Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	PSEG Orange Gas	Date Received:	11/21/25
Client Sample ID:	RBR200028-RT5376-COMP	SDG No.:	Q3710
Lab Sample ID:	Q3710-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	88.7
Sample Wt/Vol:	50.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	0.45	U	2	0.21	0.45	mg/Kg	11/24/25 23:13	PB170706
108-95-2	Phenol	0.23	U	2	0.030	0.23	mg/Kg	11/24/25 23:13	PB170706
111-44-4	bis(2-Chloroethyl)ether	0.23	U	2	0.033	0.23	mg/Kg	11/24/25 23:13	PB170706
95-57-8	2-Chlorophenol	0.23	U	2	0.033	0.23	mg/Kg	11/24/25 23:13	PB170706
95-48-7	2-Methylphenol	0.23	U	2	0.040	0.23	mg/Kg	11/24/25 23:13	PB170706
108-60-1	2,2-oxybis(1-Chloropropane)	0.23	U	2	0.051	0.23	mg/Kg	11/24/25 23:13	PB170706
98-86-2	Acetophenone	0.23	U	2	0.040	0.23	mg/Kg	11/24/25 23:13	PB170706
65794-96-9	3+4-Methylphenols	0.45	U	2	0.056	0.45	mg/Kg	11/24/25 23:13	PB170706
621-64-7	n-Nitroso-di-n-propylamine	0.11	U	2	0.064	0.11	mg/Kg	11/24/25 23:13	PB170706
67-72-1	Hexachloroethane	0.23	U	2	0.024	0.23	mg/Kg	11/24/25 23:13	PB170706
98-95-3	Nitrobenzene	0.23	U	2	0.025	0.23	mg/Kg	11/24/25 23:13	PB170706
78-59-1	Isophorone	0.23	U	2	0.044	0.23	mg/Kg	11/24/25 23:13	PB170706
88-75-5	2-Nitrophenol	0.23	U	2	0.079	0.23	mg/Kg	11/24/25 23:13	PB170706
105-67-9	2,4-Dimethylphenol	0.23	U	2	0.088	0.23	mg/Kg	11/24/25 23:13	PB170706
111-91-1	bis(2-Chloroethoxy)methane	0.23	U	2	0.042	0.23	mg/Kg	11/24/25 23:13	PB170706
120-83-2	2,4-Dichlorophenol	0.23	U	2	0.038	0.23	mg/Kg	11/24/25 23:13	PB170706
91-20-3	Naphthalene	3.10		2	0.031	0.23	mg/Kg	11/24/25 23:13	PB170706
106-47-8	4-Chloroaniline	0.23	U	2	0.048	0.23	mg/Kg	11/24/25 23:13	PB170706
87-68-3	Hexachlorobutadiene	0.23	U	2	0.034	0.23	mg/Kg	11/24/25 23:13	PB170706
105-60-2	Caprolactam	0.45	U	2	0.070	0.45	mg/Kg	11/24/25 23:13	PB170706
59-50-7	4-Chloro-3-methylphenol	0.23	U	2	0.039	0.23	mg/Kg	11/24/25 23:13	PB170706
91-57-6	2-Methylnaphthalene	3.70	E	2	0.035	0.23	mg/Kg	11/24/25 23:13	PB170706
77-47-4	Hexachlorocyclopentadiene	0.45	U	2	0.16	0.45	mg/Kg	11/24/25 23:13	PB170706
88-06-2	2,4,6-Trichlorophenol	0.23	U	2	0.027	0.23	mg/Kg	11/24/25 23:13	PB170706
95-95-4	2,4,5-Trichlorophenol	0.23	U	2	0.039	0.23	mg/Kg	11/24/25 23:13	PB170706
92-52-4	1,1-Biphenyl	0.43		2	0.029	0.23	mg/Kg	11/24/25 23:13	PB170706
91-58-7	2-Chloronaphthalene	0.23	U	2	0.030	0.23	mg/Kg	11/24/25 23:13	PB170706
88-74-4	2-Nitroaniline	0.23	U	2	0.065	0.23	mg/Kg	11/24/25 23:13	PB170706
131-11-3	Dimethylphthalate	0.23	U	2	0.037	0.23	mg/Kg	11/24/25 23:13	PB170706
