

Report of Analysis

Client:	PSEG	Date Collected:	10/09/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/09/25
Client Sample ID:	OR-02-100925	SDG No.:	Q3322
Lab Sample ID:	Q3322-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143925.D	2	10/10/25 09:35	10/10/25 15:23	PB170055

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.20	U	0.20	0.43	mg/Kg
108-95-2	Phenol	0.029	U	0.029	0.22	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.031	U	0.031	0.22	mg/Kg
95-57-8	2-Chlorophenol	0.031	U	0.031	0.22	mg/Kg
95-48-7	2-Methylphenol	0.039	U	0.039	0.22	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.048	U	0.048	0.22	mg/Kg
98-86-2	Acetophenone	0.038	U	0.038	0.22	mg/Kg
65794-96-9	3+4-Methylphenols	0.053	U	0.053	0.43	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.061	U	0.061	0.10	mg/Kg
67-72-1	Hexachloroethane	0.023	U	0.023	0.22	mg/Kg
98-95-3	Nitrobenzene	0.024	U	0.024	0.22	mg/Kg
78-59-1	Isophorone	0.042	U	0.042	0.22	mg/Kg
88-75-5	2-Nitrophenol	0.075	U	0.075	0.22	mg/Kg
105-67-9	2,4-Dimethylphenol	0.084	U	0.084	0.22	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.040	U	0.040	0.22	mg/Kg
120-83-2	2,4-Dichlorophenol	0.037	U	0.037	0.22	mg/Kg
91-20-3	Naphthalene	0.10	J	0.029	0.22	mg/Kg
106-47-8	4-Chloroaniline	0.046	U	0.046	0.22	mg/Kg
87-68-3	Hexachlorobutadiene	0.033	U	0.033	0.22	mg/Kg
105-60-2	Caprolactam	0.067	U	0.067	0.43	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.037	U	0.037	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.033	U	0.033	0.22	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.15	U	0.15	0.43	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.026	U	0.026	0.22	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.038	U	0.038	0.22	mg/Kg
92-52-4	1,1-Biphenyl	0.028	U	0.028	0.22	mg/Kg
91-58-7	2-Chloronaphthalene	0.029	U	0.029	0.22	mg/Kg
88-74-4	2-Nitroaniline	0.062	U	0.062	0.22	mg/Kg
131-11-3	Dimethylphthalate	0.035	U	0.035	0.22	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	10/09/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/09/25
Client Sample ID:	OR-02-100925	SDG No.:	Q3322
Lab Sample ID:	Q3322-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93
Sample Wt/Vol:	50.06 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
BF143925.D	2	10/10/25 09:35	10/10/25 15:23	PB170055

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.037	U	0.037	0.22	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.043	U	0.043	0.22	mg/Kg
99-09-2	3-Nitroaniline	0.059	U	0.059	0.22	mg/Kg
83-32-9	Acenaphthene	0.24		0.028	0.22	mg/Kg
51-28-5	2,4-Dinitrophenol	0.30	U	0.30	0.43	mg/Kg
100-02-7	4-Nitrophenol	0.14	U	0.14	0.43	mg/Kg
132-64-9	Dibenzofuran	0.13	J	0.029	0.22	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.065	U	0.065	0.22	mg/Kg
84-66-2	Diethylphthalate	0.037	U	0.037	0.22	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.034	U	0.034	0.22	mg/Kg
86-73-7	Fluorene	0.30		0.033	0.22	mg/Kg
100-01-6	4-Nitroaniline	0.083	U	0.083	0.22	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.13	U	0.13	0.43	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.042	U	0.042	0.22	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.036	U	0.036	0.22	mg/Kg
118-74-1	Hexachlorobenzene	0.033	U	0.033	0.22	mg/Kg
1912-24-9	Atrazine	0.044	U	0.044	0.22	mg/Kg
87-86-5	Pentachlorophenol	0.066	U	0.066	0.43	mg/Kg
85-01-8	Phenanthrene	1.70		0.027	0.22	mg/Kg
120-12-7	Anthracene	0.55		0.043	0.22	mg/Kg
86-74-8	Carbazole	0.23		0.040	0.22	mg/Kg
84-74-2	Di-n-butylphthalate	0.062	U	0.062	0.22	mg/Kg
206-44-0	Fluoranthene	2.80		0.039	0.22	mg/Kg
129-00-0	Pyrene	1.80		0.046	0.22	mg/Kg
85-68-7	Butylbenzylphthalate	0.092	U	0.092	0.22	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.047	U	0.047	0.43	mg/Kg
56-55-3	Benzo(a)anthracene	1.40		0.030	0.22	mg/Kg
218-01-9	Chrysene	1.20		0.026	0.22	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.076	U	0.076	0.22	mg/Kg
117-84-0	Di-n-octyl phthalate	0.11	U	0.11	0.43	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.025	0.22	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	10/09/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/09/25
Client Sample ID:	OR-02-100925	SDG No.:	Q3322
Lab Sample ID:	Q3322-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93
Sample Wt/Vol:	50.06 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
BF143925.D	2	10/10/25 09:35	10/10/25 15:23	PB170055

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	0.55		0.029	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.038	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.40		0.038	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	J	0.035	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.46		0.033	0.22	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	0.033	0.22	mg/Kg
123-91-1	1,4-Dioxane	0.058	U	0.058	0.22	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.035	U	0.035	0.22	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	62.0		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	58.4		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.2		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.7		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	45.8		10 - 116	31%	SPK: 150
1718-51-0	Terphenyl-d14	35.0		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	120000	6.881
1146-65-2	Naphthalene-d8	446000	8.163
15067-26-2	Acenaphthene-d10	221000	9.922
1517-22-2	Phenanthrene-d10	331000	11.41
1719-03-5	Chrysene-d12	283000	14.063
1520-96-3	Perylene-d12	295000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	140	J	10.6	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	100	J	11.0	ug/Kg
000132-65-0	Dibenzothiophene	130	J	11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	720	J	11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	88.1	J	12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	610	J	12.0	ug/Kg
093327-56-1	6-Phenylbenzocyclohepten-7-one	150	J	12.2	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	10/09/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	10/09/25
Client Sample ID:	OR-02-100925	SDG No.:	Q3322
Lab Sample ID:	Q3322-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93
Sample Wt/Vol:	50.06 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
BF143925.D	2	10/10/25 09:35	10/10/25 15:23	PB170055

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000781-43-1	9,10-Dimethylanthracene	190	J		12.5	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	140	J		12.6	ug/Kg
002381-21-7	Pyrene, 1-methyl-	110	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	200	J		13.2	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	98.4	J		13.8	ug/Kg
000192-97-2	Benzo[e]pyrene	210	J		15.2	ug/Kg
000198-55-0	Perylene	700	J		15.4	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