

Report of Analysis

Client:	PSEG	Date Collected:	02/27/25
Project:	Bridgewater Switch	Date Received:	02/27/25
Client Sample ID:	VNJ208	SDG No.:	Q1451
Lab Sample ID:	Q1451-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	50.05	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
BF141808.D	1	02/28/25 08:50	02/28/25 14:21	PB166930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.10	U	0.050	0.10	mg/Kg
208-96-8	Acenaphthylene	0.10	U	0.052	0.10	mg/Kg
83-32-9	Acenaphthene	0.10	U	0.049	0.10	mg/Kg
86-73-7	Fluorene	0.10	U	0.051	0.10	mg/Kg
85-01-8	Phenanthrene	0.10	U	0.050	0.10	mg/Kg
120-12-7	Anthracene	0.10	U	0.051	0.10	mg/Kg
206-44-0	Fluoranthene	0.10	U	0.049	0.10	mg/Kg
129-00-0	Pyrene	0.10	U	0.050	0.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.10	U	0.048	0.10	mg/Kg
218-01-9	Chrysene	0.10	U	0.048	0.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.10	U	0.049	0.10	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.10	U	0.050	0.10	mg/Kg
50-32-8	Benzo(a)pyrene	0.10	U	0.056	0.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	U	0.047	0.10	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.10	U	0.049	0.10	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	U	0.048	0.10	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	103		18 - 107	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.6		20 - 109	89%	SPK: 100
1718-51-0	Terphenyl-d14	85.1		10 - 105	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	277000	6.887			
1146-65-2	Naphthalene-d8	1090000	8.169			
15067-26-2	Acenaphthene-d10	610000	9.922			
1517-22-2	Phenanthrene-d10	1020000	11.41			
1719-03-5	Chrysene-d12	774000	14.045			
1520-96-3	Perylene-d12	695000	15.515			

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Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-PAH
		GPC Cleanup :	N
		PH :	

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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