

Report of Analysis

Client:	PSEG	Date Collected:	08/14/25
Project:	Elizabeth Sub HQ	Date Received:	08/14/25
Client Sample ID:	ELI-HQ-CONCRETE	SDG No.:	Q2874
Lab Sample ID:	Q2874-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF143443.D	1	08/18/25 09:06	08/18/25 16:04	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.11	U	0.015	0.11	mg/Kg
208-96-8	Acenaphthylene	0.11	U	0.019	0.11	mg/Kg
83-32-9	Acenaphthene	0.11	U	0.014	0.11	mg/Kg
86-73-7	Fluorene	0.11	U	0.016	0.11	mg/Kg
85-01-8	Phenanthrene	0.11	U	0.013	0.11	mg/Kg
120-12-7	Anthracene	0.11	U	0.021	0.11	mg/Kg
206-44-0	Fluoranthene	0.11	U	0.019	0.11	mg/Kg
129-00-0	Pyrene	0.11	U	0.023	0.11	mg/Kg
56-55-3	Benzo(a)anthracene	0.11	U	0.015	0.11	mg/Kg
218-01-9	Chrysene	0.11	U	0.013	0.11	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.11	U	0.012	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.11	U	0.014	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	0.11	U	0.019	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	0.019	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.11	U	0.018	0.11	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.11	U	0.016	0.11	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.1		20 - 109	59%	SPK: 100
1718-51-0	Terphenyl-d14	41.7		10 - 105	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	97600	6.928			
1146-65-2	Naphthalene-d8	342000	8.204			
15067-26-2	Acenaphthene-d10	170000	9.957			
1517-22-2	Phenanthrene-d10	262000	11.445			
1719-03-5	Chrysene-d12	278000	14.08			
1520-96-3	Perylene-d12	300000	15.574			

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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