

Report of Analysis

Client:	PSEG	Date Collected:	09/29/25
Project:	Irvington ROC Project	Date Received:	09/30/25
Client Sample ID:	S-12(0-0.5)R	SDG No.:	Q3249
Lab Sample ID:	Q3249-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	2000 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
BF143873.D	5	10/02/25 10:00	10/02/25 23:59	PB169953

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

91-20-3	Naphthalene	1.30	U	0.17	1.30	mg/Kg
208-96-8	Acenaphthylene	1.30	U	0.21	1.30	mg/Kg
83-32-9	Acenaphthene	1.00	J	0.16	1.30	mg/Kg
86-73-7	Fluorene	1.10	J	0.19	1.30	mg/Kg
85-01-8	Phenanthrene	11.8		0.15	1.30	mg/Kg
120-12-7	Anthracene	2.30		0.25	1.30	mg/Kg
206-44-0	Fluoranthene	12.5		0.22	1.30	mg/Kg
129-00-0	Pyrene	12.7		0.27	1.30	mg/Kg
56-55-3	Benzo(a)anthracene	7.50		0.17	1.30	mg/Kg
218-01-9	Chrysene	7.90		0.15	1.30	mg/Kg
205-99-2	Benzo(b)fluoranthene	6.30		0.14	1.30	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.90		0.17	1.30	mg/Kg
50-32-8	Benzo(a)pyrene	6.00		0.22	1.30	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.60		0.21	1.30	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.61	J	0.20	1.30	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.90		0.19	1.30	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	95.8		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		20 - 109	103%	SPK: 100
1718-51-0	Terphenyl-d14	84.4		10 - 105	84%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	91500	6.887
1146-65-2	Naphthalene-d8	332000	8.163
15067-26-2	Acenaphthene-d10	171000	9.922
1517-22-2	Phenanthrene-d10	305000	11.41
1719-03-5	Chrysene-d12	373000	14.057
1520-96-3	Perylene-d12	483000	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