

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 -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 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
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.1	U	25.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.6	U	27.6	190	ug/Kg
95-57-8	2-Chlorophenol	27.7	U	27.7	190	ug/Kg
95-48-7	2-Methylphenol	34.0	U	34.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.6	U	42.6	190	ug/Kg
98-86-2	Acetophenone	33.5	U	33.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.7	U	46.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.9	U	53.9	91.0	ug/Kg
67-72-1	Hexachloroethane	20.0	U	20.0	190	ug/Kg
98-95-3	Nitrobenzene	20.8	U	20.8	190	ug/Kg
78-59-1	Isophorone	37.3	U	37.3	190	ug/Kg
88-75-5	2-Nitrophenol	66.2	U	66.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.7	U	73.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.0	U	35.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.2	U	32.2	190	ug/Kg
91-20-3	Naphthalene	25.8	U	25.8	190	ug/Kg
106-47-8	4-Chloroaniline	40.3	U	40.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.8	U	28.8	190	ug/Kg
105-60-2	Caprolactam	59.2	U	59.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.6	U	32.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.1	U	29.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.5	U	22.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.1	U	33.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.6	U	25.6	190	ug/Kg
88-74-4	2-Nitroaniline	54.7	U	54.7	190	ug/Kg
131-11-3	Dimethylphthalate	30.8	U	30.8	190	ug/Kg

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208-96-8	Acenaphthylene	32.9	U	32.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.2	U	38.2	190	ug/Kg
99-09-2	3-Nitroaniline	52.3	U	52.3	190	ug/Kg
83-32-9	Acenaphthene	24.2	U	24.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.8	U	25.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.0	U	57.0	190	ug/Kg
84-66-2	Diethylphthalate	32.2	U	32.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.4	U	30.4	190	ug/Kg
86-73-7	Fluorene	28.8	U	28.8	190	ug/Kg
100-01-6	4-Nitroaniline	73.0	U	73.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.4	U	37.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.6	U	31.6	190	ug/Kg
118-74-1	Hexachlorobenzene	28.8	U	28.8	190	ug/Kg
1912-24-9	Atrazine	38.7	U	38.7	190	ug/Kg
87-86-5	Pentachlorophenol	58.3	U	58.3	380	ug/Kg
85-01-8	Phenanthrene	430		23.8	190	ug/Kg
120-12-7	Anthracene	85.8	J	37.9	190	ug/Kg
86-74-8	Carbazole	35.5	U	35.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.5	U	54.5	190	ug/Kg
206-44-0	Fluoranthene	550		34.1	190	ug/Kg
129-00-0	Pyrene	330		40.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.2	UQ	81.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.7	UQ	41.7	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		26.2	190	ug/Kg
218-01-9	Chrysene	200		22.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.3	U	67.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.7	U	98.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		21.6	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	110	J	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	220		33.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.5	J	33.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.2	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	29.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.1	U	29.1	190	ug/Kg
123-91-1	1,4-Dioxane	51.4	U	51.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.2	U	31.2	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.5		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	73.2		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	38.2		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62200	6.881
1146-65-2	Naphthalene-d8	204000	8.163
15067-26-2	Acenaphthene-d10	93600	9.916
1517-22-2	Phenanthrene-d10	176000	11.41
1719-03-5	Chrysene-d12	164000	14.051
1520-96-3	Perylene-d12	109000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB	5.09	ug/Kg
000119-61-9	Benzophenone	160	J	10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	390	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J	12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J	12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	78.5	J	13.2	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J	13.9	ug/Kg

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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