanthrene	760.000		290	580	ug/Kg
P1865-03	VNJ-205	Solid	Pyrene	850.000		280	580	ug/Kg
			Total Svoc :			4,430.00		
			Total Concentration:			5,690.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.612	0.680	0.663	0.653	0.649	4.1
Pyridine		1.502	1.573	1.700	1.646	1.632	1.619	4.0
2-Fluorophenol		1.337	1.392	1.461	1.411	1.381	1.393	3.0
Benzaldehyde		1.016	1.013	1.036	0.942	0.899	0.939	9.8
Aniline		1.994	2.033	2.196	2.168	2.166	2.122	3.9
Phenol-d6		1.685	1.757	1.893	1.832	1.802	1.792	3.9
Phenol		1.681	1.748	1.881	1.828	1.804	1.790	3.8
bis(2-Chloroethyl)ether		1.444	1.415	1.511	1.479	1.456	1.461	2.3
2-Chlorophenol		1.303	1.377	1.464	1.411	1.389	1.387	3.7
1,2-Dichlorobenzene		1.421	1.468	1.519	1.439	1.397	1.434	3.6
1,3-Dichlorobenzene		1.486	1.516	1.560	1.491	1.463	1.492	2.7
1,4-Dichlorobenzene		1.499	1.518	1.563	1.512	1.474	1.504	2.6
Benzyl Alcohol		1.033	1.069	1.226	1.231	1.224	1.178	7.6
2-Methylphenol		1.119	1.153	1.290	1.263	1.244	1.221	5.2
2,2-oxybis(1-Chloropropane)		2.019	2.035	2.122	2.049	1.999	2.026	3.1
Acetophenone		0.510	0.510	0.549	0.537	0.527	0.525	3.0
3+4-Methylphenols		1.457	1.534	1.751	1.714	1.702	1.647	6.7
n-Nitroso-di-n-propylamine	1.001	1.001	1.045	1.176	1.144	1.148	1.094	6.5
Nitrobenzene-d5		0.387	0.399	0.436	0.427	0.421	0.415	4.3
Hexachloroethane		0.534	0.549	0.580	0.562	0.551	0.556	2.7
Nitrobenzene		0.387	0.398	0.431	0.421	0.413	0.410	3.8
Isophorone		0.632	0.650	0.742	0.748	0.748	0.716	7.3
2-Nitrophenol		0.143	0.157	0.182	0.188	0.187	0.177	10.8
2,4-Dimethylphenol		0.277	0.297	0.325	0.322	0.319	0.311	5.9
bis(2-Chloroethoxy)methane		0.451	0.456	0.496	0.490	0.479	0.476	3.8
2,4-Dichlorophenol		0.260	0.276	0.311	0.310	0.305	0.297	7.0
1,2,4-Trichlorobenzene		0.311	0.314	0.326	0.317	0.312	0.316	1.9
Benzoic acid			0.160	0.222	0.242	0.251	0.231	16.0
Naphthalene		1.084	1.083	1.148	1.113	1.087	1.098	2.6
4-Chloroaniline		0.417	0.431	0.481	0.476	0.474	0.460	5.7
Hexachlorobutadiene		0.171	0.173	0.183	0.177	0.173	0.176	2.4
Caprolactam		0.076	0.078	0.097	0.103	0.107	0.096	14.0
4-Chloro-3-methylphenol		0.284	0.295	0.340	0.340	0.343	0.326	7.8
2-Methylnaphthalene		0.715	0.722	0.779	0.760	0.752	0.745	3.3
Hexachlorocyclopentadiene		0.279	0.305	0.319	0.334	0.332	0.323	7.6
2,4,6-Trichlorophenol		0.317	0.354	0.394	0.403	0.399	0.383	9.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.451	1.476	1.531	1.463	1.424	1.452	3.5
2,4,5-Trichlorophenol		0.398	0.428	0.467	0.469	0.467	0.454	6.6
1,1-Biphenyl		1.517	1.550	1.628	1.586	1.550	1.564	2.6
2-Chloronaphthalene		1.101	1.148	1.204	1.172	1.142	1.157	2.9
2-Nitroaniline		0.311	0.341	0.400	0.421	0.422	0.392	12.1
Dimethylphthalate		1.425	1.446	1.548	1.533	1.502	1.496	3.2
