

Report of Analysis

Client:	PSEG	Date Collected:	10/07/25
Project:	Irvington ROC Project	Date Received:	10/07/25
Client Sample ID:	S-33(0-0.5)	SDG No.:	Q3307
Lab Sample ID:	Q3307-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.9
Sample Wt/Vol:	50.05	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
BF143905.D	5	10/08/25 09:15	10/08/25 20:03	PB170020

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.57	U	0.077	0.57	mg/Kg
208-96-8	Acenaphthylene	0.57	U	0.097	0.57	mg/Kg
83-32-9	Acenaphthene	0.57	U	0.072	0.57	mg/Kg
86-73-7	Fluorene	0.57	U	0.085	0.57	mg/Kg
85-01-8	Phenanthrene	0.99		0.071	0.57	mg/Kg
120-12-7	Anthracene	0.24	J	0.11	0.57	mg/Kg
206-44-0	Fluoranthene	1.30		0.10	0.57	mg/Kg
129-00-0	Pyrene	0.90		0.12	0.57	mg/Kg
56-55-3	Benzo(a)anthracene	0.62		0.078	0.57	mg/Kg
218-01-9	Chrysene	0.62		0.067	0.57	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.75		0.064	0.57	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.23	J	0.076	0.57	mg/Kg
50-32-8	Benzo(a)pyrene	0.58		0.100	0.57	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.57	U	0.098	0.57	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.57	U	0.092	0.57	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.26	J	0.087	0.57	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	22.5		18 - 107	22%	SPK: 100
321-60-8	2-Fluorobiphenyl	27.7		20 - 109	28%	SPK: 100
1718-51-0	Terphenyl-d14	21.1		10 - 105	21%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000		6.881		
1146-65-2	Naphthalene-d8	431000		8.163		
15067-26-2	Acenaphthene-d10	225000		9.922		
1517-22-2	Phenanthrene-d10	352000		11.41		
1719-03-5	Chrysene-d12	302000		14.057		
1520-96-3	Perylene-d12	246000		15.539		

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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