

Report of Analysis

Client: PSEG
Project: Plainfield Gas and Appliance Service (PL)
Client Sample ID: PL-01-103125
Lab Sample ID: Q3519-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.04 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 11/03/25

Date Collected: 10/31/25
Date Received: 10/31/25
SDG No.: Q3519
Matrix: SOIL
% Solid: 85.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.11	U	1	0.11	0.23	mg/Kg	11/03/25 18:16	PB170372
108-95-2	Phenol	0.016	U	1	0.016	0.12	mg/Kg	11/03/25 18:16	PB170372
111-44-4	bis(2-Chloroethyl)ether	0.017	U	1	0.017	0.12	mg/Kg	11/03/25 18:16	PB170372
95-57-8	2-Chlorophenol	0.017	U	1	0.017	0.12	mg/Kg	11/03/25 18:16	PB170372
95-48-7	2-Methylphenol	0.021	U	1	0.021	0.12	mg/Kg	11/03/25 18:16	PB170372
108-60-1	2,2-oxybis(1-Chloropropane)	0.026	U	1	0.026	0.12	mg/Kg	11/03/25 18:16	PB170372
98-86-2	Acetophenone	0.021	U	1	0.021	0.12	mg/Kg	11/03/25 18:16	PB170372
65794-96-9	3+4-Methylphenols	0.029	U	1	0.029	0.23	mg/Kg	11/03/25 18:16	PB170372
621-64-7	n-Nitroso-di-n-propylamine	0.033	U	1	0.033	0.056	mg/Kg	11/03/25 18:16	PB170372
67-72-1	Hexachloroethane	0.012	U	1	0.012	0.12	mg/Kg	11/03/25 18:16	PB170372
98-95-3	Nitrobenzene	0.013	U	1	0.013	0.12	mg/Kg	11/03/25 18:16	PB170372
78-59-1	Isophorone	0.023	U	1	0.023	0.12	mg/Kg	11/03/25 18:16	PB170372
88-75-5	2-Nitrophenol	0.041	U	1	0.041	0.12	mg/Kg	11/03/25 18:16	PB170372
105-67-9	2,4-Dimethylphenol	0.046	U	1	0.046	0.12	mg/Kg	11/03/25 18:16	PB170372
111-91-1	bis(2-Chloroethoxy)methane	0.022	U	1	0.022	0.12	mg/Kg	11/03/25 18:16	PB170372
120-83-2	2,4-Dichlorophenol	0.020	U	1	0.020	0.12	mg/Kg	11/03/25 18:16	PB170372
91-20-3	Naphthalene	0.016	U	1	0.016	0.12	mg/Kg	11/03/25 18:16	PB170372
106-47-8	4-Chloroaniline	0.025	U	1	0.025	0.12	mg/Kg	11/03/25 18:16	PB170372
87-68-3	Hexachlorobutadiene	0.018	U	1	0.018	0.12	mg/Kg	11/03/25 18:16	PB170372