Acenaphthylene		1.752	1.817	1.962	1.938	1.908	1.884	4.1
2,6-Dinitrotoluene		0.270	0.287	0.323	0.324	0.322	0.312	7.5
3-Nitroaniline		0.291	0.316	0.378	0.384	0.391	0.365	11.8
Acenaphthene		1.090	1.103	1.179	1.162	1.149	1.139	3.1
2,4-Dinitrophenol			0.126	0.166	0.188	0.195	0.180	16.7
4-Nitrophenol			0.237	0.302	0.309	0.317	0.300	10.5
Dibenzofuran		1.772	1.809	1.902	1.842	1.790	1.808	3.3
2,4-Dinitrotoluene		0.321	0.354	0.423	0.436	0.437	0.407	12.0
Diethylphthalate		1.390	1.445	1.576	1.557	1.545	1.514	4.7
4-Chlorophenyl-phenylether		0.669	0.675	0.713	0.685	0.670	0.676	3.3
Fluorene		1.385	1.397	1.507	1.437	1.396	1.408	4.1
4-Nitroaniline		0.275	0.308	0.377	0.395	0.398	0.364	14.1
4,6-Dinitro-2-methylphenol			0.096	0.123	0.130	0.131	0.125	12.1
n-Nitrosodiphenylamine		0.576	0.599	0.657	0.641	0.624	0.623	4.6
Azobenzene		1.371	1.455	1.651	1.638	1.625	1.565	7.0
2,4,6-Tribromophenol		0.190	0.201	0.232	0.228	0.228	0.221	8.1
4-Bromophenyl-phenylether		0.193	0.199	0.213	0.211	0.207	0.207	3.8
Hexachlorobenzene		0.209	0.213	0.227	0.222	0.219	0.220	3.1
Atrazine		0.170	0.186	0.204	0.200	0.200	0.195	6.5
Pentachlorophenol		0.122	0.135	0.163	0.168	0.169	0.158	13.4
Phenanthrene		1.077	1.088	1.165	1.118	1.096	1.105	3.2
Anthracene		1.025	1.077	1.174	1.141	1.110	1.109	4.6
Carbazole		0.960	0.997	1.104	1.078	1.057	1.044	5.0
Di-n-butylphthalate		1.155	1.206	1.390	1.414	1.414	1.345	8.6
Fluoranthene		1.189	1.192	1.297	1.260	1.244	1.236	3.5
Benzidine			0.428	0.488	0.576	0.572	0.517	12.4
Pyrene		1.347	1.392	1.529	1.539	1.478	1.466	5.1
Terphenyl-d14		1.104	1.133	1.227	1.202	1.140	1.143	5.5
Butylbenzylphthalate		0.496	0.549	0.669	0.722	0.716	0.661	14.9
3,3-Dichlorobenzidine		0.409	0.439	0.510	0.519	0.502	0.479	9.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.309	1.345	1.455	1.429	1.397	1.392	4.0
Chrysene		1.299	1.300	1.380	1.377	1.320	1.330	3.3
Bis(2-ethylhexyl)phthalate		0.778	0.859	1.052	1.107	1.072	0.995	12.7
Di-n-octyl phthalate		1.313	1.423	1.723	1.900	1.892	1.726	14.9
Benzo(b)fluoranthene		1.092	1.117	1.207	1.207	1.175	1.175	4.4
Benzo(k)fluoranthene		1.129	1.189	1.279	1.226	1.220	1.208	4.6
Benzo(a)pyrene		1.036	1.083	1.194	1.179	1.168	1.146	5.6
Indeno(1,2,3-cd)pyrene		1.359	1.390	1.506	1.477	1.462	1.446	4.1
Dibenzo(a,h)anthracene		1.148	1.158	1.270	1.246	1.244	1.219	4.5
Benzo(g,h,i)perylene		1.149	1.146	1.243	1.211	1.208	1.200	3.4
1,2,4,5-Tetrachlorobenzene		0.549	0.567	0.582	0.570	0.560	0.568	2.1
1,4-Dioxane		0.574	0.602	0.622	0.579	0.569	0.586	3.5
2,3,4,6-Tetrachlorophenol		0.325	0.336	0.362	0.360	0.361	0.353	4.6
1-Methylnaphthalene		0.678	0.667	0.722	0.708	0.699	0.694	3.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032624 SAS No.: BM032624 SDG NO.: BM032624

