

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: NB-07-111725MSD
Lab Sample ID: Q3658-01MSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/18/25

Date Collected: 11/17/25
Date Received: 11/17/25
SDG No.: Q3483
Matrix: SOIL
% Solid: 90.9
Test: SVOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
62-75-9	n-Nitrosodimethylamine	890		1	22.1	220	ug/Kg	11/18/25 17:01	PB170598
110-86-1	Pyridine	770		1	25.9	110	ug/Kg	11/18/25 17:01	PB170598
100-52-7	Benzaldehyde	640		1	100	220	ug/Kg	11/18/25 17:01	PB170598
62-53-3	Aniline	400		1	32.8	110	ug/Kg	11/18/25 17:01	PB170598
108-95-2	Phenol	1000		1	14.6	110	ug/Kg	11/18/25 17:01	PB170598
111-44-4	bis(2-Chloroethyl)ether	960		1	16.0	110	ug/Kg	11/18/25 17:01	PB170598
95-57-8	2-Chlorophenol	1000		1	16.1	110	ug/Kg	11/18/25 17:01	PB170598
95-50-1	1,2-Dichlorobenzene	1000		1	12.8	110	ug/Kg	11/18/25 17:01	PB170598
541-73-1	1,3-Dichlorobenzene	990		1	11.7	110	ug/Kg	11/18/25 17:01	PB170598
106-46-7	1,4-Dichlorobenzene	1000		1	12.1	110	ug/Kg	11/18/25 17:01	PB170598
100-51-6	Benzyl Alcohol	1000		1	32.0	220	ug/Kg	11/18/25 17:01	PB170598
95-48-7	2-Methylphenol	1000		1	19.7	110	ug/Kg	11/18/25 17:01	PB170598
108-60-1	2,2-oxybis(1-Chloropropane)	920		1	24.7	110	ug/Kg	11/18/25 17:01	PB170598
98-86-2	Acetophenone	960		1	19.5	110	ug/Kg	11/18/25 17:01	PB170598
65794-96-9	3+4-Methylphenols	1000		1	27.1	220	ug/Kg	11/18/25 17:01	PB170598
621-64-7	n-Nitroso-di-n-propylamine	970		1	31.3	52.8	ug/Kg	11/18/25 17:01	PB170598
67-72-1	Hexachloroethane	990		1	11.6	110	ug/Kg	11/18/25 17:01	PB170598
98-95-3	Nitrobenzene	980		1	12.1	110	ug/Kg	11/18/25 17:01	PB170598
78-59-1	Isophorone	930		1	21.6	110	ug/Kg	11/18/25 17:01	PB170598
88-75-5	2-Nitrophenol	1100		1	38.4	110	ug/Kg	11/18/25 17:01	PB170598
105-67-9	2,4-Dimethylphenol	990		1	42.8	110	ug/Kg	11/18/25 17:01	PB170598
111-91-1	bis(2-Chloroethoxy)methane	980		1	20.3	110	ug/Kg	11/18/25 17:01	PB170598
120-83-2	2,4-Dichlorophenol	1100		1	18.7	110	ug/Kg	11/18/25 17:01	PB170598
120-82-1	1,2,4-Trichlorobenzene	1000		1	14.9	110	ug/Kg	11/18/25 17:01	PB170598
65-85-0	Benzoic acid	1100		1	130	220	ug/Kg	11/18/25 17:01	PB170598
91-20-3	Naphthalene	970		1	15.0	110	ug/Kg	11/18/25 17:01	PB170598
106-47-8	4-Chloroaniline	260		1	23.4	110	ug/Kg	11/18/25 17:01	PB170598
87-68-3	Hexachlorobutadiene	960		1	16.7	110	ug/Kg	11/18/25 17:01	PB170598
105-60-2	Caprolactam	1000		1	34.4	220	ug/Kg	11/18/25 17:01	PB170598
59-50-7	4-Chloro-3-methylphenol	1100		1	18.9	110	ug/Kg	11/18/25 17:01	PB170598
91-57-6	2-Methylnaphthalene	890		1	16.9	110	ug/Kg	11/18/25 17:01	PB170598
77-47-4	Hexachlorocyclopentadiene	930		1	76.5	220	ug/Kg	11/18/25 17:01	PB170598
88-06-2	2,4,6-Trichlorophenol	1000		1	13.1	110	ug/Kg	11/18/25 17:01	PB170598
95-95-4	2,4,5-Trichlorophenol	1100		1	19.2	110	ug/Kg	11/18/25 17:01	PB170598
92-52-4	1,1-Biphenyl	980		1	14.4	110	ug/Kg	11/18/25 17:01	PB170598
91-58-7	2-Chloronaphthalene	980		1	14.8	110	ug/Kg	11/18/25 17:01	PB170598
88-74-4	2-Nitroaniline	1000		1	31.7	110	ug/Kg	11/18/25 17:01	PB170598
131-11-3	Dimethylphthalate	930		1	17.9	110	ug/Kg	11/18/25 17:01	PB170598
208-96-8	Acenaphthylene	990		1	19.1	110	ug/Kg	11/18/25 17:01	PB170598
606-20-2	2,6-Dinitrotoluene	1100		1	22.2	110	ug/Kg	11/18/25 17:01	PB170598
99-09-2	3-Nitroaniline	630		1	30.4	110	ug/Kg	11/18/25 17:01	PB170598
83-32-9	Acenaphthene	1000		1	14.1	110	ug/Kg	11/18/25 17:01	PB170598

