

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25
Project:	NJ Soil PT		Date Received:	04/24/25
Client Sample ID:	HW0425-PT-BNA-SOIL		SDG No.:	Q1872
Lab Sample ID:	Q1872-11		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
Sample Wt/Vol:	30.21	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
BP024629.D	1	05/08/25 09:15	05/14/25 17:15	PB167904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	33.3	U	33.3	330	ug/Kg
110-86-1	Pyridine	38.9	U	38.9	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	330	ug/Kg
62-53-3	Aniline	49.4	U	49.4	170	ug/Kg
108-95-2	Phenol	1800		21.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.1	U	24.1	170	ug/Kg
95-57-8	2-Chlorophenol	1900		24.2	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		19.3	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.6	U	17.6	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	3900	E	18.2	170	ug/Kg
100-51-6	Benzyl Alcohol	48.2	U	48.2	330	ug/Kg
95-48-7	2-Methylphenol	29.7	U	29.7	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		37.2	170	ug/Kg
98-86-2	Acetophenone	29.3	U	29.3	170	ug/Kg
65794-96-9	3+4-Methylphenols	40.8	U	40.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2500		47.1	79.4	ug/Kg
67-72-1	Hexachloroethane	3300	E	17.5	170	ug/Kg
98-95-3	Nitrobenzene	5000	E	18.2	170	ug/Kg
78-59-1	Isophorone	2600		32.6	170	ug/Kg
88-75-5	2-Nitrophenol	2100		57.8	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.3	U	64.3	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4200	E	30.6	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.1	U	28.1	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	22.4	U	22.4	170	ug/Kg
65-85-0	Benzoic acid	190	U	190	330	ug/Kg
91-20-3	Naphthalene	22.5	U	22.5	170	ug/Kg
106-47-8	4-Chloroaniline	35.2	U	35.2	170	ug/Kg
87-68-3	Hexachlorobutadiene	4100	EQ	25.1	170	ug/Kg
105-60-2	Caprolactam	51.7	U	51.7	330	ug/Kg

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59-50-7	4-Chloro-3-methylphenol	28.5	U	28.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.4	U	25.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3500	E	19.7	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	28.9	UQ	28.9	170	ug/Kg
92-52-4	1,1-Biphenyl	21.6	U	21.6	170	ug/Kg
91-58-7	2-Chloronaphthalene	2000		22.3	170	ug/Kg
88-74-4	2-Nitroaniline	47.8	U	47.8	170	ug/Kg
131-11-3	Dimethylphthalate	2400		26.9	170	ug/Kg
208-96-8	Acenaphthylene	660		28.7	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.4	U	33.4	170	ug/Kg
99-09-2	3-Nitroaniline	45.7	U	45.7	170	ug/Kg
83-32-9	Acenaphthene	1500		21.2	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	4700	E	110	330	ug/Kg
132-64-9	Dibenzofuran	2400		22.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	49.8	U	49.8	170	ug/Kg
84-66-2	Diethylphthalate	4300	E	28.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.5	U	26.5	170	ug/Kg
86-73-7	Fluorene	4100	E	25.1	170	ug/Kg
100-01-6	4-Nitroaniline	63.8	U	63.8	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.7	U	32.7	170	ug/Kg
103-33-3	Azobenzene	29.0	U	29.0	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2600	Q	27.6	170	ug/Kg
118-74-1	Hexachlorobenzene	25.1	UQ	25.1	170	ug/Kg
1912-24-9	Atrazine	33.8	U	33.8	170	ug/Kg
87-86-5	Pentachlorophenol	3200	EQ	50.9	330	ug/Kg
85-01-8	Phenanthrene	20.8	U	20.8	170	ug/Kg
120-12-7	Anthracene	990		33.1	170	ug/Kg
86-74-8	Carbazole	3500	E	31.0	170	ug/Kg

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84-74-2	Di-n-butylphthalate	3900	E	47.6	170	ug/Kg
206-44-0	Fluoranthene	4100	E	29.8	170	ug/Kg
92-87-5	Benzidine	150	UQ	150	330	ug/Kg
129-00-0	Pyrene	35.7	U	35.7	170	ug/Kg
85-68-7	Butylbenzylphthalate	70.9	U	70.9	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.4	U	36.4	330	ug/Kg
56-55-3	Benzo(a)anthracene	22.8	U	22.8	170	ug/Kg
218-01-9	Chrysene	1800		19.8	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4900	E	58.8	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.2	U	86.2	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		18.9	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	22.2	U	22.2	170	ug/Kg
50-32-8	Benzo(a)pyrene	930		29.3	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		28.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		27.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.4	U	25.4	170	ug/Kg
123-91-1	1,4-Dioxane	44.9	U	44.9	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3200	E	27.2	170	ug/Kg
90-12-0	1-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.7		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	80.8		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.9		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.0		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	53.3		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000		7.664		
1146-65-2	Naphthalene-d8	489000		10.434		

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15067-26-2	Acenaphthene-d10	323000	14.293			
1517-22-2	Phenanthrene-d10	641000	17.081			
1719-03-5	Chrysene-d12	728000	21.522			
1520-96-3	Perylene-d12	904000	24.798			

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