

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Somerset HQ	Date Received:	05/28/25
Client Sample ID:	VNJ-215	SDG No.:	Q2141
Lab Sample ID:	Q2141-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-PAH
		Final Vol:	1000
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024835.D	1	05/29/25 09:45	05/29/25 19:08	PB168198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.10	U	0.014	0.10	mg/Kg
208-96-8	Acenaphthylene	0.10	U	0.017	0.10	mg/Kg
83-32-9	Acenaphthene	0.10	U	0.013	0.10	mg/Kg
86-73-7	Fluorene	0.10	U	0.015	0.10	mg/Kg
85-01-8	Phenanthrene	0.10	U	0.013	0.10	mg/Kg
120-12-7	Anthracene	0.10	U	0.020	0.10	mg/Kg
206-44-0	Fluoranthene	0.10	U	0.018	0.10	mg/Kg
129-00-0	Pyrene	0.10	U	0.022	0.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.10	U	0.014	0.10	mg/Kg
218-01-9	Chrysene	0.10	U	0.012	0.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.10	U	0.011	0.10	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.10	U	0.013	0.10	mg/Kg
50-32-8	Benzo(a)pyrene	0.10	U	0.018	0.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	U	0.017	0.10	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.10	U	0.016	0.10	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	U	0.015	0.10	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	42.9		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		20 - 109	46%	SPK: 100
1718-51-0	Terphenyl-d14	47.3		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	103000		7.646		
1146-65-2	Naphthalene-d8	412000		10.416		
15067-26-2	Acenaphthene-d10	270000		14.281		
1517-22-2	Phenanthrene-d10	603000		17.075		
1719-03-5	Chrysene-d12	819000		21.498		
1520-96-3	Perylene-d12	970000		24.774		

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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