

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: PB170598BS
Lab Sample ID: PB170598BS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/18/25

Date Collected:
Date Received:
SDG No.: Q3483
Matrix: SOIL
% Solid: 100
Test: SVOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
62-75-9	n-Nitrosodimethylamine	1300	1	33.5		330	ug/Kg	11/18/25 13:34	PB170598
110-86-1	Pyridine	1000	1	39.2		170	ug/Kg	11/18/25 13:34	PB170598
100-52-7	Benzaldehyde	700	1	160		330	ug/Kg	11/18/25 13:34	PB170598
62-53-3	Aniline	1000	1	49.7		170	ug/Kg	11/18/25 13:34	PB170598
108-95-2	Phenol	1600	1	22.1		170	ug/Kg	11/18/25 13:34	PB170598
111-44-4	bis(2-Chloroethyl)ether	1400	1	24.3		170	ug/Kg	11/18/25 13:34	PB170598
95-57-8	2-Chlorophenol	1500	1	24.4		170	ug/Kg	11/18/25 13:34	PB170598
95-50-1	1,2-Dichlorobenzene	1400	1	19.4		170	ug/Kg	11/18/25 13:34	PB170598
541-73-1	1,3-Dichlorobenzene	1400	1	17.7		170	ug/Kg	11/18/25 13:34	PB170598
106-46-7	1,4-Dichlorobenzene	1400	1	18.3		170	ug/Kg	11/18/25 13:34	PB170598
100-51-6	Benzyl Alcohol	1500	1	48.5		330	ug/Kg	11/18/25 13:34	PB170598
95-48-7	2-Methylphenol	1500	1	29.9		170	ug/Kg	11/18/25 13:34	PB170598
108-60-1	2,2-oxybis(1-Chloropropane)	1300	1	37.5		170	ug/Kg	11/18/25 13:34	PB170598
98-86-2	Acetophenone	1600	1	29.5		170	ug/Kg	11/18/25 13:34	PB170598
65794-96-9	3+4-Methylphenols	1500	1	41.1		330	ug/Kg	11/18/25 13:34	PB170598
621-64-7	n-Nitroso-di-n-propylamine	1400	1	47.4		79.9	ug/Kg	11/18/25 13:34	PB170598
67-72-1	Hexachloroethane	1300	1	17.6		170	ug/Kg	11/18/25 13:34	PB170598
98-95-3	Nitrobenzene	1400	1	18.3		170	ug/Kg	11/18/25 13:34	PB170598
78-59-1	Isophorone	1400	1	32.8		170	ug/Kg	11/18/25 13:34	PB170598
88-75-5	2-Nitrophenol	1500	1	58.1		170	ug/Kg	11/18/25 13:34	PB170598
105-67-9	2,4-Dimethylphenol	1500	1	64.7		170	ug/Kg	11/18/25 13:34	PB170598
111-91-1	bis(2-Chloroethoxy)methane	1400	1	30.8		170	ug/Kg	11/18/25 13:34	PB170598
120-83-2	2,4-Dichlorophenol	1600	1	28.3		170	ug/Kg	11/18/25 13:34	PB170598
120-82-1	1,2,4-Trichlorobenzene	1400	1	22.6		170	ug/Kg	11/18/25 13:34	PB170598
65-85-0	Benzoic acid	1500	1	190		330	ug/Kg	11/18/25 13:34	PB170598
91-20-3	Naphthalene	1400	1	22.7		170	ug/Kg	11/18/25 13:34	PB170598
106-47-8	4-Chloroaniline	730	1	35.4		170	ug/Kg	11/18/25 13:34	PB170598
87-68-3	Hexachlorobutadiene	1300	1	25.3		170	ug/Kg	11/18/25 13:34	PB170598
105-60-2	Caprolactam	1600	1	52.0		330	ug/Kg	11/18/25 13:34	PB170598
59-50-7	4-Chloro-3-methylphenol	1500	1	28.7		170	ug/Kg	11/18/25 13:34	PB170598
91-57-6	2-Methylnaphthalene	1300	1	25.6		170	ug/Kg	11/18/25 13:34	PB170598
77-47-4	Hexachlorocyclopentadiene	2300	1	120		330	ug/Kg	11/18/25 13:34	PB170598
88-06-2	2,4,6-Trichlorophenol	1500	1	19.8		170	ug/Kg	11/18/25 13:34	PB170598
95-95-4	2,4,5-Trichlorophenol	1500	1	29.1		170	ug/Kg	11/18/25 13:34	PB170598
92-52-4	1,1-Biphenyl	1500	1	21.8		170	ug/Kg	11/18/25 13:34	PB170598
91-58-7	2-Chloronaphthalene	1400	1	22.5		170	ug/Kg	11/18/25 13:34	PB170598
88-74-4	2-Nitroaniline	1600	1	48.1		170	ug/Kg	11/18/25 13:34	PB170598
131-11-3	Dimethylphthalate	1400	1	27.1		170	ug/Kg	11/18/25 13:34	PB170598
208-96-8	Acenaphthylene	1400	1	28.9		170	ug/Kg	11/18/25 13:34	PB170598
606-20-2	2,6-Dinitrotoluene	1600	1	33.6		170	ug/Kg	11/18/25 13:34	PB170598
99-09-2	3-Nitroaniline	1200	1	46.0		170	ug/Kg	11/18/25 13:34	PB170598
83-32-9	Acenaphthene	1700	1	21.3		170	ug/Kg	11/18/25 13:34	PB170598

