284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-COMP	SDG No.:	Q3546
Lab Sample ID:	Q3546-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.5
Sample Wt/Vol:	50.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.22	U	1	0.10	0.22	mg/Kg	11/06/25 14:25	PB170421
108-95-2	Phenol	0.11	U	1	0.015	0.11	mg/Kg	11/06/25 14:25	PB170421
111-44-4	bis(2-Chloroethyl)ether	0.11	U	1	0.016	0.11	mg/Kg	11/06/25 14:25	PB170421
95-57-8	2-Chlorophenol	0.11	U	1	0.016	0.11	mg/Kg	11/06/25 14:25	PB170421
95-48-7	2-Methylphenol	0.11	U	1	0.020	0.11	mg/Kg	11/06/25 14:25	PB170421
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	1	0.025	0.11	mg/Kg	11/06/25 14:25	PB170421
98-86-2	Acetophenone	0.11	U	1	0.020	0.11	mg/Kg	11/06/25 14:25	PB170421
65794-96-9	3+4-Methylphenols	0.22	U	1	0.027	0.22	mg/Kg	11/06/25 14:25	PB170421
621-64-7	n-Nitroso-di-n-propylamine	0.053	U	1	0.031	0.053	mg/Kg	11/06/25 14:25	PB170421
67-72-1	Hexachloroethane	0.11	U	1	0.012	0.11	mg/Kg	11/06/25 14:25	PB170421
98-95-3	Nitrobenzene	0.11	U	1	0.012	0.11	mg/Kg	11/06/25 14:25	PB170421
78-59-1	Isophorone	0.11	U	1	0.022	0.11	mg/Kg	11/06/25 14:25	PB170421
88-75-5	2-Nitrophenol	0.11	U	1	0.039	0.11	mg/Kg	11/06/25 14:25	PB170421
105-67-9	2,4-Dimethylphenol	0.11	U	1	0.043	0.11	mg/Kg	11/06/25 14:25	PB170421
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	1	0.020	0.11	mg/Kg	11/06/25 14:25	PB170421
120-83-2	2,4-Dichlorophenol	0.11	U	1	0.019	0.11	mg/Kg	11/06/25 14:25	PB170421
91-20-3	Naphthalene	0.11	U	1	0.015	0.11	mg/Kg	11/06/25 14:25	PB170421
106-47-8	4-Chloroaniline	0.11	U	1	0.024	0.11	mg/Kg	11/06/25 14:25	PB170421
87-68-3	Hexachlorobutadiene	0.11	U	1	0.017	0.11	mg/Kg	11/06/25 14:25	PB170421
105-60-2	Caprolactam	0.22	U	1	0.035	0.22	mg/Kg	11/06/25 14:25	PB170421
59-50-7	4-Chloro-3-methylphenol	0.11	U	1	0.019	0.11	mg/Kg	11/06/25 14:25	PB170421
91-57-6	2-Methylnaphthalene	0.11	U	1	0.017	0.11	mg/Kg	11/06/25 14:25	PB170421
77-47-4	Hexachlorocyclopentadiene	0.22	U	1	0.077	0.22	mg/Kg	11/06/25 14:25	PB170421
88-06-2	2,4,6-Trichlorophenol	0.11	U	1	0.013	0.11	mg/Kg	11/06/25 14:25	PB170421
95-95-4	2,4,5-Trichlorophenol	0.11	U	1	0.019	0.11	mg/Kg	11/06/25 14:25	PB170421
92-52-4	1,1-Biphenyl	0.11	U	1	0.014	0.11	mg/Kg	11/06/25 14:25	PB170421
91-58-7	2-Chloronaphthalene	0.11	U	1	0.015	0.11	mg/Kg	11/06/25 14:25	PB170421
88-74-4	2-Nitroaniline	0.11	U	1	0.032	0.11	mg/Kg	11/06/25 14:25	PB170421
131-11-3	Dimethylphthalate	0.11	U	1	0.018	0.11	mg/Kg	11/06/25 14:25	PB170421
208-96-8	Acenaphthylene	0.11	U	1	0.019	0.11	mg/Kg	11/06/25 14:25	PB170421
606-20-2	2,6-Dinitrotoluene	0.11	U	1	0.022	0.11	mg/Kg	11/06/25 14:25	PB170421
99-09-2	3-Nitroaniline	0.11	U	1	0.031	0.11	mg/Kg	11/06/25 14:25	PB170421
83-32-9	Acenaphthene	0.11	U	1	0.014	0.11	mg/Kg	11/06/25 14:25	PB170421
51-28-5	2,4-Dinitrophenol	0.22	U	1	0.15	0.22	mg/Kg	11/06/25 14:25	PB170421
100-02-7	4-Nitrophenol	0.22	U	1	0.071	0.22	mg/Kg	11/06/25 14:25	PB170421
132-64-9	Dibenzofuran	0.11	U	1	0.015	0.11	mg/Kg	11/06/25 14:25	PB170421
121-14-2	2,4-Dinitrotoluene	0.11	U	1	0.033	0.11	mg/Kg	11/06/25 14:25	PB170421
84-66-2	Diethylphthalate	0.11	U	1	0.019	0.11	mg/Kg	11/06/25 14:25	PB170421
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	11/06/25 14:25	PB170421
86-73-7	Fluorene	0.11	U	1	0.017	0.11	mg/Kg	11/06/25 14:25	PB170421
100-01-6	4-Nitroaniline	0.11	U	1	0.043	0.11	mg/Kg	11/06/25 14:25	PB170421
534-52-1	4,6-Dinitro-2-methylphenol	0.22	U	1	0.068	0.22	mg/Kg	11/06/25 14:25	PB170421

