

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-PAH-SOILDL		SDG No.:	Q1872
Lab Sample ID:	Q1872-13DL		Matrix:	SOIL
Analytical Method:	SW8270ESIM		% Solid:	100
Sample Wt/Vol:	30.15	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group3
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
BN037014.D	10	05/08/25 10:03	05/14/25 15:48	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	91.9	D	11.5	32.8	ug/Kg
91-57-6	2-Methylnaphthalene	210	D	11.8	32.8	ug/Kg
208-96-8	Acenaphthylene	450	D	10.7	32.8	ug/Kg
83-32-9	Acenaphthene	320	D	11.1	32.8	ug/Kg
86-73-7	Fluorene	180	D	11.2	32.8	ug/Kg
85-01-8	Phenanthrene	90.2	D	11.5	32.8	ug/Kg
120-12-7	Anthracene	85.9	D	12.1	32.8	ug/Kg
206-44-0	Fluoranthene	140	D	11.8	32.8	ug/Kg
129-00-0	Pyrene	250	D	10.7	32.8	ug/Kg
56-55-3	Benzo(a)anthracene	41.1	D	12.8	32.8	ug/Kg
218-01-9	Chrysene	250	D	13.6	32.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	D	15.7	32.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	D	18.3	32.8	ug/Kg
50-32-8	Benzo(a)pyrene	200	D	14.2	32.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	D	17.7	32.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	220	D	17.9	32.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68.7	D	16.8	32.8	ug/Kg

SURROGATES

7297-45-2	2-Methylnaphthalene-d10	0.30		17 - 161	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		23 - 138	77%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		33 - 121	60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		32 - 121	63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.34		21 - 130	85%	SPK: 0.4

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	2220	7.611
1146-65-2	Naphthalene-d8	6520	10.394
15067-26-2	Acenaphthene-d10	3840	14.267
1517-22-2	Phenanthrene-d10	7560	17.009
1719-03-5	Chrysene-d12	6830	21.206

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1520-96-3	Perylene-d12	6320	23.415			

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