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Test: SVOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
51-28-5	2,4-Dinitrophenol	1400		1	150	220	ug/Kg	11/18/25 17:01	PB170598
100-02-7	4-Nitrophenol	2100	E	1	70.6	220	ug/Kg	11/18/25 17:01	PB170598
132-64-9	Dibenzofuran	990		1	15.0	110	ug/Kg	11/18/25 17:01	PB170598
121-14-2	2,4-Dinitrotoluene	1000		1	33.1	110	ug/Kg	11/18/25 17:01	PB170598
84-66-2	Diethylphthalate	950		1	18.7	110	ug/Kg	11/18/25 17:01	PB170598
7005-72-3	4-Chlorophenyl-phenylether	950		1	17.6	110	ug/Kg	11/18/25 17:01	PB170598
86-73-7	Fluorene	960		1	16.7	110	ug/Kg	11/18/25 17:01	PB170598
100-01-6	4-Nitroaniline	880		1	42.4	110	ug/Kg	11/18/25 17:01	PB170598
534-52-1	4,6-Dinitro-2-methylphenol	890		1	68.0	220	ug/Kg	11/18/25 17:01	PB170598
86-30-6	n-Nitrosodiphenylamine	1100		1	21.7	110	ug/Kg	11/18/25 17:01	PB170598
103-33-3	Azobenzene	1100		1	19.3	110	ug/Kg	11/18/25 17:01	PB170598
101-55-3	4-Bromophenyl-phenylether	1100		1	18.3	110	ug/Kg	11/18/25 17:01	PB170598
118-74-1	Hexachlorobenzene	1100		1	16.7	110	ug/Kg	11/18/25 17:01	PB170598
1912-24-9	Atrazine	1000		1	22.4	110	ug/Kg	11/18/25 17:01	PB170598
87-86-5	Pentachlorophenol	2200	E	1	33.8	220	ug/Kg	11/18/25 17:01	PB170598
85-01-8	Phenanthrene	1000		1	13.8	110	ug/Kg	11/18/25 17:01	PB170598
120-12-7	Anthracene	1000		1	22.0	110	ug/Kg	11/18/25 17:01	PB170598
86-74-8	Carbazole	980		1	20.6	110	ug/Kg	11/18/25 17:01	PB170598
84-74-2	Di-n-butylphthalate	1000		1	31.6	110	ug/Kg	11/18/25 17:01	PB170598
206-44-0	Fluoranthene	890		1	19.8	110	ug/Kg	11/18/25 17:01	PB170598
92-87-5	Benzidine	570		1	97.7	220	ug/Kg	11/18/25 17:01	PB170598
129-00-0	Pyrene	1200		1	23.8	110	ug/Kg	11/18/25 17:01	PB170598
85-68-7	Butylbenzylphthalate	1100		1	47.1	110	ug/Kg	11/18/25 17:01	PB170598
91-94-1	3,3-Dichlorobenzidine	560		1	24.2	220	ug/Kg	11/18/25 17:01	PB170598
56-55-3	Benzo(a)anthracene	1000		1	15.2	110	ug/Kg	11/18/25 17:01	PB170598
218-01-9	Chrysene	1000		1	13.1	110	ug/Kg	11/18/25 17:01	PB170598
117-81-7	Bis(2-ethylhexyl)phthalate	1100		1	39.1	110	ug/Kg	11/18/25 17:01	PB170598
117-84-0	Di-n-octyl phthalate	1100		1	57.3	220	ug/Kg	11/18/25 17:01	PB170598
205-99-2	Benzo(b)fluoranthene	1000		1	12.5	110	ug/Kg	11/18/25 17:01	PB170598
207-08-9	Benzo(k)fluoranthene	1000		1	14.8	110	ug/Kg	11/18/25 17:01	PB170598
50-32-8	Benzo(a)pyrene	1000		1	19.5	110	ug/Kg	11/18/25 17:01	PB170598
193-39-5	Indeno(1,2,3-cd)pyrene	1200		1	19.2	110	ug/Kg	11/18/25 17:01	PB170598
53-70-3	Dibenzo(a,h)anthracene	1100		1	18.1	110	ug/Kg	11/18/25 17:01	PB170598
191-24-2	Benzo(g,h,i)perylene	1200		1	17.0	110	ug/Kg	11/18/25 17:01	PB170598
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		1	16.9	110	ug/Kg	11/18/25 17:01	PB170598
123-91-1	1,4-Dioxane	780		1	29.8	110	ug/Kg	11/18/25 17:01	PB170598
58-90-2	2,3,4,6-Tetrachlorophenol	1100		1	18.1	110	ug/Kg	11/18/25 17:01	PB170598
90-12-0	1-Methylnaphthalene	940		1	17.0	110	ug/Kg	11/18/25 17:01	PB170598

SURROGATES

367-12-4	2-Fluorophenol	98.7		10 - 105	66%	SPK: 150
13127-88-3	Phenol-d6	99.1		10 - 103	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.9		10 - 108	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.3		10 - 108	57%	SPK: 100

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Lab Sample ID:	Q3658-01MSD		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	90.9
Sample Wt/Vol:	50.02 g	Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	SW3541	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
118-79-6	2,4,6-Tribromophenol	93.0			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	72.9			10 - 109	73%	SPK: 100		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	45900							
1146-65-2	Naphthalene-d8	186000							
15067-26-2	Acenaphthene-d10	154000							
1517-22-2	Phenanthrene-d10	347000							
1719-03-5	Chrysene-d12	343000							
1520-96-3	Perylene-d12	372000							

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