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
51-28-5	2,4-Dinitrophenol	3100	E	1	230	330	ug/Kg	11/18/25 13:34	PB170598
100-02-7	4-Nitrophenol	3400	E	1	110	330	ug/Kg	11/18/25 13:34	PB170598
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	11/18/25 13:34	PB170598
121-14-2	2,4-Dinitrotoluene	1600		1	50.0	170	ug/Kg	11/18/25 13:34	PB170598
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	11/18/25 13:34	PB170598
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	11/18/25 13:34	PB170598
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	11/18/25 13:34	PB170598
100-01-6	4-Nitroaniline	1600		1	64.1	170	ug/Kg	11/18/25 13:34	PB170598
534-52-1	4,6-Dinitro-2-methylphenol	1700		1	100	330	ug/Kg	11/18/25 13:34	PB170598
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	11/18/25 13:34	PB170598
103-33-3	Azobenzene	1500		1	29.2	170	ug/Kg	11/18/25 13:34	PB170598
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	11/18/25 13:34	PB170598
118-74-1	Hexachlorobenzene	1400		1	25.3	170	ug/Kg	11/18/25 13:34	PB170598
1912-24-9	Atrazine	1400		1	34.0	170	ug/Kg	11/18/25 13:34	PB170598
87-86-5	Pentachlorophenol	3100	E	1	51.2	330	ug/Kg	11/18/25 13:34	PB170598
85-01-8	Phenanthrene	1400		1	20.9	170	ug/Kg	11/18/25 13:34	PB170598
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	11/18/25 13:34	PB170598
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	11/18/25 13:34	PB170598
84-74-2	Di-n-butylphthalate	1400		1	47.9	170	ug/Kg	11/18/25 13:34	PB170598
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	11/18/25 13:34	PB170598
92-87-5	Benzidine	600		1	150	330	ug/Kg	11/18/25 13:34	PB170598
129-00-0	Pyrene	1600		1	36.0	170	ug/Kg	11/18/25 13:34	PB170598
85-68-7	Butylbenzylphthalate	1500		1	71.3	170	ug/Kg	11/18/25 13:34	PB170598
91-94-1	3,3-Dichlorobenzidine	980		1	36.7	330	ug/Kg	11/18/25 13:34	PB170598
56-55-3	Benzo(a)anthracene	1400		1	23.0	170	ug/Kg	11/18/25 13:34	PB170598
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	11/18/25 13:34	PB170598
117-81-7	Bis(2-ethylhexyl)phthalate	1400		1	59.1	170	ug/Kg	11/18/25 13:34	PB170598
117-84-0	Di-n-octyl phthalate	1400		1	86.7	330	ug/Kg	11/18/25 13:34	PB170598
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	11/18/25 13:34	PB170598
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	11/18/25 13:34	PB170598
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	11/18/25 13:34	PB170598
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	11/18/25 13:34	PB170598
53-70-3	Dibenzo(a,h)anthracene	1600		1	27.4	170	ug/Kg	11/18/25 13:34	PB170598
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	11/18/25 13:34	PB170598
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	11/18/25 13:34	PB170598
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	11/18/25 13:34	PB170598
58-90-2	2,3,4,6-Tetrachlorophenol	1700		1	27.4	170	ug/Kg	11/18/25 13:34	PB170598
90-12-0	1-Methylnaphthalene	1300		1	25.8	170	ug/Kg	11/18/25 13:34	PB170598

SURROGATES

367-12-4	2-Fluorophenol	130			10 - 105	86%	SPK: 150
13127-88-3	Phenol-d6	131			10 - 103	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.2			10 - 108	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.9			10 - 108	76%	SPK: 100

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Lab Sample ID:	PB170598BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	SW3541	Prep Date: 11/18/25		

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118-79-6	2,4,6-Tribromophenol	126			10 - 116	84%	SPK: 150		
1718-51-0	Terphenyl-d14	83.7			10 - 109	84%	SPK: 100		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	43200							
1146-65-2	Naphthalene-d8	174000							
15067-26-2	Acenaphthene-d10	142000							
1517-22-2	Phenanthrene-d10	368000							
1719-03-5	Chrysene-d12	443000							
1520-96-3	Perylene-d12	396000							

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