

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/06/25
Project:	NJ Soil PT		Date Received:	05/06/25
Client Sample ID:	MH-LLMS		SDG No.:	Q1872
Lab Sample ID:	Q1964-01MS		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	80.8
Sample Wt/Vol:	50.06	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
BM050146.D	1	05/08/25 09:15	05/08/25 14:42	PB167904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	1000		24.8	240	ug/Kg
110-86-1	Pyridine	1000		29.1	130	ug/Kg
100-52-7	Benzaldehyde	580		120	240	ug/Kg
62-53-3	Aniline	540		36.9	130	ug/Kg
108-95-2	Phenol	1100		16.4	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		18.0	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		14.4	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		13.1	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		13.6	130	ug/Kg
100-51-6	Benzyl Alcohol	1100		36.0	240	ug/Kg
95-48-7	2-Methylphenol	1100		22.2	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27.8	130	ug/Kg
98-86-2	Acetophenone	1100		21.9	130	ug/Kg
65794-96-9	3+4-Methylphenols	1100		30.5	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		35.2	59.3	ug/Kg
67-72-1	Hexachloroethane	1000		13.1	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	130	ug/Kg
78-59-1	Isophorone	1000		24.3	130	ug/Kg
88-75-5	2-Nitrophenol	1100		43.2	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.1	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.8	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.0	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		16.8	130	ug/Kg
65-85-0	Benzoic acid	1200		140	240	ug/Kg
91-20-3	Naphthalene	1100		16.8	130	ug/Kg
106-47-8	4-Chloroaniline	360		26.3	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.8	130	ug/Kg
105-60-2	Caprolactam	990		38.6	240	ug/Kg

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59-50-7	4-Chloro-3-methylphenol	1000		21.3	130	ug/Kg
91-57-6	2-Methylnaphthalene	1000		19.0	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900		86.0	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.7	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.6	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.2	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	130	ug/Kg
88-74-4	2-Nitroaniline	1100		35.7	130	ug/Kg
131-11-3	Dimethylphthalate	1000		20.1	130	ug/Kg
208-96-8	Acenaphthylene	1100		21.4	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.9	130	ug/Kg
99-09-2	3-Nitroaniline	640		34.1	130	ug/Kg
83-32-9	Acenaphthene	1100		15.8	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	2000	E	79.4	240	ug/Kg
132-64-9	Dibenzofuran	1000		16.8	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		37.2	130	ug/Kg
84-66-2	Diethylphthalate	1000		21.0	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		19.8	130	ug/Kg
86-73-7	Fluorene	1000		18.8	130	ug/Kg
100-01-6	4-Nitroaniline	940		47.6	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		76.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		24.4	130	ug/Kg
103-33-3	Azobenzene	1100		21.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		20.6	130	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.8	130	ug/Kg
1912-24-9	Atrazine	1100		25.2	130	ug/Kg
87-86-5	Pentachlorophenol	2400	E	38.0	240	ug/Kg
85-01-8	Phenanthrene	1100		15.5	130	ug/Kg
120-12-7	Anthracene	1100		24.7	130	ug/Kg
86-74-8	Carbazole	1100		23.1	130	ug/Kg

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84-74-2	Di-n-butylphthalate	1100		35.5	130	ug/Kg
206-44-0	Fluoranthene	1100		22.3	130	ug/Kg
92-87-5	Benzidine	790		110	240	ug/Kg
129-00-0	Pyrene	1100		26.7	130	ug/Kg
85-68-7	Butylbenzylphthalate	1100		53.0	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	640		27.2	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.1	130	ug/Kg
218-01-9	Chrysene	1100		14.8	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		43.9	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		64.4	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		14.1	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		16.6	130	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.9	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		21.6	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		20.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		19.1	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	130	ug/Kg
123-91-1	1,4-Dioxane	940		33.5	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.3	130	ug/Kg
90-12-0	1-Methylnaphthalene	1000		19.1	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		18 - 112	70%	SPK: 150
13127-88-3	Phenol-d6	104		15 - 107	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.7		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		10 - 116	67%	SPK: 150
1718-51-0	Terphenyl-d14	51.3		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	264000	7.74			
1146-65-2	Naphthalene-d8	907000	10.534			

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15067-26-2	Acenaphthene-d10	563000	14.386			
1517-22-2	Phenanthrene-d10	1040000	17.139			
1719-03-5	Chrysene-d12	1000000	21.386			
1520-96-3	Perylene-d12	1080000	24.38			

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