

Report of Analysis

Client:	PSEG	Date Collected:	11/15/24
Project:	Defective Pole Replacement	Date Received:	11/15/24
Client Sample ID:	VNJ-228	SDG No.:	P4889
Lab Sample ID:	P4889-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140480.D	1	11/16/24 08:51	11/19/24 18:10	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.22	U	0.12	0.22	mg/Kg
108-95-2	Phenol	0.11	U	0.055	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.11	U	0.055	0.11	mg/Kg
95-57-8	2-Chlorophenol	0.11	U	0.055	0.11	mg/Kg
95-48-7	2-Methylphenol	0.11	U	0.053	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	0.060	0.11	mg/Kg
98-86-2	Acetophenone	0.11	U	0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.22	U	0.053	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.053	U	0.027	0.053	mg/Kg
67-72-1	Hexachloroethane	0.11	U	0.055	0.11	mg/Kg
98-95-3	Nitrobenzene	0.11	U	0.060	0.11	mg/Kg
78-59-1	Isophorone	0.11	U	0.056	0.11	mg/Kg
88-75-5	2-Nitrophenol	0.11	U	0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.11	U	0.061	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	0.057	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	0.11	U	0.050	0.11	mg/Kg
91-20-3	Naphthalene	0.11	U	0.054	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.11	U	0.054	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	0.11	U	0.055	0.11	mg/Kg
105-60-2	Caprolactam	0.22	U	0.057	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.11	U	0.051	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	0.11	U	0.054	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.22	U	0.10	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.11	U	0.047	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.11	U	0.049	0.11	mg/Kg
92-52-4	1,1-Biphenyl	0.11	U	0.058	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	0.11	U	0.055	0.11	mg/Kg
88-74-4	2-Nitroaniline	0.11	U	0.063	0.11	mg/Kg
131-11-3	Dimethylphthalate	0.11	U	0.054	0.11	mg/Kg

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Analytical Method:	SW8270	% Solid:	91.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

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208-96-8	Acenaphthylene	0.11	U	0.057	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.11	U	0.055	0.11	mg/Kg
99-09-2	3-Nitroaniline	0.11	U	0.059	0.11	mg/Kg
83-32-9	Acenaphthene	0.11	U	0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	0.22	U	0.16	0.22	mg/Kg
100-02-7	4-Nitrophenol	0.22	U	0.076	0.22	mg/Kg
132-64-9	Dibenzofuran	0.11	U	0.056	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.11	U	0.057	0.11	mg/Kg
84-66-2	Diethylphthalate	0.11	U	0.053	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	0.056	0.11	mg/Kg
86-73-7	Fluorene	0.11	U	0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.11	U	0.070	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.22	U	0.077	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.11	U	0.054	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.11	U	0.052	0.11	mg/Kg
118-74-1	Hexachlorobenzene	0.11	U	0.056	0.11	mg/Kg
1912-24-9	Atrazine	0.11	U	0.060	0.11	mg/Kg
87-86-5	Pentachlorophenol	0.22	U	0.051	0.22	mg/Kg
85-01-8	Phenanthrene	0.49		0.055	0.11	mg/Kg
120-12-7	Anthracene	0.13		0.056	0.11	mg/Kg
86-74-8	Carbazole	0.11	U	0.053	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	0.11	U	0.056	0.11	mg/Kg
206-44-0	Fluoranthene	0.87		0.054	0.11	mg/Kg
129-00-0	Pyrene	0.78		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	0.11	U	0.064	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.22	U	0.065	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	0.50		0.053	0.11	mg/Kg
218-01-9	Chrysene	0.48		0.052	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.060	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	0.22	U	0.072	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.61		0.053	0.11	mg/Kg

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Sample Wt/Vol:	50.02 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		

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207-08-9	Benzo(k)fluoranthene	0.24		0.054	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	0.46		0.061	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.23		0.051	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.066	J	0.054	0.11	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.27		0.053	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	0.057	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.11	U	0.072	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	0.049	0.11	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	94.9		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	92.0		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.5		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.8		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.4		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	65.0		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	6.875
1146-65-2	Naphthalene-d8	464000	8.151
15067-26-2	Acenaphthene-d10	222000	9.904
1517-22-2	Phenanthrene-d10	353000	11.398
1719-03-5	Chrysene-d12	229000	14.045
1520-96-3	Perylene-d12	190000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	860	J	2.16	ug/Kg
007785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]	170	J	6.15	ug/Kg
000127-91-3	.beta.-Pinene	79.2	J	6.58	ug/Kg
	unknown9.998	160	J	10.00	ug/Kg
000119-61-9	Benzophenone	140	J	10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	340	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	170	J	12.0	ug/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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056641-38-4	1,6-Methano-1H-indene, 2,3,3a,4,5,	81.6	J		12.1	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	46.7	J		12.2	ug/Kg
000084-65-1	9,10-Anthracenedione	51.1	J		12.2	ug/Kg
005103-74-2	trans-Chlordane	67.6	J		12.7	ug/Kg
002381-21-7	Pyrene, 1-methyl-	56.0	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	72.4	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	44.3	J		13.3	ug/Kg
000192-97-2	Benzo[e]pyrene	260	J		15.4	ug/Kg
000646-31-1	Tetracosane	110	J		16.0	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