105-60-2	Caprolactam	0.037	U	1	0.037	0.23	mg/Kg	11/03/25 18:16	PB170372
59-50-7	4-Chloro-3-methylphenol	0.020	U	1	0.020	0.12	mg/Kg	11/03/25 18:16	PB170372
91-57-6	2-Methylnaphthalene	0.018	U	1	0.018	0.12	mg/Kg	11/03/25 18:16	PB170372
77-47-4	Hexachlorocyclopentadiene	0.082	U	1	0.082	0.23	mg/Kg	11/03/25 18:16	PB170372
88-06-2	2,4,6-Trichlorophenol	0.014	U	1	0.014	0.12	mg/Kg	11/03/25 18:16	PB170372
95-95-4	2,4,5-Trichlorophenol	0.021	U	1	0.021	0.12	mg/Kg	11/03/25 18:16	PB170372
92-52-4	1,1-Biphenyl	0.015	U	1	0.015	0.12	mg/Kg	11/03/25 18:16	PB170372
91-58-7	2-Chloronaphthalene	0.016	U	1	0.016	0.12	mg/Kg	11/03/25 18:16	PB170372
88-74-4	2-Nitroaniline	0.034	U	1	0.034	0.12	mg/Kg	11/03/25 18:16	PB170372
131-11-3	Dimethylphthalate	0.019	U	1	0.019	0.12	mg/Kg	11/03/25 18:16	PB170372
208-96-8	Acenaphthylene	0.020	U	1	0.020	0.12	mg/Kg	11/03/25 18:16	PB170372
606-20-2	2,6-Dinitrotoluene	0.024	U	1	0.024	0.12	mg/Kg	11/03/25 18:16	PB170372
99-09-2	3-Nitroaniline	0.032	U	1	0.032	0.12	mg/Kg	11/03/25 18:16	PB170372
83-32-9	Acenaphthene	0.015	U	1	0.015	0.12	mg/Kg	11/03/25 18:16	PB170372
51-28-5	2,4-Dinitrophenol	0.16	U	1	0.16	0.23	mg/Kg	11/03/25 18:16	PB170372
100-02-7	4-Nitrophenol	0.075	U	1	0.075	0.23	mg/Kg	11/03/25 18:16	PB170372
132-64-9	Dibenzofuran	0.016	U	1	0.016	0.12	mg/Kg	11/03/25 18:16	PB170372
121-14-2	2,4-Dinitrotoluene	0.035	U	1	0.035	0.12	mg/Kg	11/03/25 18:16	PB170372
84-66-2	Diethylphthalate	0.020	U	1	0.020	0.12	mg/Kg	11/03/25 18:16	PB170372
7005-72-3	4-Chlorophenyl-phenylether	0.019	U	1	0.019	0.12	mg/Kg	11/03/25 18:16	PB170372
86-73-7	Fluorene	0.018	U	1	0.018	0.12	mg/Kg	11/03/25 18:16	PB170372
100-01-6	4-Nitroaniline	0.045	U	1	0.045	0.12	mg/Kg	11/03/25 18:16	PB170372
534-52-1	4,6-Dinitro-2-methylphenol	0.073	U	1	0.073	0.23	mg/Kg	11/03/25 18:16	PB170372