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 26 2024 12:00AM

Lab File ID: BM044599.D Time Analyzed: 12:53

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	237331	7.704	938226	10.49	534669	14.35
UPPER LIMIT	474662	8.204	1876452	10.986	1069338	14.851
LOWER LIMIT	118665.5	7.204	469113	9.986	267334.5	13.851
EPA SAMPLE NO.						
01 PB159773BL	226635	7.69	906933	10.47	512596	14.34
02 PB159773BS	192425	7.69	796607	10.47	448045	14.34
03 SOIL-PILE-COMP	141320	7.69	550476	10.46	313440	14.33
04 VNJ-235	177429	7.69	687033	10.47	396828	14.33
05 HD-02-03252024	114395 *	7.69	443996 *	10.47	253888 *	14.33
06 VNJ-205	134039	7.69	519856	10.47	295141	14.33
07 VNJ229-72-11976	146627	7.69	558339	10.47	317544	14.33
08 VNJ229-72-11976MS	141515	7.69	555603	10.47	322882	14.33
09 VNJ229-72-11976MSD	131150	7.69	510324	10.46	291710	14.33
10 VNJ-235DL	134841	7.69	526067	10.46	299370	14.33
11 HD-02-03252024	154611	7.69	589327	10.46	339481	14.33

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032624 SAS No.: BM032624 SDG NO.: BM032624

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 26 2024 12:00AM

Lab File ID: BM044764.D Time Analyzed: 12:53

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	213980	7.687	862228	10.47	495221	14.34
	UPPER LIMIT	427960	8.187	1724456	10.969	990442	14.839
	LOWER LIMIT	106990	7.187	431114	9.969	247610.5	13.839
	EPA SAMPLE NO.						
01	PB159773BL	226635	7.69	906933	10.47	512596	14.34
02	PB159773BS	192425	7.69	796607	10.47	448045	14.34
03	SOIL-PILE-COMP	141320	7.69	550476	10.46	313440	14.33
04	VNJ-235	177429	7.69	687033	10.47	396828	14.33
05	HD-02-03252024	114395	7.69	443996	10.47	253888	14.33
06	VNJ-205	134039	7.69	519856	10.47	295141	14.33
07	VNJ229-72-11976	146627	7.69	558339	10.47	317544	14.33
08	VNJ229-72-11976MS	141515	7.69	555603	10.47	322882	14.33
09	VNJ229-72-11976MSD	131150	7.69	510324	10.46	291710	14.33
10	VNJ-235DL	134841	7.69	526067	10.46	299370	14.33
11	HD-02-03252024	154611	7.69	589327	10.46	339481	14.33

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.: BM032624 SAS No.: BM032624 SDG NO.: BM032624

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 26 2024 12:00AM

Lab File ID: BM044599.D Time Analyzed: 12:53

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.04066e+04	17.104	895964	21.303	1.0338e+004	23.55
UPPER LIMIT	2081320	17.604	1791928	21.803	2067600	24.05
LOWER LIMIT	520330	16.604	447982	20.803	516900	23.05
EPA SAMPLE NO.						
01 PB159773BL	1.08471	17.09	866878	21.30	868713	23.54
02 PB159773BS	912497	17.09	777184	21.30	724855	23.54
03 SOIL-PILE-COMP	608520	17.09	569662	21.29	692281	23.54
04 VNJ-235	789100	17.09	713553	21.29	879150	23.54
05 HD-02-03252024	506894 *	17.09	494056	21.29	587473	23.54
06 VNJ-205	586798	17.09	552042	21.29	651442	23.54
07 VNJ229-72-11976	633463	17.09	601395	21.29	702619	23.54
08 VNJ229-72-11976MS	655698	17.09	594767	21.29	708604	23.54
09 VNJ229-72-11976MSD	594361	17.09	551451	21.29	661026	23.54
10 VNJ-235DL	596989	17.09	561867	21.29	656340	23.54
11 HD-02-03252024	648380	17.09	583513	21.29	672982	23.54

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.: BM032624 SAS No.: BM032624 SDG NO.: BM032624

