

Report of Analysis

Client:	PSEG	Date Collected:	07/31/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/31/25
Client Sample ID:	OR-02-07312025	SDG No.:	Q2740
Lab Sample ID:	Q2740-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
Sample Wt/Vol:	50.08 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
BF143296.D	1	08/04/25 09:20	08/04/25 15:09	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.099	U	0.099	0.21	mg/Kg
108-95-2	Phenol	0.014	U	0.014	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.015	U	0.015	0.11	mg/Kg
95-57-8	2-Chlorophenol	0.016	U	0.016	0.11	mg/Kg
95-48-7	2-Methylphenol	0.019	U	0.019	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.024	U	0.024	0.11	mg/Kg
98-86-2	Acetophenone	0.019	U	0.019	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.026	U	0.026	0.21	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.030	U	0.030	0.051	mg/Kg
67-72-1	Hexachloroethane	0.011	U	0.011	0.11	mg/Kg
98-95-3	Nitrobenzene	0.012	U	0.012	0.11	mg/Kg
78-59-1	Isophorone	0.021	U	0.021	0.11	mg/Kg
88-75-5	2-Nitrophenol	0.037	U	0.037	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.041	U	0.041	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.020	U	0.020	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	0.018	U	0.018	0.11	mg/Kg
91-20-3	Naphthalene	0.11		0.014	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.022	U	0.022	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	0.016	U	0.016	0.11	mg/Kg
105-60-2	Caprolactam	0.033	U	0.033	0.21	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.018	U	0.018	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	0.063	J	0.016	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.074	U	0.074	0.21	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.013	U	0.013	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.018	U	0.018	0.11	mg/Kg
92-52-4	1,1-Biphenyl	0.014	U	0.014	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	0.014	U	0.014	0.11	mg/Kg
88-74-4	2-Nitroaniline	0.031	U	0.031	0.11	mg/Kg
131-11-3	Dimethylphthalate	0.017	U	0.017	0.11	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	07/31/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/31/25
Client Sample ID:	OR-02-07312025	SDG No.:	Q2740
Lab Sample ID:	Q2740-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
Sample Wt/Vol:	50.08 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
BF143296.D	1	08/04/25 09:20	08/04/25 15:09	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.11		0.018	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.021	U	0.021	0.11	mg/Kg
99-09-2	3-Nitroaniline	0.029	U	0.029	0.11	mg/Kg
83-32-9	Acenaphthene	0.16		0.014	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	0.15	U	0.15	0.21	mg/Kg
100-02-7	4-Nitrophenol	0.068	U	0.068	0.21	mg/Kg
132-64-9	Dibenzofuran	0.091	J	0.014	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.032	U	0.032	0.11	mg/Kg
84-66-2	Diethylphthalate	0.018	U	0.018	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	0.017	0.11	mg/Kg
86-73-7	Fluorene	0.25		0.016	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.041	U	0.041	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.065	U	0.065	0.21	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.021	U	0.021	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.018	U	0.018	0.11	mg/Kg
118-74-1	Hexachlorobenzene	0.016	U	0.016	0.11	mg/Kg
1912-24-9	Atrazine	0.022	U	0.022	0.11	mg/Kg
87-86-5	Pentachlorophenol	0.033	U	0.033	0.21	mg/Kg
85-01-8	Phenanthrene	1.30		0.013	0.11	mg/Kg
120-12-7	Anthracene	0.41		0.021	0.11	mg/Kg
86-74-8	Carbazole	0.093	J	0.020	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	0.030	U	0.030	0.11	mg/Kg
206-44-0	Fluoranthene	2.20	E	0.019	0.11	mg/Kg
129-00-0	Pyrene	1.20		0.023	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	0.045	U	0.045	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.023	U	0.023	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.86		0.015	0.11	mg/Kg
218-01-9	Chrysene	0.80		0.013	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.038	U	0.038	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	0.055	U	0.055	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.012	0.11	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	07/31/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/31/25
Client Sample ID:	OR-02-07312025	SDG No.:	Q2740
Lab Sample ID:	Q2740-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
Sample Wt/Vol:	50.08 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
BF143296.D	1	08/04/25 09:20	08/04/25 15:09	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	0.42		0.014	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	0.88		0.019	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.018	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.097	J	0.017	0.11	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.43		0.016	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.016	U	0.016	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.029	U	0.029	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.017	U	0.017	0.11	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	54.9		18 - 112	37%	SPK: 150
13127-88-3	Phenol-d6	52.7		15 - 107	35%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.4		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.1		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.8		10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	29.5		10 - 105	30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	110000	6.957
1146-65-2	Naphthalene-d8	379000	8.24
15067-26-2	Acenaphthene-d10	169000	9.992
1517-22-2	Phenanthrene-d10	271000	11.481
1719-03-5	Chrysene-d12	272000	14.127
1520-96-3	Perylene-d12	239000	15.633

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	420	J	2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A	5.18	ug/Kg
90-12-0	1-Methylnaphthalene	70.1	J	9.05	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	98.8	J	9.65	ug/Kg
000119-61-9	Benzophenone	94.4	J	10.7	ug/Kg
	unknown10.904	140	J	10.9	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	93.3	J	11.1	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	07/31/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/31/25
Client Sample ID:	OR-02-07312025	SDG No.:	Q2740
Lab Sample ID:	Q2740-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
Sample Wt/Vol:	50.08 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
BF143296.D	1	08/04/25 09:20	08/04/25 15:09	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000132-65-0	Dibenzothiophene	170	J		11.4	ug/Kg
005394-86-5	1H-Indene, 1-(phenylmethylene)-	91.4	J		11.8	ug/Kg
000613-12-7	Anthracene, 2-methyl-	750	J		12.0	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	130	J		12.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	750	J		12.1	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	260	J		12.3	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	120	J		12.5	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	220	J		12.5	ug/Kg
	unknown12.569	250	J		12.6	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	95.4	J		12.6	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	92.7	J		12.8	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	120	J		13.3	ug/Kg
000192-97-2	Benzo[e]pyrene	200	J		15.3	ug/Kg
000198-55-0	Perylene	690	J		15.5	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