Report of Analysis

Client: PSEG
Project: Plainfield Gas and Appliance Service (PL)
Client Sample ID: PL-01-103125
Lab Sample ID: Q3519-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.04 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 11/03/25

Date Collected: 10/31/25
Date Received: 10/31/25
SDG No.: Q3519
Matrix: SOIL
% Solid: 85.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.023	U	1	0.023	0.12	mg/Kg	11/03/25 18:16	PB170372
101-55-3	4-Bromophenyl-phenylether	0.020	U	1	0.020	0.12	mg/Kg	11/03/25 18:16	PB170372
118-74-1	Hexachlorobenzene	0.018	U	1	0.018	0.12	mg/Kg	11/03/25 18:16	PB170372
1912-24-9	Atrazine	0.024	U	1	0.024	0.12	mg/Kg	11/03/25 18:16	PB170372
87-86-5	Pentachlorophenol	0.036	U	1	0.036	0.23	mg/Kg	11/03/25 18:16	PB170372
85-01-8	Phenanthrene	0.29		1	0.015	0.12	mg/Kg	11/03/25 18:16	PB170372
120-12-7	Anthracene	0.095	J	1	0.023	0.12	mg/Kg	11/03/25 18:16	PB170372
86-74-8	Carbazole	0.022	U	1	0.022	0.12	mg/Kg	11/03/25 18:16	PB170372
84-74-2	Di-n-butylphthalate	0.034	U	1	0.034	0.12	mg/Kg	11/03/25 18:16	PB170372
206-44-0	Fluoranthene	0.71		1	0.021	0.12	mg/Kg	11/03/25 18:16	PB170372
129-00-0	Pyrene	0.66		1	0.025	0.12	mg/Kg	11/03/25 18:16	PB170372
85-68-7	Butylbenzylphthalate	0.050	U	1	0.050	0.12	mg/Kg	11/03/25 18:16	PB170372
91-94-1	3,3-Dichlorobenzidine	0.026	U	1	0.026	0.23	mg/Kg	11/03/25 18:16	PB170372
56-55-3	Benzo(a)anthracene	0.42		1	0.016	0.12	mg/Kg	11/03/25 18:16	PB170372
218-01-9	Chrysene	0.39		1	0.014	0.12	mg/Kg	11/03/25 18:16	PB170372
117-81-7	Bis(2-ethylhexyl)phthalate	0.042	U	1	0.042	0.12	mg/Kg	11/03/25 18:16	PB170372
117-84-0	Di-n-octyl phthalate	0.061	U	1	0.061	0.23	mg/Kg	11/03/25 18:16	PB170372
205-99-2	Benzo(b)fluoranthene	0.54		1	0.013	0.12	mg/Kg	11/03/25 18:16	PB170372
207-08-9	Benzo(k)fluoranthene	0.19		1	0.016	0.12	mg/Kg	11/03/25 18:16	PB170372
50-32-8	Benzo(a)pyrene	0.42		1	0.021	0.12	mg/Kg	11/03/25 18:16	PB170372
193-39-5	Indeno(1,2,3-cd)pyrene	0.25		1	0.021	0.12	mg/Kg	11/03/25 18:16	PB170372
53-70-3	Dibenzo(a,h)anthracene	0.080	J	1	0.019	0.12	mg/Kg	11/03/25 18:16	PB170372
191-24-2	Benzo(g,h,i)perylene	0.31		1	0.018	0.12	mg/Kg	11/03/25 18:16	PB170372
95-94-3	1,2,4,5-Tetrachlorobenzene	0.018	U	1	0.018	0.12	mg/Kg	11/03/25 18:16	PB170372
123-91-1	1,4-Dioxane	0.032	U	1	0.032	0.12	mg/Kg	11/03/25 18:16	PB170372
58-90-2	2,3,4,6-Tetrachlorophenol	0.019	U	1	0.019	0.12	mg/Kg	11/03/25 18:16	PB170372

SURROGATES

367-12-4	2-Fluorophenol	110		18 - 112	73%	SPK: 150
13127-88-3	Phenol-d6	109		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.7		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	60.9		10 - 105	61%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	431000
1146-65-2 Naphthalene-d8	1700000
15067-26-2 Acenaphthene-d10	1020000
1517-22-2 Phenanthrene-d10	1910000
1719-03-5 Chrysene-d12	1920000
1520-96-3 Perylene-d12	2190000

TENTATIVE IDENTIFIED COMPOUNDS

000057-55-6 Propylene Glycol	3100	J	3.50	ug/Kg
000629-50-5 Tridecane	240	J	11.9	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	10/31/25
Project:	Plainfield Gas and Appliance Service (PL)	Date Received:	10/31/25
Client Sample ID:	PL-01-103125	SDG No.:	Q3519
Lab Sample ID:	Q3519-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
Sample Wt/Vol:	50.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000629-59-4	Tetradecane	340	J			13.2	ug/Kg		
000629-78-7	Heptadecane	380	J			14.2	ug/Kg		
000544-76-3	Hexadecane	380	J			15.2	ug/Kg		
000119-61-9	Benzophenone	230	J			15.7	ug/Kg		
000629-92-5	Nonadecane	430	J			16.1	ug/Kg		
000593-45-3	Octadecane	380	J			16.9	ug/Kg		
000593-49-7	Heptacosane	160	J			17.0	ug/Kg		
000629-62-9	Pentadecane	320	J			17.7	ug/Kg		
000057-10-3	n-Hexadecanoic acid	650	J			18.1	ug/Kg		
055045-09-5	Tridecane, 7-propyl-	250	J			18.4	ug/Kg		
000629-94-7	Heneicosane	220	J			19.1	ug/Kg		
000057-11-4	Octadecanoic acid	150	J			19.4	ug/Kg		
000192-97-2	Benzo[e]pyrene	440	J			24.6	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