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 26 2024 12:00AM

Lab File ID: BM044764.D Time Analyzed: 12:53

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	927256	17.092	592248	21.298	611709	23.545
UPPER LIMIT	1854512	17.592	1184496	21.798	1223418	24.045
LOWER LIMIT	463628	16.592	296124	20.798	305854.5	23.045
EPA SAMPLE NO.						
01 PB159773BL	1.08471	17.09	866878	21.30	868713	23.54
02 PB159773BS	912497	17.09	777184	21.30	724855	23.54
03 SOIL-PILE-COMP	608520	17.09	569662	21.29	692281	23.54
04 VNJ-235	789100	17.09	713553	21.29	879150	23.54
05 HD-02-03252024	506894	17.09	494056	21.29	587473	23.54
06 VNJ-205	586798	17.09	552042	21.29	651442	23.54
07 VNJ229-72-11976	633463	17.09	601395	21.29	702619	23.54
08 VNJ229-72-11976MS	655698	17.09	594767	21.29	708604	23.54
09 VNJ229-72-11976MSD	594361	17.09	551451	21.29	661026	23.54
10 VNJ-235DL	596989	17.09	561867	21.29	656340	23.54
11 HD-02-03252024	648380	17.09	583513	21.29	672982	23.54

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.: BM032624

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159773BS	n-Nitrosodimethylamine	1700	1700	ug/Kg	100				57	103	
	Pyridine	1700	970	ug/Kg	57				28	98	
	Benzaldehyde	1700	310	ug/Kg	18				10	147	
	Aniline	1700	660	ug/Kg	39				38	100	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1600	ug/Kg	94				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	630	ug/Kg	37				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1800	ug/Kg	106				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	2600	ug/Kg	79				45	134	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106		*		59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1300	ug/Kg	76				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25300	ug/Kg	93				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM032624

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159773BS	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3500	ug/Kg	103				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1300	ug/Kg	76				67	113	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	940	ug/Kg	28				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159773BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032624SAS No.: BM032624 SDG NO.: BM032624Lab File ID: BM044765.DLab Sample ID: PB159773BLInstrument ID: BNA_MDate Extracted: 03/26/2024Matrix: (soil/water) SolidDate Analyzed: 03/26/2024Level: (low/med) LOWTime Analyzed: 12:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159773BS	PB159773BS	BM044766.D	03/26/2024
SOIL-PILE-COMP	P1863-02	BM044767.D	03/26/2024
VNJ-235	P1865-01	BM044768.D	03/26/2024
HD-02-03252024	P1861-01	BM044769.D	03/26/2024
VNJ-205	P1865-03	BM044770.D	03/26/2024
VNJ229-72-11976	P1864-01	BM044771.D	03/26/2024
VNJ229-72-11976MS	P1864-01MS	BM044772.D	03/26/2024
VNJ229-72-11976MSD	P1864-01MSD	BM044773.D	03/26/2024
HD-02-03252024	P1861-01	BM044775.D	03/26/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032624

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1864-01MS	Client Sample ID:	VNJ229-72-11976MS					DataFile:	BM044772.D		
n-Nitrosodimethylamine	1100		1100	ug/Kg	100				66	124	
Pyridine	1100		780	ug/Kg	71				45	119	
Benzaldehyde	1100		240	ug/Kg	22	*			26	163	
Aniline	1100		400	ug/Kg	36				10	88	
Phenol	1100		970	ug/Kg	88				67	126	
bis(2-Chloroethyl)ether	1100		900	ug/Kg	82				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1000	ug/Kg	91				47	126	
2-Methylphenol	1100		910	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	1100		970	ug/Kg	88				52	115	
Acetophenone	1100		940	ug/Kg	85				75	111	
3+4-Methylphenols	1100		930	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	1100		890	ug/Kg	81				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		930	ug/Kg	85				70	119	
Isophorone	1100		950	ug/Kg	86				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		780	ug/Kg	71	*			83	144	
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		1000	ug/Kg	91				50	104	
Naphthalene	1100		940	ug/Kg	85				72	110	
4-Chloroaniline	1100		390	ug/Kg	35				10	100	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		1100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91				57	132	
2-Methylnaphthalene	1100		920	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	2200		940	ug/Kg	43				10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		960	ug/Kg	87				72	117	
1,1-Biphenyl	1100		940	ug/Kg	85				75	113	
2-Chloronaphthalene	1100		990	ug/Kg	90				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		920	ug/Kg	84				70	113	
Acenaphthylene	1100		1000	ug/Kg	91				79	118	
2,6-Dinitrotoluene	1100		990	ug/Kg	90				70	125	
3-Nitroaniline	1100		560	ug/Kg	51				20	111	
Acenaphthene	1100		940	ug/Kg	85				70	121	
Total PAH	17600		15840	ug/Kg	90				70	121	
2,4-Dinitrophenol	2200		1200	ug/Kg	55				16	160	
4-Nitrophenol	2200		2200	ug/Kg	100				45	133	
Dibenzofuran	1100		950	ug/Kg	86				72	110	
2,4-Dinitrotoluene	1100		1100	ug/Kg	100				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032624

