

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	26kV Service to Prologis - Newark OP	Date Received:	04/11/25
Client Sample ID:	TP-1	SDG No.:	Q1787
Lab Sample ID:	Q1787-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.5
Sample Wt/Vol:	50.01 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
BM049934.D	1	04/14/25 09:40	04/15/25 14:35	PB167577

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.24	U	0.11	0.24	mg/Kg
108-95-2	Phenol	0.12	U	0.016	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.12	U	0.018	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.12	U	0.018	0.12	mg/Kg
95-48-7	2-Methylphenol	0.12	U	0.022	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.12	U	0.027	0.12	mg/Kg
98-86-2	Acetophenone	0.12	U	0.021	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.24	U	0.030	0.24	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.058	U	0.034	0.058	mg/Kg
67-72-1	Hexachloroethane	0.12	U	0.013	0.12	mg/Kg
98-95-3	Nitrobenzene	0.12	U	0.013	0.12	mg/Kg
78-59-1	Isophorone	0.12	U	0.024	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.12	U	0.042	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.12	U	0.047	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.12	U	0.022	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.12	U	0.020	0.12	mg/Kg
91-20-3	Naphthalene	0.12	U	0.016	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.12	U	0.025	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.12	U	0.018	0.12	mg/Kg
105-60-2	Caprolactam	0.24	U	0.037	0.24	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.12	U	0.021	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.12	U	0.018	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.24	U	0.083	0.24	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.12	U	0.014	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.12	U	0.021	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.12	U	0.016	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.12	U	0.016	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.12	U	0.035	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.12	U	0.020	0.12	mg/Kg

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208-96-8	Acenaphthylene	0.13		0.021	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.12	U	0.024	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.12	U	0.033	0.12	mg/Kg
83-32-9	Acenaphthene	0.072	J	0.015	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.24	U	0.16	0.24	mg/Kg
100-02-7	4-Nitrophenol	0.24	U	0.077	0.24	mg/Kg
132-64-9	Dibenzofuran	0.12	U	0.016	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.12	U	0.036	0.12	mg/Kg
84-66-2	Diethylphthalate	0.12	U	0.020	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	0.019	0.12	mg/Kg
86-73-7	Fluorene	0.086	J	0.018	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.12	U	0.046	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.24	U	0.074	0.24	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.12	U	0.024	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.12	U	0.020	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.12	U	0.018	0.12	mg/Kg
1912-24-9	Atrazine	0.12	U	0.024	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.24	U	0.037	0.24	mg/Kg
85-01-8	Phenanthrene	0.82		0.015	0.12	mg/Kg
120-12-7	Anthracene	0.26		0.024	0.12	mg/Kg
86-74-8	Carbazole	0.070	J	0.022	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.12	U	0.034	0.12	mg/Kg
206-44-0	Fluoranthene	1.50		0.022	0.12	mg/Kg
129-00-0	Pyrene	1.30		0.026	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.12	U	0.051	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.24	U	0.026	0.24	mg/Kg
56-55-3	Benzo(a)anthracene	0.88		0.017	0.12	mg/Kg
218-01-9	Chrysene	0.80		0.014	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.12	U	0.043	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.24	U	0.062	0.24	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.014	0.12	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.34		0.016	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	0.98		0.021	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.50		0.021	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16		0.020	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.58		0.019	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	0.018	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.12	U	0.033	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	0.020	0.12	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.4		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	81.6		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.2		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.5		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.3		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	49.3		10 - 105	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	455000	7.769
1146-65-2	Naphthalene-d8	1510000	10.563
15067-26-2	Acenaphthene-d10	898000	14.415
1517-22-2	Phenanthrene-d10	1660000	17.156
1719-03-5	Chrysene-d12	1690000	21.403
1520-96-3	Perylene-d12	1850000	24.403

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A	4.89	ug/Kg
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	130	J	5.96	ug/Kg
062016-28-8	Octane, 2,2,6-trimethyl-	69.9	J	6.77	ug/Kg
000119-61-9	Benzophenone	190	J	15.8	ug/Kg
000132-65-0	Dibenzothiophene	61.3	J	17.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	120	J	18.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	2700	J	18.1	ug/Kg

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000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J		18.2	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzon	74.0	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	52.2	J		18.6	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	130	J		19.0	ug/Kg
000781-43-1	9,10-Dimethylanthracene	71.4	J		19.1	ug/Kg
000057-11-4	Octadecanoic acid	1100	J		19.4	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	87.2	J		20.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	61.1	J		20.2	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	52.0	J		21.1	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	53.2	J		21.6	ug/Kg
000192-97-2	Benzo[e]pyrene	190	J		23.7	ug/Kg
000198-55-0	Perylene	750	J		24.1	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