

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/03/25
Project:	NJ Waste Water PT		Date Received:	03/05/25
Client Sample ID:	RR-PAH-WPDL		SDG No.:	Q1502
Lab Sample ID:	Q1502-21DL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group5
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036604.D	5	03/13/25 12:40	03/14/25 12:11	PB167128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	9.10	D	0.20	0.50	ug/L
208-96-8	Acenaphthylene	4.10	D	0.19	0.50	ug/L
83-32-9	Acenaphthene	13.5	D	0.19	0.50	ug/L
86-73-7	Fluorene	3.90	D	0.19	0.50	ug/L
85-01-8	Phenanthrene	3.00	D	0.17	0.50	ug/L
120-12-7	Anthracene	3.30	D	0.18	0.50	ug/L
206-44-0	Fluoranthene	4.00	D	0.17	0.50	ug/L
129-00-0	Pyrene	2.60	D	0.16	0.50	ug/L
56-55-3	Benzo(a)anthracene	0.78	D	0.18	0.50	ug/L
218-01-9	Chrysene	4.60	D	0.19	0.50	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	D	0.18	0.50	ug/L
207-08-9	Benzo(k)fluoranthene	1.40	D	0.25	0.50	ug/L
50-32-8	Benzo(a)pyrene	1.90	D	0.21	0.50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.50	D	0.23	0.50	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	D	0.24	0.50	ug/L
191-24-2	Benzo(g,h,i)perylene	2.10	D	0.21	0.50	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		20 - 139	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150	110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		27 - 154	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		25 - 149	70%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		54 - 175	96%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1710		7.717		
1146-65-2	Naphthalene-d8	4150		10.509		
15067-26-2	Acenaphthene-d10	2480		14.356		
1517-22-2	Phenanthrene-d10	4430		17.111		
1719-03-5	Chrysene-d12	3510		21.295		
1520-96-3	Perylene-d12	3170		23.554		

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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