208-96-8	Acenaphthylene	1.00		2	0.039	0.23	mg/Kg	11/24/25 23:13	PB170706
606-20-2	2,6-Dinitrotoluene	0.23	U	2	0.045	0.23	mg/Kg	11/24/25 23:13	PB170706
99-09-2	3-Nitroaniline	0.23	U	2	0.062	0.23	mg/Kg	11/24/25 23:13	PB170706
83-32-9	Acenaphthene	0.83		2	0.029	0.23	mg/Kg	11/24/25 23:13	PB170706
51-28-5	2,4-Dinitrophenol	0.45	U	2	0.31	0.45	mg/Kg	11/24/25 23:13	PB170706
100-02-7	4-Nitrophenol	0.45	U	2	0.14	0.45	mg/Kg	11/24/25 23:13	PB170706
132-64-9	Dibenzofuran	0.24		2	0.031	0.23	mg/Kg	11/24/25 23:13	PB170706
121-14-2	2,4-Dinitrotoluene	0.23	U	2	0.068	0.23	mg/Kg	11/24/25 23:13	PB170706
84-66-2	Diethylphthalate	0.23	U	2	0.038	0.23	mg/Kg	11/24/25 23:13	PB170706
7005-72-3	4-Chlorophenyl-phenylether	0.23	U	2	0.036	0.23	mg/Kg	11/24/25 23:13	PB170706
86-73-7	Fluorene	2.60		2	0.034	0.23	mg/Kg	11/24/25 23:13	PB170706
100-01-6	4-Nitroaniline	0.23	U	2	0.087	0.23	mg/Kg	11/24/25 23:13	PB170706
534-52-1	4,6-Dinitro-2-methylphenol	0.45	U	2	0.14	0.45	mg/Kg	11/24/25 23:13	PB170706

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Lab Sample ID:	Q3710-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	88.7
Sample Wt/Vol:	50.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.23	U	2	0.044	0.23	mg/Kg	11/24/25 23:13	PB170706
101-55-3	4-Bromophenyl-phenylether	0.23	U	2	0.038	0.23	mg/Kg	11/24/25 23:13	PB170706
118-74-1	Hexachlorobenzene	0.23	U	2	0.034	0.23	mg/Kg	11/24/25 23:13	PB170706
1912-24-9	Atrazine	0.23	U	2	0.046	0.23	mg/Kg	11/24/25 23:13	PB170706
87-86-5	Pentachlorophenol	0.45	U	2	0.069	0.45	mg/Kg	11/24/25 23:13	PB170706
85-01-8	Phenanthrene	5.80	E	2	0.028	0.23	mg/Kg	11/24/25 23:13	PB170706
120-12-7	Anthracene	1.50		2	0.045	0.23	mg/Kg	11/24/25 23:13	PB170706
86-74-8	Carbazole	0.23	U	2	0.042	0.23	mg/Kg	11/24/25 23:13	PB170706
84-74-2	Di-n-butylphthalate	0.23	U	2	0.065	0.23	mg/Kg	11/24/25 23:13	PB170706
206-44-0	Fluoranthene	3.40		2	0.041	0.23	mg/Kg	11/24/25 23:13	PB170706
129-00-0	Pyrene	4.00	E	2	0.049	0.23	mg/Kg	11/24/25 23:13	PB170706
85-68-7	Butylbenzylphthalate	0.23	U	2	0.096	0.23	mg/Kg	11/24/25 23:13	PB170706
91-94-1	3,3-Dichlorobenzidine	0.45	U	2	0.050	0.45	mg/Kg	11/24/25 23:13	PB170706
56-55-3	Benzo(a)anthracene	2.30		2	0.031	0.23	mg/Kg	11/24/25 23:13	PB170706
218-01-9	Chrysene	2.30		2	0.027	0.23	mg/Kg	11/24/25 23:13	PB170706
117-81-7	Bis(2-ethylhexyl)phthalate	0.23	U	2	0.080	0.23	mg/Kg	11/24/25 23:13	PB170706
117-84-0	Di-n-octyl phthalate	0.45	U	2	0.12	0.45	mg/Kg	11/24/25 23:13	PB170706