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	2200		2090	ug/Kg	95				55	128	
Diethylphthalate	1100		960	ug/Kg	87				70	112	
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86				71	108	
Fluorene	1100		980	ug/Kg	89				68	116	
4-Nitroaniline	1100		950	ug/Kg	86				55	120	
4,6-Dinitro-2-methylphenol	1100		650	ug/Kg	59				32	145	
N-Nitrosodiphenylamine	1100		930	ug/Kg	85				73	118	
Azobenzene	1100		970	ug/Kg	88				73	110	
4-Bromophenyl-phenylether	1100		950	ug/Kg	86				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1000	ug/Kg	91				79	127	
Pentachlorophenol	2200		2100	ug/Kg	95				47	128	
Phenanthrene	1100		970	ug/Kg	88				72	113	
Anthracene	1100		1000	ug/Kg	91				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		980	ug/Kg	89				69	118	
Fluoranthene	1100		1000	ug/Kg	91				59	125	
Benzidine	2200		1900	ug/Kg	86				10	119	
Pyrene	1100		1000	ug/Kg	91				52	128	
Butylbenzylphthalate	1100		1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		1000	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91				66	127	
Di-n-octyl phthalate	1100		1000	ug/Kg	91				71	126	
Benzo(b)fluoranthene	1100		1100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1100		950	ug/Kg	86				74	114	
Benzo(a)pyrene	1100		1000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91				61	125	
Dibenz(a,h)anthracene	1100		990	ug/Kg	90				67	130	
Benzo(g,h,i)perylene	1100		970	ug/Kg	88				53	140	
1,2,4,5-Tetrachlorobenzene	1100		990	ug/Kg	90				69	124	
1,4-Dioxane	1100		800	ug/Kg	73				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				56	133	
1-Methylnaphthalene	1100		910	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1864-01MSD	Client Sample ID:	VNJ229-72-11976MSD					DataFile:	BM044773.D		
n-Nitrosodimethylamine	1100		1100	ug/Kg	100		0		66	124	20
Pyridine	1100		770	ug/Kg	70		1		45	119	20
Benzaldehyde	1100		240	ug/Kg	22	*	0		26	163	20
Aniline	1100		430	ug/Kg	39		8		10	88	20
Phenol	1100		990	ug/Kg	90		2		67	126	20
bis(2-Chloroethyl)ether	1100		920	ug/Kg	84		2		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		0		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		0		47	126	20
2-Methylphenol	1100		920	ug/Kg	84		1		66	122	20
2,2-oxybis(1-Chloropropane)	1100		990	ug/Kg	90		2		52	115	20
Acetophenone	1100		970	ug/Kg	88		3		75	111	20
3+4-Methylphenols	1100		930	ug/Kg	85		0		53	132	20
N-Nitroso-di-n-propylamine	1100		910	ug/Kg	83		2		59	119	20
Hexachloroethane	1100		1100	ug/Kg	100		9		65	117	20
Nitrobenzene	1100		950	ug/Kg	86		1		70	119	20
Isophorone	1100		980	ug/Kg	89		3		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100		780	ug/Kg	71	*	0		83	144	20
bis(2-Chloroethoxy)methane	1100		900	ug/Kg	82		2		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		9		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		0		57	103	20
Benzoic acid	1100		1000	ug/Kg	91		0		50	104	20
Naphthalene	1100		960	ug/Kg	87		2		72	110	20
4-Chloroaniline	1100		410	ug/Kg	37		6		10	100	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		1100	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91		0		57	132	20
2-Methylnaphthalene	1100		920	ug/Kg	84		0		59	123	20
Hexachlorocyclopentadiene	2200		1000	ug/Kg	45		5		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		9		72	117	20
2,4,5-Trichlorophenol	1100		990	ug/Kg	90		3		72	117	20
1,1-Biphenyl	1100		970	ug/Kg	88		3		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		1		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		9		69	127	20
Dimethylphthalate	1100		940	ug/Kg	85		1		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		0		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		1		70	125	20
3-Nitroaniline	1100		570	ug/Kg	52		2		20	111	20
Acenaphthene	1100		970	ug/Kg	88		3		70	121	20
Total PAH	17600		16060	ug/Kg	91		1		70	121	20
2,4-Dinitrophenol	2200		1200	ug/Kg	55		0		16	160	20
4-Nitrophenol	2200		2200	ug/Kg	100		0		45	133	20
Dibenzofuran	1100		980	ug/Kg	89		3		72	110	20
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032624

