

Report of Analysis

Client:	PSEG	Date Collected:	03/25/25
Project:	Paterson Laydown	Date Received:	03/25/25
Client Sample ID:	PAT-1-032525DL	SDG No.:	Q1642
Lab Sample ID:	Q1642-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.2
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142173.D	10	03/26/25 08:50	03/28/25 21:30	PB167321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2.30	UD	1.10	2.30	mg/Kg
108-95-2	Phenol	1.20	UD	0.15	1.20	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.20	UD	0.17	1.20	mg/Kg
95-57-8	2-Chlorophenol	1.20	UD	0.17	1.20	mg/Kg
95-48-7	2-Methylphenol	1.20	UD	0.21	1.20	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.20	UD	0.26	1.20	mg/Kg
98-86-2	Acetophenone	1.20	UD	0.20	1.20	mg/Kg
65794-96-9	3+4-Methylphenols	2.30	UD	0.28	2.30	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.55	UD	0.33	0.55	mg/Kg
67-72-1	Hexachloroethane	1.20	UD	0.12	1.20	mg/Kg
98-95-3	Nitrobenzene	1.20	UD	0.13	1.20	mg/Kg
78-59-1	Isophorone	1.20	UD	0.23	1.20	mg/Kg
88-75-5	2-Nitrophenol	1.20	UD	0.40	1.20	mg/Kg
105-67-9	2,4-Dimethylphenol	1.20	UD	0.45	1.20	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.20	UD	0.21	1.20	mg/Kg
120-83-2	2,4-Dichlorophenol	1.20	UD	0.19	1.20	mg/Kg
91-20-3	Naphthalene	1.20	UD	0.16	1.20	mg/Kg
106-47-8	4-Chloroaniline	1.20	UD	0.24	1.20	mg/Kg
87-68-3	Hexachlorobutadiene	1.20	UD	0.17	1.20	mg/Kg
105-60-2	Caprolactam	2.30	UD	0.36	2.30	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.20	UD	0.20	1.20	mg/Kg
91-57-6	2-Methylnaphthalene	1.20	UD	0.18	1.20	mg/Kg
77-47-4	Hexachlorocyclopentadiene	2.30	UD	0.80	2.30	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.20	UD	0.14	1.20	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.20	UD	0.20	1.20	mg/Kg
92-52-4	1,1-Biphenyl	1.20	UD	0.15	1.20	mg/Kg
91-58-7	2-Chloronaphthalene	1.20	UD	0.15	1.20	mg/Kg
88-74-4	2-Nitroaniline	1.20	UD	0.33	1.20	mg/Kg
131-11-3	Dimethylphthalate	1.20	UD	0.19	1.20	mg/Kg

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208-96-8	Acenaphthylene	1.20	UD	0.20	1.20	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.20	UD	0.23	1.20	mg/Kg
99-09-2	3-Nitroaniline	1.20	UD	0.32	1.20	mg/Kg
83-32-9	Acenaphthene	0.72	JD	0.15	1.20	mg/Kg
51-28-5	2,4-Dinitrophenol	2.30	UD	1.60	2.30	mg/Kg
100-02-7	4-Nitrophenol	2.30	UD	0.74	2.30	mg/Kg
132-64-9	Dibenzofuran	1.20	UD	0.16	1.20	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20	UD	0.34	1.20	mg/Kg
84-66-2	Diethylphthalate	1.20	UD	0.19	1.20	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.20	UD	0.18	1.20	mg/Kg
86-73-7	Fluorene	0.65	JD	0.17	1.20	mg/Kg
100-01-6	4-Nitroaniline	1.20	UD	0.44	1.20	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2.30	UD	0.71	2.30	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.20	UD	0.23	1.20	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.20	UD	0.19	1.20	mg/Kg
118-74-1	Hexachlorobenzene	1.20	UD	0.17	1.20	mg/Kg
1912-24-9	Atrazine	1.20	UD	0.23	1.20	mg/Kg
87-86-5	Pentachlorophenol	2.30	UD	0.35	2.30	mg/Kg
85-01-8	Phenanthrene	6.30	D	0.14	1.20	mg/Kg
120-12-7	Anthracene	1.40	D	0.23	1.20	mg/Kg
86-74-8	Carbazole	0.71	JD	0.21	1.20	mg/Kg
84-74-2	Di-n-butylphthalate	1.20	UD	0.33	1.20	mg/Kg
206-44-0	Fluoranthene	8.10	D	0.21	1.20	mg/Kg
129-00-0	Pyrene	5.20	D	0.25	1.20	mg/Kg
85-68-7	Butylbenzylphthalate	1.20	UD	0.49	1.20	mg/Kg
91-94-1	3,3-Dichlorobenzidine	2.30	UD	0.25	2.30	mg/Kg
56-55-3	Benzo(a)anthracene	3.00	D	0.16	1.20	mg/Kg
218-01-9	Chrysene	2.90	D	0.14	1.20	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.51	JD	0.41	1.20	mg/Kg
117-84-0	Di-n-octyl phthalate	2.30	UD	0.60	2.30	mg/Kg
205-99-2	Benzo(b)fluoranthene	3.40	D	0.13	1.20	mg/Kg

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207-08-9	Benzo(k)fluoranthene	1.00	JD	0.15	1.20	mg/Kg
50-32-8	Benzo(a)pyrene	2.50	D	0.20	1.20	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	D	0.20	1.20	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.20	UD	0.19	1.20	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.40	D	0.18	1.20	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20	UD	0.18	1.20	mg/Kg
123-91-1	1,4-Dioxane	1.20	UD	0.31	1.20	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.20	UD	0.19	1.20	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	95.8		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	91.0		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.0		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.2		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.1		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	51.0		10 - 105	51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	127000	6.869
1146-65-2	Naphthalene-d8	480000	8.151
15067-26-2	Acenaphthene-d10	232000	9.91
1517-22-2	Phenanthrene-d10	317000	11.392
1719-03-5	Chrysene-d12	269000	14.033
1520-96-3	Perylene-d12	201000	15.509

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