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:	06/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	06/24/25
Client Sample ID:	TR-05-062425	SDG No.:	Q2412
Lab Sample ID:	Q2412-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	96.8
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
BF142854.D	2	06/25/25 09:45	06/25/25 23:41	PB168610

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.19	U	0.19	0.41	mg/Kg
108-95-2	Phenol	0.027	U	0.027	0.21	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.030	U	0.030	0.21	mg/Kg
95-57-8	2-Chlorophenol	0.030	U	0.030	0.21	mg/Kg
95-48-7	2-Methylphenol	0.037	U	0.037	0.21	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.046	U	0.046	0.21	mg/Kg
98-86-2	Acetophenone	0.037	U	0.037	0.21	mg/Kg
65794-96-9	3+4-Methylphenols	0.051	U	0.051	0.41	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.059	U	0.059	0.099	mg/Kg
67-72-1	Hexachloroethane	0.022	U	0.022	0.21	mg/Kg
98-95-3	Nitrobenzene	0.023	U	0.023	0.21	mg/Kg
78-59-1	Isophorone	0.041	U	0.041	0.21	mg/Kg
88-75-5	2-Nitrophenol	0.072	U	0.072	0.21	mg/Kg
105-67-9	2,4-Dimethylphenol	0.080	U	0.080	0.21	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.038	U	0.038	0.21	mg/Kg
120-83-2	2,4-Dichlorophenol	0.035	U	0.035	0.21	mg/Kg
91-20-3	Naphthalene	0.028	U	0.028	0.21	mg/Kg
106-47-8	4-Chloroaniline	0.044	U	0.044	0.21	mg/Kg
87-68-3	Hexachlorobutadiene	0.031	U	0.031	0.21	mg/Kg
105-60-2	Caprolactam	0.065	U	0.065	0.41	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.036	U	0.036	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.092	J	0.032	0.21	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.14	U	0.14	0.41	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.025	U	0.025	0.21	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.036	U	0.036	0.21	mg/Kg
92-52-4	1,1-Biphenyl	0.027	U	0.027	0.21	mg/Kg
91-58-7	2-Chloronaphthalene	0.028	U	0.028	0.21	mg/Kg
88-74-4	2-Nitroaniline	0.060	U	0.060	0.21	mg/Kg
131-11-3	Dimethylphthalate	0.034	U	0.034	0.21	mg/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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208-96-8	Acenaphthylene	0.036	U	0.036	0.21	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.042	U	0.042	0.21	mg/Kg
99-09-2	3-Nitroaniline	0.057	U	0.057	0.21	mg/Kg
83-32-9	Acenaphthene	0.026	U	0.026	0.21	mg/Kg
51-28-5	2,4-Dinitrophenol	0.28	U	0.28	0.41	mg/Kg
100-02-7	4-Nitrophenol	0.13	U	0.13	0.41	mg/Kg
132-64-9	Dibenzofuran	0.028	U	0.028	0.21	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.062	U	0.062	0.21	mg/Kg
84-66-2	Diethylphthalate	0.035	U	0.035	0.21	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	0.033	0.21	mg/Kg
86-73-7	Fluorene	0.031	U	0.031	0.21	mg/Kg
100-01-6	4-Nitroaniline	0.080	U	0.080	0.21	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.13	U	0.13	0.41	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.041	U	0.041	0.21	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.034	U	0.034	0.21	mg/Kg
118-74-1	Hexachlorobenzene	0.031	U	0.031	0.21	mg/Kg
1912-24-9	Atrazine	0.042	U	0.042	0.21	mg/Kg
87-86-5	Pentachlorophenol	0.064	U	0.064	0.41	mg/Kg
85-01-8	Phenanthrene	0.095	J	0.026	0.21	mg/Kg
120-12-7	Anthracene	0.041	U	0.041	0.21	mg/Kg
86-74-8	Carbazole	0.039	U	0.039	0.21	mg/Kg
84-74-2	Di-n-butylphthalate	0.059	U	0.059	0.21	mg/Kg
206-44-0	Fluoranthene	0.23		0.037	0.21	mg/Kg
129-00-0	Pyrene	0.13	J	0.045	0.21	mg/Kg
85-68-7	Butylbenzylphthalate	0.088	U	0.088	0.21	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.045	U	0.045	0.41	mg/Kg
56-55-3	Benzo(a)anthracene	0.095	J	0.029	0.21	mg/Kg
218-01-9	Chrysene	0.11	J	0.025	0.21	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.073	U	0.073	0.21	mg/Kg
117-84-0	Di-n-octyl phthalate	0.11	U	0.11	0.41	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.15	J	0.024	0.21	mg/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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207-08-9	Benzo(k)fluoranthene	0.028	U	0.028	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.10	J	0.037	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.036	U	0.036	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.034	U	0.034	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.032	U	0.032	0.21	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.032	U	0.032	0.21	mg/Kg
123-91-1	1,4-Dioxane	0.056	U	0.056	0.21	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.034	U	0.034	0.21	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	63.1		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	57.6		15 - 107	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.2		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.9		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	33.8		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72900	6.875			
1146-65-2	Naphthalene-d8	224000	8.157			
15067-26-2	Acenaphthene-d10	94100	9.916			
1517-22-2	Phenanthrene-d10	182000	11.404			
1719-03-5	Chrysene-d12	189000	14.051			
1520-96-3	Perylene-d12	122000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000629-50-5	Tridecane	330	J		8.74	ug/Kg
	unknown9.110	250	J		9.11	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	380	J		9.18	ug/Kg
000629-59-4	Tetradecane	1100	J		9.32	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	400	J		9.57	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	720	J		9.63	ug/Kg
	unknown9.692	230	J		9.69	ug/Kg

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000544-76-3	Hexadecane	1200	J		9.85	ug/Kg
017312-73-1	Undecane, 5,5-dimethyl-	240	J		10.1	ug/Kg
000112-40-3	Dodecane	300	J		10.2	ug/Kg
002245-38-7	Naphthalene, 1,6,7-trimethyl-	260	J		10.2	ug/Kg
000629-92-5	Nonadecane	1400	J		10.3	ug/Kg
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	680	J		10.6	ug/Kg
000629-78-7	Heptadecane	2100	J		10.8	ug/Kg
000593-45-3	Octadecane	1400	J		11.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	500	J		11.3	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	1100	J		11.7	ug/Kg
000593-49-7	Heptacosane	980	J		12.1	ug/Kg
000629-94-7	Heneicosane	810	J		12.5	ug/Kg
000646-31-1	Tetracosane	280	J		13.2	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