

Report of Analysis

Client:	PSEG	Date Collected:	09/08/25
Project:	Irvington Sub HQ	Date Received:	09/08/25
Client Sample ID:	IRV-CONCRETE	SDG No.:	Q3046
Lab Sample ID:	Q3046-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.05 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
BG064340.D	1	09/10/25 09:20	09/10/25 20:10	PB169633

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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	0.017	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	27.4		18 - 107	27%	SPK: 100
321-60-8	2-Fluorobiphenyl	27.8		20 - 109	28%	SPK: 100
1718-51-0	Terphenyl-d14	29.8		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	20200		7.848		
1146-65-2	Naphthalene-d8	87000		10.627		
15067-26-2	Acenaphthene-d10	63800		14.47		
1517-22-2	Phenanthrene-d10	155000		17.208		
1719-03-5	Chrysene-d12	180000		21.438		
1520-96-3	Perylene-d12	200000		24.44		

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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