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95		0		55	128	20
Diethylphthalate	1100		980	ug/Kg	89		2		70	112	20
4-Chlorophenyl-phenylether	1100		980	ug/Kg	89		3		71	108	20
Fluorene	1100		1000	ug/Kg	91		2		68	116	20
4-Nitroaniline	1100		990	ug/Kg	90		5		55	120	20
4,6-Dinitro-2-methylphenol	1100		680	ug/Kg	62		5		32	145	20
N-Nitrosodiphenylamine	1100		950	ug/Kg	86		1		73	118	20
Azobenzene	1100		990	ug/Kg	90		2		73	110	20
4-Bromophenyl-phenylether	1100		980	ug/Kg	89		3		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		0		67	118	20
Atrazine	1100		1000	ug/Kg	91		0		79	127	20
Pentachlorophenol	2200		2100	ug/Kg	95		0		47	128	20
Phenanthrene	1100		990	ug/Kg	90		2		72	113	20
Anthracene	1100		1000	ug/Kg	91		0		62	124	20
Carbazole	1100		1000	ug/Kg	91		0		59	119	20
Di-n-butylphthalate	1100		990	ug/Kg	90		1		69	118	20
Fluoranthene	1100		1100	ug/Kg	100		9		59	125	20
Benzidine	2200		2000	ug/Kg	91		6		10	119	20
Pyrene	1100		1000	ug/Kg	91		0		52	128	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		9		64	126	20
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100		0		10	164	20
Benzo(a)anthracene	1100		1000	ug/Kg	91		0		71	114	20
Chrysene	1100		1000	ug/Kg	91		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		990	ug/Kg	90		1		66	127	20
Di-n-octyl phthalate	1100		1000	ug/Kg	91		0		71	126	20
Benzo(b)fluoranthene	1100		1100	ug/Kg	100		0		67	121	20
Benzo(k)fluoranthene	1100		960	ug/Kg	87		1		74	114	20
Benzo(a)pyrene	1100		1000	ug/Kg	91		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91		0		61	125	20
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91		1		67	130	20
Benzo(g,h,i)perylene	1100		980	ug/Kg	89		1		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		1		69	124	20
1,4-Dioxane	1100		800	ug/Kg	73		0		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		9		56	133	20
1-Methylnaphthalene	1100		930	ug/Kg	85		2		70	130	20

