

Report of Analysis

Client:	PSEG	Date Collected:	02/28/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025	SDG No.:	Q1475
Lab Sample ID:	Q1475-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
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		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141818.D	1	03/03/25 13:15	03/03/25 17:47	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.12	U	0.12	0.22	mg/Kg
108-95-2	Phenol	0.054	U	0.054	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.055	U	0.055	0.11	mg/Kg
95-57-8	2-Chlorophenol	0.055	U	0.055	0.11	mg/Kg
95-48-7	2-Methylphenol	0.053	U	0.053	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.060	U	0.060	0.11	mg/Kg
98-86-2	Acetophenone	0.057	U	0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.052	U	0.052	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.026	U	0.026	0.052	mg/Kg
67-72-1	Hexachloroethane	0.054	U	0.054	0.11	mg/Kg
98-95-3	Nitrobenzene	0.060	U	0.060	0.11	mg/Kg
78-59-1	Isophorone	0.055	U	0.055	0.11	mg/Kg
88-75-5	2-Nitrophenol	0.062	U	0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.061	U	0.061	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.056	U	0.056	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	0.049	U	0.049	0.11	mg/Kg
91-20-3	Naphthalene	0.054	U	0.054	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.054	U	0.054	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	0.055	U	0.055	0.11	mg/Kg
105-60-2	Caprolactam	0.057	U	0.057	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.051	U	0.051	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	0.057	J	0.054	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.10	U	0.10	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.047	U	0.047	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.049	U	0.049	0.11	mg/Kg
92-52-4	1,1-Biphenyl	0.057	U	0.057	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	0.055	U	0.055	0.11	mg/Kg
88-74-4	2-Nitroaniline	0.062	U	0.062	0.11	mg/Kg
131-11-3	Dimethylphthalate	0.054	U	0.054	0.11	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	02/28/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025	SDG No.:	Q1475
Lab Sample ID:	Q1475-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
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		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141818.D	1	03/03/25 13:15	03/03/25 17:47	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.057	U	0.057	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.055	U	0.055	0.11	mg/Kg
99-09-2	3-Nitroaniline	0.058	U	0.058	0.11	mg/Kg
83-32-9	Acenaphthene	0.33		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	0.16	U	0.16	0.22	mg/Kg
100-02-7	4-Nitrophenol	0.076	U	0.076	0.22	mg/Kg
132-64-9	Dibenzofuran	0.15		0.055	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.056	U	0.056	0.11	mg/Kg
84-66-2	Diethylphthalate	0.052	U	0.052	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.056	U	0.056	0.11	mg/Kg
86-73-7	Fluorene	0.41		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.070	U	0.070	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.077	U	0.077	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.053	U	0.053	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.052	U	0.052	0.11	mg/Kg
118-74-1	Hexachlorobenzene	0.056	U	0.056	0.11	mg/Kg
1912-24-9	Atrazine	0.060	U	0.060	0.11	mg/Kg
87-86-5	Pentachlorophenol	0.051	U	0.051	0.22	mg/Kg
85-01-8	Phenanthrene	2.00	E	0.055	0.11	mg/Kg
120-12-7	Anthracene	0.75		0.055	0.11	mg/Kg
86-74-8	Carbazole	0.41		0.053	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	0.055	U	0.055	0.11	mg/Kg
206-44-0	Fluoranthene	2.50	E	0.054	0.11	mg/Kg
129-00-0	Pyrene	1.90	E	0.054	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	0.063	U	0.063	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.065	U	0.065	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.40		0.053	0.11	mg/Kg
218-01-9	Chrysene	1.10		0.052	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.060	U	0.060	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	0.072	U	0.072	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.053	0.11	mg/Kg

Report of Analysis

Client:	PSEG	Date Collected:	02/28/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025	SDG No.:	Q1475
Lab Sample ID:	Q1475-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
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		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141818.D	1	03/03/25 13:15	03/03/25 17:47	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	0.50		0.054	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.10		0.061	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.41		0.051	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13		0.053	0.11	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.40		0.052	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.057	U	0.057	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.072	U	0.072	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.049	U	0.049	0.11	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	108		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.1		18 - 107	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.2		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		10 - 116	83%	SPK: 150
1718-51-0	Terphenyl-d14	74.8		10 - 105	75%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	122000	6.887
1146-65-2	Naphthalene-d8	483000	8.169
15067-26-2	Acenaphthene-d10	288000	9.922
1517-22-2	Phenanthrene-d10	570000	11.41
1719-03-5	Chrysene-d12	386000	14.051
1520-96-3	Perylene-d12	369000	15.521

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A	5.09	ug/Kg
000629-50-5	Tridecane	80.5	J	8.76	ug/Kg
000629-59-4	Tetradecane	180	J	9.32	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	58.9	J	9.50	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	110	J	9.58	ug/Kg
054410-98-9	1-Nonene, 4,6,8-trimethyl-	100	J	9.64	ug/Kg
000544-76-3	Hexadecane	220	J	9.85	ug/Kg

Report of Analysis

Client:	PSEG	Date Collected:	02/28/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025	SDG No.:	Q1475
Lab Sample ID:	Q1475-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
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		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141818.D	1	03/03/25 13:15	03/03/25 17:47	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
Total PAH	Total PAH	14200	J		9.95	ug/Kg
006165-40-8	Pentadecane, 7-methyl-	320	J		10.4	ug/Kg
004292-19-7	Dodecane, 1-iodo-	130	J		10.6	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
000629-78-7	Heptadecane	73.8	J		10.8	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	70.1	J		11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	65.7	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	110	J		12.0	ug/Kg
002381-21-7	Pyrene, 1-methyl-	63.1	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	130	J		13.2	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	100	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	58.9	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	240	J		15.2	ug/Kg
000198-55-0	Perylene	680	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