205-99-2	Benzo(b)fluoranthene	1.90		2	0.026	0.23	mg/Kg	11/24/25 23:13	PB170706
207-08-9	Benzo(k)fluoranthene	0.27		2	0.030	0.23	mg/Kg	11/24/25 23:13	PB170706
50-32-8	Benzo(a)pyrene	1.70		2	0.040	0.23	mg/Kg	11/24/25 23:13	PB170706
193-39-5	Indeno(1,2,3-cd)pyrene	0.43		2	0.039	0.23	mg/Kg	11/24/25 23:13	PB170706
53-70-3	Dibenzo(a,h)anthracene	0.19	J	2	0.037	0.23	mg/Kg	11/24/25 23:13	PB170706
191-24-2	Benzo(g,h,i)perylene	0.63		2	0.035	0.23	mg/Kg	11/24/25 23:13	PB170706
95-94-3	1,2,4,5-Tetrachlorobenzene	0.23	U	2	0.035	0.23	mg/Kg	11/24/25 23:13	PB170706
123-91-1	1,4-Dioxane	0.23	U	2	0.061	0.23	mg/Kg	11/24/25 23:13	PB170706
58-90-2	2,3,4,6-Tetrachlorophenol	0.23	U	2	0.037	0.23	mg/Kg	11/24/25 23:13	PB170706
SURROGATES									
367-12-4	2-Fluorophenol	83.9			10 - 105	56%	SPK: 150		
13127-88-3	Phenol-d6	79.9			10 - 103	53%	SPK: 150		
4165-60-0	Nitrobenzene-d5	52.8			10 - 108	53%	SPK: 100		
321-60-8	2-Fluorobiphenyl	49.9			10 - 108	50%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	71.1			10 - 116	47%	SPK: 150		
1718-51-0	Terphenyl-d14	38.2			10 - 109	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	47500							
1146-65-2	Naphthalene-d8	162000							
15067-26-2	Acenaphthene-d10	88000							
1517-22-2	Phenanthrene-d10	166000							
1719-03-5	Chrysene-d12	159000							
1520-96-3	Perylene-d12	150000							
TENTATIVE IDENTIFIED COMPOUNDS									
000496-11-7	Indane	630	J			7.04	ug/Kg		
90-12-0	1-Methylnaphthalene	3100	J			8.96	ug/Kg		

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Lab Sample ID:	Q3710-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	88.7
Sample Wt/Vol:	50.09 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000939-27-5	Naphthalene, 2-ethyl-	560	J			9.42	ug/Kg		
000571-61-9	Naphthalene, 1,5-dimethyl-	1500	J			9.49	ug/Kg		
000575-37-1	Naphthalene, 1,7-dimethyl-	1700	J			9.56	ug/Kg		
000575-43-9	Naphthalene, 1,6-dimethyl-	920	J			9.59	ug/Kg		
000575-41-7	Naphthalene, 1,3-dimethyl-	940	J			9.68	ug/Kg		
002245-38-7	Naphthalene, 1,6,7-trimethyl-	590	J			10.2	ug/Kg		
002131-42-2	Naphthalene, 1,4,6-trimethyl-	890	J			10.3	ug/Kg		
000832-71-3	Phenanthrene, 3-methyl-	480	J			11.9	ug/Kg		
003674-66-6	Phenanthrene, 2,5-dimethyl-	500	J			12.5	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	770	J			13.2	ug/Kg		
002381-21-7	Pyrene, 1-methyl-	470	J			13.3	ug/Kg		
064401-21-4	Pyrene, 1,3-dimethyl-	750	J			13.6	ug/Kg		
000192-97-2	Benzo[e]pyrene	1200	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