

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140057.D	1	10/25/24 09:50	10/26/24 13:58	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	940		60.1	230	ug/Kg
110-86-1	Pyridine	930		55.3	120	ug/Kg
100-52-7	Benzaldehyde	280		130	230	ug/Kg
62-53-3	Aniline	570		67.0	120	ug/Kg
108-95-2	Phenol	970		57.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		57.9	120	ug/Kg
95-57-8	2-Chlorophenol	1000		57.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		58.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	930		59.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	940		59.8	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		57.4	230	ug/Kg
95-48-7	2-Methylphenol	970		55.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		62.9	120	ug/Kg
98-86-2	Acetophenone	920		60.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		55.2	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		27.9	55.3	ug/Kg
67-72-1	Hexachloroethane	960		57.4	120	ug/Kg
98-95-3	Nitrobenzene	930		62.8	120	ug/Kg
78-59-1	Isophorone	980		58.5	120	ug/Kg
88-75-5	2-Nitrophenol	1200		65.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		64.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		59.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		52.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	930		59.1	120	ug/Kg
65-85-0	Benzoic acid	890		160	230	ug/Kg
91-20-3	Naphthalene	940		57.1	120	ug/Kg
106-47-8	4-Chloroaniline	170		57.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	960		57.6	120	ug/Kg
105-60-2	Caprolactam	990		60.1	230	ug/Kg

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59-50-7	4-Chloro-3-methylphenol	990		53.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		57.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		49.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		51.2	120	ug/Kg
92-52-4	1,1-Biphenyl	940		60.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	940		57.6	120	ug/Kg
88-74-4	2-Nitroaniline	1100		65.7	120	ug/Kg
131-11-3	Dimethylphthalate	990		56.5	120	ug/Kg
208-96-8	Acenaphthylene	1000		59.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		57.6	120	ug/Kg
99-09-2	3-Nitroaniline	440		61.7	120	ug/Kg
83-32-9	Acenaphthene	1100		56.1	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	1900	E	80.3	230	ug/Kg
132-64-9	Dibenzofuran	950		58.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		59.6	120	ug/Kg
84-66-2	Diethylphthalate	980		55.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		59.2	120	ug/Kg
86-73-7	Fluorene	940		59.2	120	ug/Kg
100-01-6	4-Nitroaniline	970		74.0	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		80.9	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		56.5	120	ug/Kg
103-33-3	Azobenzene	1000		55.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		54.6	120	ug/Kg
118-74-1	Hexachlorobenzene	980		58.8	120	ug/Kg
1912-24-9	Atrazine	1200		63.2	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	53.5	230	ug/Kg
85-01-8	Phenanthrene	960		58.1	120	ug/Kg
120-12-7	Anthracene	1000		58.4	120	ug/Kg
86-74-8	Carbazole	910		55.6	120	ug/Kg

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84-74-2	Di-n-butylphthalate	1000		58.3	120	ug/Kg
206-44-0	Fluoranthene	870		56.5	120	ug/Kg
92-87-5	Benzidine	1200		110	230	ug/Kg
129-00-0	Pyrene	970		57.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		67.0	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	520		68.2	230	ug/Kg
56-55-3	Benzo(a)anthracene	990		55.8	120	ug/Kg
218-01-9	Chrysene	950		55.0	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		63.0	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		76.1	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	920		56.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		57.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		64.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	880		54.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		56.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	740		55.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	960		60.1	120	ug/Kg
123-91-1	1,4-Dioxane	890		76.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		51.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	930		57.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.8		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	91.2		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.4		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.5		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		10 - 116	71%	SPK: 150
1718-51-0	Terphenyl-d14	68.7		10 - 105	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142000	6.887			
1146-65-2	Naphthalene-d8	557000	8.169			

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15067-26-2	Acenaphthene-d10	317000	9.928			
1517-22-2	Phenanthrene-d10	543000	11.416			
1719-03-5	Chrysene-d12	261000	14.051			
1520-96-3	Perylene-d12	285000	15.527			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products