

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: HW1025-PT-BNA-SOILDL
Lab Sample ID: Q3483-11DL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 29.85 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/18/25

Date Collected: 10/27/25
Date Received: 10/29/25
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	170	UD	5	170	1700	ug/Kg	11/26/25 18:32	PB170598
110-86-1	Pyridine	200	UD	5	200	850	ug/Kg	11/26/25 18:32	PB170598
100-52-7	Benzaldehyde	780	UD	5	780	1700	ug/Kg	11/26/25 18:32	PB170598
62-53-3	Aniline	250	UD	5	250	850	ug/Kg	11/26/25 18:32	PB170598
108-95-2	Phenol	940	D	5	110	850	ug/Kg	11/26/25 18:32	PB170598
111-44-4	bis(2-Chloroethyl)ether	5100	D	5	120	850	ug/Kg	11/26/25 18:32	PB170598
95-57-8	2-Chlorophenol	120	UD	5	120	850	ug/Kg	11/26/25 18:32	PB170598
95-50-1	1,2-Dichlorobenzene	1900	D	5	97.5	850	ug/Kg	11/26/25 18:32	PB170598
541-73-1	1,3-Dichlorobenzene	4500	D	5	88.9	850	ug/Kg	11/26/25 18:32	PB170598
106-46-7	1,4-Dichlorobenzene	3200	D	5	92.0	850	ug/Kg	11/26/25 18:32	PB170598
100-51-6	Benzyl Alcohol	240	UD	5	240	1700	ug/Kg	11/26/25 18:32	PB170598
95-48-7	2-Methylphenol	150	UD	5	150	850	ug/Kg	11/26/25 18:32	PB170598
108-60-1	2,2-oxybis(1-Chloropropane)	190	UD	5	190	850	ug/Kg	11/26/25 18:32	PB170598
98-86-2	Acetophenone	150	UD	5	150	850	ug/Kg	11/26/25 18:32	PB170598
65794-96-9	3+4-Methylphenols	210	UD	5	210	1700	ug/Kg	11/26/25 18:32	PB170598
621-64-7	n-Nitroso-di-n-propylamine	5500	D	5	240	400	ug/Kg	11/26/25 18:32	PB170598
67-72-1	Hexachloroethane	1600	D	5	88.4	850	ug/Kg	11/26/25 18:32	PB170598
98-95-3	Nitrobenzene	92.0	UD	5	92.0	850	ug/Kg	11/26/25 18:32	PB170598
78-59-1	Isophorone	1800	D	5	160	850	ug/Kg	11/26/25 18:32	PB170598
88-75-5	2-Nitrophenol	290	UD	5	290	850	ug/Kg	11/26/25 18:32	PB170598
105-67-9	2,4-Dimethylphenol	330	UD	5	330	850	ug/Kg	11/26/25 18:32	PB170598
111-91-1	bis(2-Chloroethoxy)methane	150	UD	5	150	850	ug/Kg	11/26/25 18:32	PB170598
120-83-2	2,4-Dichlorophenol	140	UD	5	140	850	ug/Kg	11/26/25 18:32	PB170598
120-82-1	1,2,4-Trichlorobenzene	4100	D	5	110	850	ug/Kg	11/26/25 18:32	PB170598
65-85-0	Benzoic acid	950	UD	5	950	1700	ug/Kg	11/26/25 18:32	PB170598
91-20-3	Naphthalene	3800	D	5	110	850	ug/Kg	11/26/25 18:32	PB170598
106-47-8	4-Chloroaniline	180	UD	5	180	850	ug/Kg	11/26/25 18:32	PB170598
87-68-3	Hexachlorobutadiene	4700	D	5	130	850	ug/Kg	11/26/25 18:32	PB170598
105-60-2	Caprolactam	260	UD	5	260	1700	ug/Kg	11/26/25 18:32	PB170598
59-50-7	4-Chloro-3-methylphenol	2500	D	5	140	850	ug/Kg	11/26/25 18:32	PB170598
91-57-6	2-Methylnaphthalene	4700	D	5	130	850	ug/Kg	11/26/25 18:32	PB170598
77-47-4	Hexachlorocyclopentadiene	580	UD	5	580	1700	ug/Kg	11/26/25 18:32	PB170598
88-06-2	2,4,6-Trichlorophenol	4100	D	5	99.5	850	ug/Kg	11/26/25 18:32	PB170598
95-95-4	2,4,5-Trichlorophenol	4300	D	5	150	850	ug/Kg	11/26/25 18:32	PB170598
92-52-4	1,1-Biphenyl	110	UD	5	110	850	ug/Kg	11/26/25 18:32	PB170598
91-58-7	2-Chloronaphthalene	110	UD	5	110	850	ug/Kg	11/26/25 18:32	PB170598
88-74-4	2-Nitroaniline	240	UD	5	240	850	ug/Kg	11/26/25 18:32	PB170598
131-11-3	Dimethylphthalate	4500	D	5	140	850	ug/Kg	11/26/25 18:32	PB170598
208-96-8	Acenaphthylene	2100	D	5	150	850	ug/Kg	11/26/25 18:32	PB170598
606-20-2	2,6-Dinitrotoluene	170	UD	5	170	850	ug/Kg	11/26/25 18:32	PB170598
99-09-2	3-Nitroaniline	230	UD	5	230	850	ug/Kg	11/26/25 18:32	PB170598
83-32-9	Acenaphthene	3400	D	5	110	850	ug/Kg	11/26/25 18:32	PB170598

