Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/22/25
Client Sample ID:	EO-02-04222025	SDG No.:	Q1853
Lab Sample ID:	Q1853-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	50.01 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
BM050021.D	2	04/23/25 09:20	04/23/25 19:50	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.21	U	0.21	0.45	mg/Kg
108-95-2	Phenol	0.030	U	0.030	0.23	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.033	U	0.033	0.23	mg/Kg
95-57-8	2-Chlorophenol	0.033	U	0.033	0.23	mg/Kg
95-48-7	2-Methylphenol	0.041	U	0.041	0.23	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.051	U	0.051	0.23	mg/Kg
98-86-2	Acetophenone	0.040	U	0.040	0.23	mg/Kg
65794-96-9	3+4-Methylphenols	0.056	U	0.056	0.45	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.065	U	0.065	0.11	mg/Kg
67-72-1	Hexachloroethane	0.024	U	0.024	0.23	mg/Kg
98-95-3	Nitrobenzene	0.025	U	0.025	0.23	mg/Kg
78-59-1	Isophorone	0.045	U	0.045	0.23	mg/Kg
88-75-5	2-Nitrophenol	0.079	U	0.079	0.23	mg/Kg
105-67-9	2,4-Dimethylphenol	0.088	U	0.088	0.23	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.042	U	0.042	0.23	mg/Kg
120-83-2	2,4-Dichlorophenol	0.039	U	0.039	0.23	mg/Kg
91-20-3	Naphthalene	0.031	U	0.031	0.23	mg/Kg
106-47-8	4-Chloroaniline	0.048	U	0.048	0.23	mg/Kg
87-68-3	Hexachlorobutadiene	0.035	U	0.035	0.23	mg/Kg
105-60-2	Caprolactam	0.071	U	0.071	0.45	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.039	U	0.039	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.035	U	0.035	0.23	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.16	U	0.16	0.45	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.027	U	0.027	0.23	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.040	U	0.040	0.23	mg/Kg
92-52-4	1,1-Biphenyl	0.030	U	0.030	0.23	mg/Kg
91-58-7	2-Chloronaphthalene	0.031	U	0.031	0.23	mg/Kg
88-74-4	2-Nitroaniline	0.066	U	0.066	0.23	mg/Kg
131-11-3	Dimethylphthalate	0.037	U	0.037	0.23	mg/Kg

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/22/25
Client Sample ID:	EO-02-04222025	SDG No.:	Q1853
Lab Sample ID:	Q1853-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	50.01 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
BM050021.D	2	04/23/25 09:20	04/23/25 19:50	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.25		0.039	0.23	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.046	U	0.046	0.23	mg/Kg
99-09-2	3-Nitroaniline	0.063	U	0.063	0.23	mg/Kg
83-32-9	Acenaphthene	0.029	U	0.029	0.23	mg/Kg
51-28-5	2,4-Dinitrophenol	0.31	U	0.31	0.45	mg/Kg
100-02-7	4-Nitrophenol	0.15	U	0.15	0.45	mg/Kg
132-64-9	Dibenzofuran	0.031	U	0.031	0.23	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.068	U	0.068	0.23	mg/Kg
84-66-2	Diethylphthalate	0.039	U	0.039	0.23	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.036	U	0.036	0.23	mg/Kg
86-73-7	Fluorene	0.035	U	0.035	0.23	mg/Kg
100-01-6	4-Nitroaniline	0.088	U	0.088	0.23	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.45	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.045	U	0.045	0.23	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.038	U	0.038	0.23	mg/Kg
118-74-1	Hexachlorobenzene	0.035	U	0.035	0.23	mg/Kg
1912-24-9	Atrazine	0.046	U	0.046	0.23	mg/Kg
87-86-5	Pentachlorophenol	0.070	U	0.070	0.45	mg/Kg
85-01-8	Phenanthrene	0.66		0.029	0.23	mg/Kg
120-12-7	Anthracene	0.21	J	0.045	0.23	mg/Kg
86-74-8	Carbazole	0.043	U	0.043	0.23	mg/Kg
84-74-2	Di-n-butylphthalate	0.065	U	0.065	0.23	mg/Kg
206-44-0	Fluoranthene	1.70		0.041	0.23	mg/Kg
129-00-0	Pyrene	1.50		0.049	0.23	mg/Kg
85-68-7	Butylbenzylphthalate	0.097	U	0.097	0.23	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.050	U	0.050	0.45	mg/Kg
56-55-3	Benzo(a)anthracene	0.85		0.031	0.23	mg/Kg
218-01-9	Chrysene	0.84		0.027	0.23	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.081	U	0.081	0.23	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.45	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.20		0.026	0.23	mg/Kg

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/22/25
Client Sample ID:	EO-02-04222025	SDG No.:	Q1853
Lab Sample ID:	Q1853-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	50.01 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
BM050021.D	2	04/23/25 09:20	04/23/25 19:50	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	0.44		0.031	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.94		0.040	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52		0.040	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	J	0.037	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.61		0.035	0.23	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.035	U	0.035	0.23	mg/Kg
123-91-1	1,4-Dioxane	0.062	U	0.062	0.23	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.037	U	0.037	0.23	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.9		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	70.1		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.4		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.3		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.5		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	47.5		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.763			
1146-65-2	Naphthalene-d8	876000	10.557			
15067-26-2	Acenaphthene-d10	610000	14.41			
1517-22-2	Phenanthrene-d10	1270000	17.151			
1719-03-5	Chrysene-d12	1270000	21.398			
1520-96-3	Perylene-d12	1280000	24.397			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A		4.88	ug/Kg
	unknown12.228	130	J		12.2	ug/Kg
000119-61-9	Benzophenone	200	J		15.8	ug/Kg
000373-49-9	Palmitoleic acid	160	J		17.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	300	J		18.2	ug/Kg
000779-02-2	Anthracene, 9-methyl-	93.2	J		18.3	ug/Kg

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	04/22/25
Client Sample ID:	EO-02-04222025	SDG No.:	Q1853
Lab Sample ID:	Q1853-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88
Sample Wt/Vol:	50.01 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
BM050021.D	2	04/23/25 09:20	04/23/25 19:50	PB167711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000084-65-1	9,10-Anthracenedione	96.3	J		18.6	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	120	J		19.0	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	96.8	J		19.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	120	J		20.1	ug/Kg
000192-97-2	Benzo[e]pyrene	810	J		24.1	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