Surrogate Summary

SW-846

SDG No.: **BM032624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1861-01	HD-02-03252024	BM044769.D	2-Fluorophenol	150	67.95	45		18	112
			2-Fluorophenol	150	54.86	37		18	112
			Phenol-d6	150	53.58	36		15	107
		BM044769.D	Phenol-d6	150	64.95	43		15	107
			Nitrobenzene-d5	100	40.86	41		18	107
			Nitrobenzene-d5	100	37.56	38		18	107
		BM044775.D	2-Fluorobiphenyl	100	36.22	36		20	109
			2-Fluorobiphenyl	100	43.68	44		20	109
			2,4,6-Tribromophenol	150	77.02	51		10	110
		BM044775.D	2,4,6-Tribromophenol	150	63.47	42		10	110
			Terphenyl-d14	100	36.36	36		14	112
			Terphenyl-d14	100	43.40	43		14	112
P1863-02	SOIL-PILE-COMP	BM044767.D	2-Fluorophenol	150	81.67	54		18	112
			Phenol-d6	150	79.25	53		15	107
			Nitrobenzene-d5	100	53.79	54		18	107
			2-Fluorobiphenyl	100	49.44	49		20	109
			2,4,6-Tribromophenol	150	95.26	64		10	110
			Terphenyl-d14	100	48.60	49		14	112
			Terphenyl-d14	100	55.32	55		14	112
P1864-01	VNJ229-72-11976	BM044771.D	2-Fluorophenol	150	84.89	57		18	112
			Phenol-d6	150	81.86	55		15	107
			Nitrobenzene-d5	100	56.69	57		18	107
			2-Fluorobiphenyl	100	55.75	56		20	109
			2,4,6-Tribromophenol	150	98.89	66		10	110
			Terphenyl-d14	100	55.32	55		14	112
P1864-01MS	VNJ229-72-11976	MBM044772.D	2-Fluorophenol	150	88.05	59		18	112
			Phenol-d6	150	85.96	57		15	107
			Nitrobenzene-d5	100	57.50	57		18	107
			2-Fluorobiphenyl	100	56.50	56		20	109
			2,4,6-Tribromophenol	150	105.42	70		10	110
			Terphenyl-d14	100	59.48	59		14	112
P1864-01MSD	VNJ229-72-11976	MBM044773.D	2-Fluorophenol	150	89.43	60		18	112
			Phenol-d6	150	86.70	58		15	107
			Nitrobenzene-d5	100	59.28	59		18	107
			2-Fluorobiphenyl	100	58.05	58		20	109
			2,4,6-Tribromophenol	150	106.54	71		10	110
			Terphenyl-d14	100	58.55	59		14	112
P1865-01	VNJ-235	BM044768.D	2-Fluorophenol	150	76.15	51		18	112
			Phenol-d6	150	74.23	49		15	107
			Nitrobenzene-d5	100	50.20	50		18	107
			2-Fluorobiphenyl	100	46.49	46		20	109
			2,4,6-Tribromophenol	150	89.57	60		10	110
			Terphenyl-d14	100	47.36	47		14	112
P1865-01DL	VNJ-235DL	BM044774.D	2-Fluorophenol	150	85.48	57		18	112
			Phenol-d6	150	81.54	54		15	107
			Nitrobenzene-d5	100	55.26	55		18	107
			2-Fluorobiphenyl	100	52.34	52		20	109
			2,4,6-Tribromophenol	150	95.66	64		10	110
			Terphenyl-d14	100	51.68	52		14	112
P1865-03	VNJ-205	BM044770.D	2-Fluorophenol	150	71.46	48		18	112
			Phenol-d6	150	68.96	46		15	107
			Nitrobenzene-d5	100	45.84	46		18	107



Surrogate Summary
SW-846

SDG No.: BM032624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1865-03	VNJ-205	BM044770.D	2-Fluorobiphenyl	100	44.68	45		20	109
			2,4,6-Tribromophenol	150	76.29	51		10	110
			Terphenyl-d14	100	42.28	42		14	112
PB159773BL	PB159773BL	BM044765.D	2-Fluorophenol	150	125.03	83		18	112
			Phenol-d6	150	118.77	79		15	107
			Nitrobenzene-d5	100	80.06	80		18	107
			2-Fluorobiphenyl	100	80.11	80		20	109
			2,4,6-Tribromophenol	150	141.18	94		10	110
			Terphenyl-d14	100	89.15	89		14	112
PB159773BS	PB159773BS	BM044766.D	2-Fluorophenol	150	142.91	95		18	112
			Phenol-d6	150	139.41	93		15	107
			Nitrobenzene-d5	100	88.35	88		18	107
			2-Fluorobiphenyl	100	87.80	88		20	109
			2,4,6-Tribromophenol	150	155.87	104		10	110
			Terphenyl-d14	100	90.73	91		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM032624Lab Code: CHEMSAS No.: BM032624 SDG NO.: BM032624Lab File ID: BM044763.DDFTPP Injection Date: 03/26/2024Instrument ID: BNA_MDFTPP Injection Time: 10:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.7
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	39.2
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	48.8
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	86.7
443	15.0 - 24.0% of mass 442	16.9 (19.5) 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	BM044764.D	03/26/2024	11:02
PB159773BL	PB159773BL	BM044765.D	03/26/2024	12:53
PB159773BS	PB159773BS	BM044766.D	03/26/2024	13:29
SOIL-PILE-COMP	P1863-02	BM044767.D	03/26/2024	14:11
VNJ-235	P1865-01	BM044768.D	03/26/2024	14:47
HD-02-03252024	P1861-01	BM044769.D	03/26/2024	15:24
VNJ-205	P1865-03	BM044770.D	03/26/2024	16:00
VNJ229-72-11976	P1864-01	BM044771.D	03/26/2024	16:36
VNJ229-72-11976MS	P1864-01MS	BM044772.D	03/26/2024	17:13
VNJ229-72-11976MSD	P1864-01MSD	BM044773.D	03/26/2024	17:50
VNJ-235DL	P1865-01DL	BM044774.D	03/26/2024	18:26
HD-02-03252024	P1861-01	BM044775.D	03/26/2024	19:03