

Report of Analysis

Client: PSEG
Project: PSEG Federal Square SGMO
Client Sample ID: FED-FOOTING
Lab Sample ID: Q3829-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 12/11/25

Date Collected: 12/10/25
Date Received: 12/10/25
SDG No.: Q3829
Matrix: SOIL
% Solid: 100
Test: SVOC-PAH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	0.10	U	1	0.014	0.10	mg/Kg	12/11/25 21:40	PB170902
208-96-8	Acenaphthylene	0.10	U	1	0.017	0.10	mg/Kg	12/11/25 21:40	PB170902
83-32-9	Acenaphthene	0.10	U	1	0.013	0.10	mg/Kg	12/11/25 21:40	PB170902
86-73-7	Fluorene	0.10	U	1	0.015	0.10	mg/Kg	12/11/25 21:40	PB170902
85-01-8	Phenanthrene	0.10	U	1	0.013	0.10	mg/Kg	12/11/25 21:40	PB170902
120-12-7	Anthracene	0.10	U	1	0.020	0.10	mg/Kg	12/11/25 21:40	PB170902
206-44-0	Fluoranthene	0.10	U	1	0.018	0.10	mg/Kg	12/11/25 21:40	PB170902
129-00-0	Pyrene	0.10	U	1	0.022	0.10	mg/Kg	12/11/25 21:40	PB170902
56-55-3	Benzo(a)anthracene	0.10	U	1	0.014	0.10	mg/Kg	12/11/25 21:40	PB170902
218-01-9	Chrysene	0.10	U	1	0.012	0.10	mg/Kg	12/11/25 21:40	PB170902
205-99-2	Benzo(b)fluoranthene	0.10	U	1	0.011	0.10	mg/Kg	12/11/25 21:40	PB170902
207-08-9	Benzo(k)fluoranthene	0.10	U	1	0.013	0.10	mg/Kg	12/11/25 21:40	PB170902
50-32-8	Benzo(a)pyrene	0.10	U	1	0.018	0.10	mg/Kg	12/11/25 21:40	PB170902
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	U	1	0.017	0.10	mg/Kg	12/11/25 21:40	PB170902
53-70-3	Dibenzo(a,h)anthracene	0.10	U	1	0.016	0.10	mg/Kg	12/11/25 21:40	PB170902
191-24-2	Benzo(g,h,i)perylene	0.10	U	1	0.015	0.10	mg/Kg	12/11/25 21:40	PB170902
SURROGATES									
4165-60-0	Nitrobenzene-d5	56.1			10 - 108	56%	SPK: 100		
321-60-8	2-Fluorobiphenyl	61.8			10 - 108	62%	SPK: 100		
1718-51-0	Terphenyl-d14	74.8			10 - 109	75%	SPK: 100		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	16500							
1146-65-2	Naphthalene-d8	61700							
15067-26-2	Acenaphthene-d10	56900							
1517-22-2	Phenanthrene-d10	150000							
1719-03-5	Chrysene-d12	203000							
1520-96-3	Perylene-d12	229000							

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