

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: HW1025-PT-PAH-SOIL
Lab Sample ID: Q3483-13
Analytical Method: SW8270ESIM Level: LOW
Sample Wt/Vol: 30.21 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 Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	320	E	1	1.20	3.30	ug/Kg	12/01/25 14:56	PB170590
91-57-6	2-Methylnaphthalene	200	E	1	1.20	3.30	ug/Kg	12/01/25 14:56	PB170590
208-96-8	Acenaphthylene	490	E	1	1.10	3.30	ug/Kg	12/01/25 14:56	PB170590
83-32-9	Acenaphthene	270	E	1	1.10	3.30	ug/Kg	12/01/25 14:56	PB170590
86-73-7	Fluorene	63.0		1	1.10	3.30	ug/Kg	12/01/25 14:56	PB170590
85-01-8	Phenanthrene	580	E	1	1.20	3.30	ug/Kg	12/01/25 14:56	PB170590
120-12-7	Anthracene	590	E	1	1.20	3.30	ug/Kg	12/01/25 14:56	PB170590
206-44-0	Fluoranthene	81.1		1	1.20	3.30	ug/Kg	12/01/25 14:56	PB170590
129-00-0	Pyrene	130		1	1.10	3.30	ug/Kg	12/01/25 14:56	PB170590
56-55-3	Benzo(a)anthracene	100		1	1.30	3.30	ug/Kg	12/01/25 14:56	PB170590
218-01-9	Chrysene	77.5		1	1.40	3.30	ug/Kg	12/01/25 14:56	PB170590
205-99-2	Benzo(b)fluoranthene	210	E	1	1.60	3.30	ug/Kg	12/01/25 14:56	PB170590
207-08-9	Benzo(k)fluoranthene	220	E	1	1.80	3.30	ug/Kg	12/01/25 14:56	PB170590
50-32-8	Benzo(a)pyrene	180	E	1	1.40	3.30	ug/Kg	12/01/25 14:56	PB170590
193-39-5	Indeno(1,2,3-cd)pyrene	65.6		1	1.80	3.30	ug/Kg	12/01/25 14:56	PB170590
53-70-3	Dibenzo(a,h)anthracene	160		1	1.80	3.30	ug/Kg	12/01/25 14:56	PB170590
191-24-2	Benzo(g,h,i)perylene	170	E	1	1.70	3.30	ug/Kg	12/01/25 14:56	PB170590
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.31			17 - 161	78%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.38			23 - 138	95%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			33 - 121	81%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.36			32 - 121	91%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			21 - 130	111%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8240							
1146-65-2	Naphthalene-d8	26600							
15067-26-2	Acenaphthene-d10	15100							
1517-22-2	Phenanthrene-d10	26400							
1719-03-5	Chrysene-d12	15700							
1520-96-3	Perylene-d12	15200							

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