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:	06/13/25
Project:	Mikula Contracting, Inc. (Clifton, NJ) MA00006789	Date Received:	06/13/25
Client Sample ID:	CL-01-061325	SDG No.:	Q2322
Lab Sample ID:	Q2322-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	50.05 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
BP024967.D	1	06/16/25 09:20	06/16/25 19:06	PB168486

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.11	U	0.11	0.23	mg/Kg
108-95-2	Phenol	0.015	U	0.015	0.12	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.017	U	0.017	0.12	mg/Kg
95-57-8	2-Chlorophenol	0.017	U	0.017	0.12	mg/Kg
95-48-7	2-Methylphenol	0.021	U	0.021	0.12	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.026	U	0.026	0.12	mg/Kg
98-86-2	Acetophenone	0.020	U	0.020	0.12	mg/Kg
65794-96-9	3+4-Methylphenols	0.028	U	0.028	0.23	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.033	U	0.033	0.055	mg/Kg
67-72-1	Hexachloroethane	0.012	U	0.012	0.12	mg/Kg
98-95-3	Nitrobenzene	0.013	U	0.013	0.12	mg/Kg
78-59-1	Isophorone	0.023	U	0.023	0.12	mg/Kg
88-75-5	2-Nitrophenol	0.040	U	0.040	0.12	mg/Kg
105-67-9	2,4-Dimethylphenol	0.044	U	0.044	0.12	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.021	U	0.021	0.12	mg/Kg
120-83-2	2,4-Dichlorophenol	0.019	U	0.019	0.12	mg/Kg
91-20-3	Naphthalene	0.016	U	0.016	0.12	mg/Kg
106-47-8	4-Chloroaniline	0.024	U	0.024	0.12	mg/Kg
87-68-3	Hexachlorobutadiene	0.017	U	0.017	0.12	mg/Kg
105-60-2	Caprolactam	0.036	U	0.036	0.23	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.020	U	0.020	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.018	U	0.018	0.12	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.080	U	0.080	0.23	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.014	U	0.014	0.12	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.020	U	0.020	0.12	mg/Kg
92-52-4	1,1-Biphenyl	0.015	U	0.015	0.12	mg/Kg
91-58-7	2-Chloronaphthalene	0.015	U	0.015	0.12	mg/Kg
88-74-4	2-Nitroaniline	0.033	U	0.033	0.12	mg/Kg
131-11-3	Dimethylphthalate	0.019	U	0.019	0.12	mg/Kg

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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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208-96-8	Acenaphthylene	0.081	J	0.020	0.12	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.023	U	0.023	0.12	mg/Kg
99-09-2	3-Nitroaniline	0.032	U	0.032	0.12	mg/Kg
83-32-9	Acenaphthene	0.17		0.015	0.12	mg/Kg
51-28-5	2,4-Dinitrophenol	0.16	U	0.16	0.23	mg/Kg
100-02-7	4-Nitrophenol	0.073	U	0.073	0.23	mg/Kg
132-64-9	Dibenzofuran	0.11	J	0.016	0.12	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.034	U	0.034	0.12	mg/Kg
84-66-2	Diethylphthalate	0.019	U	0.019	0.12	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.018	U	0.018	0.12	mg/Kg
86-73-7	Fluorene	0.21		0.017	0.12	mg/Kg
100-01-6	4-Nitroaniline	0.044	U	0.044	0.12	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.071	U	0.071	0.23	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.023	U	0.023	0.12	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.019	U	0.019	0.12	mg/Kg
118-74-1	Hexachlorobenzene	0.017	U	0.017	0.12	mg/Kg
1912-24-9	Atrazine	0.023	U	0.023	0.12	mg/Kg
87-86-5	Pentachlorophenol	0.035	U	0.035	0.23	mg/Kg
85-01-8	Phenanthrene	0.60		0.014	0.12	mg/Kg
120-12-7	Anthracene	0.45		0.023	0.12	mg/Kg
86-74-8	Carbazole	0.021	U	0.021	0.12	mg/Kg
84-74-2	Di-n-butylphthalate	0.033	U	0.033	0.12	mg/Kg
206-44-0	Fluoranthene	1.70		0.021	0.12	mg/Kg
129-00-0	Pyrene	1.50		0.025	0.12	mg/Kg
85-68-7	Butylbenzylphthalate	0.049	U	0.049	0.12	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.025	U	0.025	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	0.80		0.016	0.12	mg/Kg
218-01-9	Chrysene	0.68		0.014	0.12	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.041	U	0.041	0.12	mg/Kg
117-84-0	Di-n-octyl phthalate	0.060	U	0.060	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.83		0.013	0.12	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	0.33		0.015	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	0.72		0.020	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.020	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.11	J	0.019	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.41		0.018	0.12	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.018	U	0.018	0.12	mg/Kg
123-91-1	1,4-Dioxane	0.031	U	0.031	0.12	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.019	U	0.019	0.12	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.7		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	76.3		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.7		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.9		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	40.9		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	284000	7.607			
1146-65-2	Naphthalene-d8	1130000	10.378			
15067-26-2	Acenaphthene-d10	711000	14.248			
1517-22-2	Phenanthrene-d10	1410000	17.054			
1719-03-5	Chrysene-d12	1480000	21.489			
1520-96-3	Perylene-d12	1740000	24.765			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A		4.77	ug/Kg
000119-61-9	Benzophenone	170	J		15.6	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	71.6	J		16.3	ug/Kg
000132-65-0	Dibenzothiophene	130	J		16.9	ug/Kg
000244-99-5	5H-Indeno[1,2-b]pyridine	83.2	J		17.5	ug/Kg
000629-92-5	Nonadecane	76.1	J		17.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	160	J		18.0	ug/Kg

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002531-84-2	Phenanthrene, 2-methyl-	320	J		18.0	ug/Kg
000610-48-0	Anthracene, 1-methyl-	130	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	480	J		18.2	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	110	J		18.2	ug/Kg
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	120	J		18.5	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	200	J		18.9	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	120	J		19.0	ug/Kg
002381-21-7	Pyrene, 1-methyl-	72.7	J		19.9	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	100	J		20.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	92.4	J		20.2	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	68.1	J		21.2	ug/Kg
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	73.2	J		21.7	ug/Kg
000192-97-2	Benzo[e]pyrene	730	J		24.5	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