

Report of Analysis

Client:	PSEG	Date Collected:	07/08/25
Project:	40th Street Substation	Date Received:	07/08/25
Client Sample ID:	OLD RETENTION BASIN 40TH	SDG No.:	Q2524
Lab Sample ID:	Q2524-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.02 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
BP025086.D	1	07/09/25 08:55	07/10/25 16:57	PB168767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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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	0.018	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	57.8		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.0		20 - 109	58%	SPK: 100
1718-51-0	Terphenyl-d14	63.0		10 - 105	63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	603000	7.437
1146-65-2	Naphthalene-d8	2460000	10.178
15067-26-2	Acenaphthene-d10	1610000	14.084
1517-22-2	Phenanthrene-d10	3360000	16.895
1719-03-5	Chrysene-d12	3720000	21.336
1520-96-3	Perylene-d12	4070000	24.477

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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