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Lab Sample ID: Q3483-11DL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 29.85 g Final Vol: 1000 uL
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SDG No.: Q3483
Matrix: SOIL
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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	1200	UD	5	1200	1700	ug/Kg	11/26/25 18:32	PB170598
100-02-7	4-Nitrophenol	2500	D	5	540	1700	ug/Kg	11/26/25 18:32	PB170598
132-64-9	Dibenzofuran	3100	D	5	110	850	ug/Kg	11/26/25 18:32	PB170598
121-14-2	2,4-Dinitrotoluene	2700	D	5	250	850	ug/Kg	11/26/25 18:32	PB170598
84-66-2	Diethylphthalate	5500	D	5	140	850	ug/Kg	11/26/25 18:32	PB170598
7005-72-3	4-Chlorophenyl-phenylether	130	UD	5	130	850	ug/Kg	11/26/25 18:32	PB170598
86-73-7	Fluorene	5100	D	5	130	850	ug/Kg	11/26/25 18:32	PB170598
100-01-6	4-Nitroaniline	320	UD	5	320	850	ug/Kg	11/26/25 18:32	PB170598
534-52-1	4,6-Dinitro-2-methylphenol	520	UD	5	520	1700	ug/Kg	11/26/25 18:32	PB170598
86-30-6	n-Nitrosodiphenylamine	170	UD	5	170	850	ug/Kg	11/26/25 18:32	PB170598
103-33-3	Azobenzene	150	UD	5	150	850	ug/Kg	11/26/25 18:32	PB170598
101-55-3	4-Bromophenyl-phenylether	140	UD	5	140	850	ug/Kg	11/26/25 18:32	PB170598
118-74-1	Hexachlorobenzene	3600	D	5	130	850	ug/Kg	11/26/25 18:32	PB170598
1912-24-9	Atrazine	170	UD	5	170	850	ug/Kg	11/26/25 18:32	PB170598
87-86-5	Pentachlorophenol	3400	D	5	260	1700	ug/Kg	11/26/25 18:32	PB170598
85-01-8	Phenanthrene	110	UD	5	110	850	ug/Kg	11/26/25 18:32	PB170598
120-12-7	Anthracene	2300	D	5	170	850	ug/Kg	11/26/25 18:32	PB170598
86-74-8	Carbazole	1300	D	5	160	850	ug/Kg	11/26/25 18:32	PB170598
84-74-2	Di-n-butylphthalate	240	UD	5	240	850	ug/Kg	11/26/25 18:32	PB170598
206-44-0	Fluoranthene	150	UD	5	150	850	ug/Kg	11/26/25 18:32	PB170598
92-87-5	Benzydine	740	UD	5	740	1700	ug/Kg	11/26/25 18:32	PB170598
129-00-0	Pyrene	180	UD	5	180	850	ug/Kg	11/26/25 18:32	PB170598
85-68-7	Butylbenzylphthalate	2500	D	5	360	850	ug/Kg	11/26/25 18:32	PB170598
91-94-1	3,3-Dichlorobenzidine	180	UD	5	180	1700	ug/Kg	11/26/25 18:32	PB170598
56-55-3	Benzo(a)anthracene	2700	D	5	120	850	ug/Kg	11/26/25 18:32	PB170598
218-01-9	Chrysene	1300	D	5	100	850	ug/Kg	11/26/25 18:32	PB170598
117-81-7	Bis(2-ethylhexyl)phthalate	300	UD	5	300	850	ug/Kg	11/26/25 18:32	PB170598
117-84-0	Di-n-octyl phthalate	4600	D	5	440	1700	ug/Kg	11/26/25 18:32	PB170598
205-99-2	Benzo(b)fluoranthene	1500	D	5	95.5	850	ug/Kg	11/26/25 18:32	PB170598
207-08-9	Benzo(k)fluoranthene	3200	D	5	110	850	ug/Kg	11/26/25 18:32	PB170598
50-32-8	Benzo(a)pyrene	2900	D	5	150	850	ug/Kg	11/26/25 18:32	PB170598
193-39-5	Indeno(1,2,3-cd)pyrene	150	UD	5	150	850	ug/Kg	11/26/25 18:32	PB170598
53-70-3	Dibenzo(a,h)anthracene	140	UD	5	140	850	ug/Kg	11/26/25 18:32	PB170598
191-24-2	Benzo(g,h,i)perylene	130	UD	5	130	850	ug/Kg	11/26/25 18:32	PB170598
95-94-3	1,2,4,5-Tetrachlorobenzene	130	UD	5	130	850	ug/Kg	11/26/25 18:32	PB170598
123-91-1	1,4-Dioxane	230	UD	5	230	850	ug/Kg	11/26/25 18:32	PB170598
58-90-2	2,3,4,6-Tetrachlorophenol	3400	D	5	140	850	ug/Kg	11/26/25 18:32	PB170598
90-12-0	1-Methylnaphthalene	130	UD	5	130	850	ug/Kg	11/26/25 18:32	PB170598

SURROGATES

367-12-4	2-Fluorophenol	69.6		10 - 105	46%	SPK: 150
13127-88-3	Phenol-d6	73.3		10 - 103	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		10 - 108	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.5		10 - 108	65%	SPK: 100

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Project:	NJ Soil PT		Date Received:	10/29/25
Client Sample ID:	HW1025-PT-BNA-SOILDL		SDG No.:	Q3483
Lab Sample ID:	Q3483-11DL		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	29.85 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	113			10 - 116	76%	SPK: 150		
1718-51-0	Terphenyl-d14	81.7			10 - 109	82%	SPK: 100		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	290000							
1146-65-2	Naphthalene-d8	1230000							
15067-26-2	Acenaphthene-d10	837000							
1517-22-2	Phenanthrene-d10	1750000							
1719-03-5	Chrysene-d12	1870000							
1520-96-3	Perylene-d12	2120000							

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