

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 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
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	390	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

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208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.8	U	76.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	390	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.3	U	37.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.3		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	84.3		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.6		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	34.2		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	78700	6.875
1146-65-2	Naphthalene-d8	300000	8.157
15067-26-2	Acenaphthene-d10	153000	9.916
1517-22-2	Phenanthrene-d10	208000	11.404
1719-03-5	Chrysene-d12	153000	14.051
1520-96-3	Perylene-d12	177000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB	5.09	ug/Kg
000119-61-9	Benzophenone	200	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	860	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	340	J	12.7	ug/Kg
000630-04-6	Hentriacontane	130	J	12.9	ug/Kg
000629-94-7	Heneicosane	140	J	13.6	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	190	J	13.9	ug/Kg

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000630-02-4	Octacosane	170	J		14.2	ug/Kg
000112-95-8	Eicosane	170	J		14.7	ug/Kg
000638-68-6	Triacontane	150	J		15.2	ug/Kg
000630-01-3	Hexacosane	100	J		15.7	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