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Client:	PSEG			Date Collected:	11/05/25
Project:	Gloucester Substation			Date Received:	11/05/25
Client Sample ID:	TP-COMP			SDG No.:	Q3546
Lab Sample ID:	Q3546-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.5
Sample Wt/Vol:	50.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.11	U	1	0.022	0.11	mg/Kg	11/06/25 14:25	PB170421
101-55-3	4-Bromophenyl-phenylether	0.11	U	1	0.018	0.11	mg/Kg	11/06/25 14:25	PB170421
118-74-1	Hexachlorobenzene	0.11	U	1	0.017	0.11	mg/Kg	11/06/25 14:25	PB170421
1912-24-9	Atrazine	0.11	U	1	0.023	0.11	mg/Kg	11/06/25 14:25	PB170421
87-86-5	Pentachlorophenol	0.22	U	1	0.034	0.22	mg/Kg	11/06/25 14:25	PB170421
85-01-8	Phenanthrene	0.11	U	1	0.014	0.11	mg/Kg	11/06/25 14:25	PB170421
120-12-7	Anthracene	0.11	U	1	0.022	0.11	mg/Kg	11/06/25 14:25	PB170421
86-74-8	Carbazole	0.11	U	1	0.021	0.11	mg/Kg	11/06/25 14:25	PB170421
84-74-2	Di-n-butylphthalate	0.11	U	1	0.032	0.11	mg/Kg	11/06/25 14:25	PB170421
206-44-0	Fluoranthene	0.11	U	1	0.020	0.11	mg/Kg	11/06/25 14:25	PB170421
129-00-0	Pyrene	0.11	U	1	0.024	0.11	mg/Kg	11/06/25 14:25	PB170421
85-68-7	Butylbenzylphthalate	0.11	U	1	0.047	0.11	mg/Kg	11/06/25 14:25	PB170421
91-94-1	3,3-Dichlorobenzidine	0.22	U	1	0.024	0.22	mg/Kg	11/06/25 14:25	PB170421
56-55-3	Benzo(a)anthracene	0.11	U	1	0.015	0.11	mg/Kg	11/06/25 14:25	PB170421
218-01-9	Chrysene	0.11	U	1	0.013	0.11	mg/Kg	11/06/25 14:25	PB170421
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	1	0.039	0.11	mg/Kg	11/06/25 14:25	PB170421
117-84-0	Di-n-octyl phthalate	0.22	U	1	0.058	0.22	mg/Kg	11/06/25 14:25	PB170421
205-99-2	Benzo(b)fluoranthene	0.11	U	1	0.013	0.11	mg/Kg	11/06/25 14:25	PB170421
207-08-9	Benzo(k)fluoranthene	0.11	U	1	0.015	0.11	mg/Kg	11/06/25 14:25	PB170421
50-32-8	Benzo(a)pyrene	0.11	U	1	0.020	0.11	mg/Kg	11/06/25 14:25	PB170421
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	1	0.019	0.11	mg/Kg	11/06/25 14:25	PB170421
53-70-3	Dibenzo(a,h)anthracene	0.11	U	1	0.018	0.11	mg/Kg	11/06/25 14:25	PB170421
191-24-2	Benzo(g,h,i)perylene	0.11	U	1	0.017	0.11	mg/Kg	11/06/25 14:25	PB170421
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	1	0.017	0.11	mg/Kg	11/06/25 14:25	PB170421
123-91-1	1,4-Dioxane	0.11	U	1	0.030	0.11	mg/Kg	11/06/25 14:25	PB170421
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	1	0.018	0.11	mg/Kg	11/06/25 14:25	PB170421
SURROGATES									
367-12-4	2-Fluorophenol	81.8			18 - 112	55%	SPK: 150		
13127-88-3	Phenol-d6	81.5			15 - 107	54%	SPK: 150		
4165-60-0	Nitrobenzene-d5	66.9			18 - 107	67%	SPK: 100		
321-60-8	2-Fluorobiphenyl	60.6			20 - 109	61%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	107			10 - 116	72%	SPK: 150		
1718-51-0	Terphenyl-d14	54.4			10 - 105	54%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31100							
1146-65-2	Naphthalene-d8	122000							
15067-26-2	Acenaphthene-d10	93600							
1517-22-2	Phenanthrene-d10	222000							
1719-03-5	Chrysene-d12	283000							
1520-96-3	Perylene-d12	323000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	95.0	J			16.2	ug/Kg		
000057-10-3	n-Hexadecanoic acid	600	J			18.4	ug/Kg		

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Project:	Gloucester Substation			Date Received:	11/05/25
Client Sample ID:	TP-COMP			SDG No.:	Q3546
Lab Sample ID:	Q3546-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.5
Sample Wt/Vol:	50.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
1000308-98-5	Phthalic acid, 2-ethylhexyl isohex	230	J			19.5	ug/Kg		
000057-11-4	Octadecanoic acid	290	J			19.7	ug/Kg		
000629-97-0	Docosane	76.2	J			20.0	ug/Kg		
002004-39-9	1-Heptacosanol	100	J			21.5	ug/Kg		
000112-95-8	Eicosane	120	J			22.6	ug/Kg		

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