

Report of Analysis

Client:	PSEG	Date Collected:	04/09/25
Project:	26kV Service to Prologis - Newark OP	Date Received:	04/10/25
Client Sample ID:	TP-7C	SDG No.:	Q1771
Lab Sample ID:	Q1771-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.9
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049908.D	5	04/10/25 08:55	04/11/25 19:32	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1.10	U	0.51	1.10	mg/Kg
108-95-2	Phenol	0.55	U	0.072	0.55	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.55	U	0.079	0.55	mg/Kg
95-57-8	2-Chlorophenol	0.55	U	0.080	0.55	mg/Kg
95-48-7	2-Methylphenol	0.55	U	0.098	0.55	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.55	U	0.12	0.55	mg/Kg
98-86-2	Acetophenone	0.55	U	0.096	0.55	mg/Kg
65794-96-9	3+4-Methylphenols	1.10	U	0.13	1.10	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.26	U	0.15	0.26	mg/Kg
67-72-1	Hexachloroethane	0.55	U	0.057	0.55	mg/Kg
98-95-3	Nitrobenzene	0.55	U	0.060	0.55	mg/Kg
78-59-1	Isophorone	0.55	U	0.11	0.55	mg/Kg
88-75-5	2-Nitrophenol	0.55	U	0.19	0.55	mg/Kg
105-67-9	2,4-Dimethylphenol	0.55	U	0.21	0.55	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.55	U	0.10	0.55	mg/Kg
120-83-2	2,4-Dichlorophenol	0.55	U	0.092	0.55	mg/Kg
91-20-3	Naphthalene	0.60		0.074	0.55	mg/Kg
106-47-8	4-Chloroaniline	0.55	U	0.12	0.55	mg/Kg
87-68-3	Hexachlorobutadiene	0.55	U	0.083	0.55	mg/Kg
105-60-2	Caprolactam	1.10	U	0.17	1.10	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.55	U	0.094	0.55	mg/Kg
91-57-6	2-Methylnaphthalene	1.60		0.084	0.55	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.10	U	0.38	1.10	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.55	U	0.065	0.55	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.55	U	0.095	0.55	mg/Kg
92-52-4	1,1-Biphenyl	0.29	J	0.071	0.55	mg/Kg
91-58-7	2-Chloronaphthalene	0.55	U	0.073	0.55	mg/Kg
88-74-4	2-Nitroaniline	0.55	U	0.16	0.55	mg/Kg
131-11-3	Dimethylphthalate	0.55	U	0.088	0.55	mg/Kg

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208-96-8	Acenaphthylene	0.55	U	0.094	0.55	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.55	U	0.11	0.55	mg/Kg
99-09-2	3-Nitroaniline	0.55	U	0.15	0.55	mg/Kg
83-32-9	Acenaphthene	0.55	U	0.070	0.55	mg/Kg
51-28-5	2,4-Dinitrophenol	1.10	U	0.75	1.10	mg/Kg
100-02-7	4-Nitrophenol	1.10	U	0.35	1.10	mg/Kg
132-64-9	Dibenzofuran	0.55	U	0.074	0.55	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.55	U	0.16	0.55	mg/Kg
84-66-2	Diethylphthalate	0.55	U	0.092	0.55	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.55	U	0.087	0.55	mg/Kg
86-73-7	Fluorene	0.55	U	0.083	0.55	mg/Kg
100-01-6	4-Nitroaniline	0.55	U	0.21	0.55	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.10	U	0.34	1.10	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.55	U	0.11	0.55	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.55	U	0.091	0.55	mg/Kg
118-74-1	Hexachlorobenzene	0.55	U	0.083	0.55	mg/Kg
1912-24-9	Atrazine	0.55	U	0.11	0.55	mg/Kg
87-86-5	Pentachlorophenol	1.10	U	0.17	1.10	mg/Kg
85-01-8	Phenanthrene	0.39	J	0.068	0.55	mg/Kg
120-12-7	Anthracene	0.55	U	0.11	0.55	mg/Kg
86-74-8	Carbazole	0.55	U	0.10	0.55	mg/Kg
84-74-2	Di-n-butylphthalate	0.55	U	0.16	0.55	mg/Kg
206-44-0	Fluoranthene	0.44	J	0.098	0.55	mg/Kg
129-00-0	Pyrene	0.46	J	0.12	0.55	mg/Kg
85-68-7	Butylbenzylphthalate	0.55	U	0.23	0.55	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10	U	0.12	1.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.24	J	0.075	0.55	mg/Kg
218-01-9	Chrysene	0.28	J	0.065	0.55	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.55	U	0.19	0.55	mg/Kg
117-84-0	Di-n-octyl phthalate	1.10	U	0.28	1.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.31	J	0.062	0.55	mg/Kg

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50-32-8	Benzo(a)pyrene	0.27	J	0.096	0.55	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.55	U	0.095	0.55	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.55	U	0.089	0.55	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.55	U	0.084	0.55	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	0.084	0.55	mg/Kg
123-91-1	1,4-Dioxane	0.55	U	0.15	0.55	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.55	U	0.089	0.55	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.9		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	95.5		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.3		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.0		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		10 - 116	67%	SPK: 150
1718-51-0	Terphenyl-d14	65.5		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	365000	7.775
1146-65-2	Naphthalene-d8	1200000	10.569
15067-26-2	Acenaphthene-d10	797000	14.416
1517-22-2	Phenanthrene-d10	1590000	17.162
1719-03-5	Chrysene-d12	1530000	21.398
1520-96-3	Perylene-d12	1770000	24.403

TENTATIVE IDENTIFIED COMPOUNDS

000124-18-5	Decane	1100	J	7.41	ug/Kg
013151-35-4	Decane, 5-methyl-	1200	J	8.32	ug/Kg
006975-98-0	Decane, 2-methyl-	1500	J	8.45	ug/Kg
001120-21-4	Undecane	3200	J	9.01	ug/Kg
	unknown9.134	1400	J	9.13	ug/Kg
001632-70-8	Undecane, 5-methyl-	860	J	9.86	ug/Kg
017301-28-9	Undecane, 3,6-dimethyl-	1300	J	10.7	ug/Kg

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061142-20-9	Cyclohexane, (4-methylpentyl)-	1000	J		11.3	ug/Kg
001560-97-0	Dodecane, 2-methyl-	850	J		11.5	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	1700	J		11.6	ug/Kg
000629-50-5	Tridecane	1600	J		12.0	ug/Kg
90-12-0	1-Methylnaphthalene	1200	J		12.5	ug/Kg
017312-82-2	Undecane, 4,6-dimethyl-	850	J		12.6	ug/Kg
	unknown12.686	1100	J		12.7	ug/Kg
026730-12-1	Tridecane, 4-methyl-	860	J		12.8	ug/Kg
107770-99-0	3,5-Dimethyldodecane	1100	J		12.9	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	2400	J		13.0	ug/Kg
000575-41-7	Naphthalene, 1,3-dimethyl-	860	J		13.8	ug/Kg
000544-76-3	Hexadecane	1500	J		13.9	ug/Kg
000629-92-5	Nonadecane	1600	J		14.3	ug/Kg
000629-59-4	Tetradecane	830	J		16.1	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