

Report of Analysis

Client:	PSEG	Date Collected:	10/07/25
Project:	Irvington ROC Project	Date Received:	10/07/25
Client Sample ID:	S-44(0-0.5)	SDG No.:	Q3309
Lab Sample ID:	Q3309-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143902.D	2	10/08/25 09:15	10/08/25 18:35	PB170020

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.23	U	0.031	0.23	mg/Kg
208-96-8	Acenaphthylene	0.23	U	0.039	0.23	mg/Kg
83-32-9	Acenaphthene	0.23	U	0.029	0.23	mg/Kg
86-73-7	Fluorene	0.23	U	0.034	0.23	mg/Kg
85-01-8	Phenanthrene	0.41		0.028	0.23	mg/Kg
120-12-7	Anthracene	0.23	U	0.045	0.23	mg/Kg
206-44-0	Fluoranthene	0.74		0.041	0.23	mg/Kg
129-00-0	Pyrene	0.54		0.049	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	0.40		0.031	0.23	mg/Kg
218-01-9	Chrysene	0.39		0.027	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.49		0.026	0.23	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.16	J	0.030	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.38		0.040	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	J	0.040	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.23	U	0.037	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.15	J	0.035	0.23	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	49.6		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.9		20 - 109	51%	SPK: 100
1718-51-0	Terphenyl-d14	36.5		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	113000	6.881			
1146-65-2	Naphthalene-d8	428000	8.163			
15067-26-2	Acenaphthene-d10	225000	9.922			
1517-22-2	Phenanthrene-d10	346000	11.41			
1719-03-5	Chrysene-d12	289000	14.057			
1520-96-3	Perylene-d12	274000	15.539			

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Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	50.04	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		

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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