

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Bloomfield Substation	Date Received:	03/24/25
Client Sample ID:	PIER-1-2	SDG No.:	Q1632
Lab Sample ID:	Q1632-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-PAH
	Decanted :	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
BM049778.D	1	03/31/25 08:55	04/01/25 17:27	PB167380

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

91-20-3	Naphthalene	0.11	U	0.014	0.11	mg/Kg
208-96-8	Acenaphthylene	0.11	U	0.018	0.11	mg/Kg
83-32-9	Acenaphthene	0.11	U	0.013	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	0.014	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	0.018	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.11	U	0.017	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	76.4		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		20 - 109	80%	SPK: 100
1718-51-0	Terphenyl-d14	104		10 - 105	104%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	276000	7.792
1146-65-2	Naphthalene-d8	944000	10.586
15067-26-2	Acenaphthene-d10	613000	14.433
1517-22-2	Phenanthrene-d10	1130000	17.174
1719-03-5	Chrysene-d12	855000	21.403
1520-96-3	Perylene-d12	784000	24.409

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		Final Vol:	1000
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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