

## 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 -5                               | SDG No.:        | Q2393            |
| Lab Sample ID:     | Q2393-09                                  | Matrix:         | SOIL             |
| Analytical Method: | 8270E                                     | % Solid:        | 91.3             |
| Sample Wt/Vol:     | 30.06 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 |
| BF142826.D        | 1         | 06/24/25 13:00 | 06/24/25 18:34 | PB168601      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 170   | U         | 170  | 360        | ug/Kg             |
| 108-95-2       | Phenol                      | 24.2  | U         | 24.2 | 190        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 26.6  | U         | 26.6 | 190        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 26.7  | U         | 26.7 | 190        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 32.7  | U         | 32.7 | 190        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 41.0  | U         | 41.0 | 190        | ug/Kg             |
| 98-86-2        | Acetophenone                | 32.2  | U         | 32.2 | 190        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 44.9  | U         | 44.9 | 360        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 51.8  | U         | 51.8 | 87.4       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 19.2  | U         | 19.2 | 190        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 20.0  | U         | 20.0 | 190        | ug/Kg             |
| 78-59-1        | Isophorone                  | 35.9  | U         | 35.9 | 190        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 63.6  | U         | 63.6 | 190        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 70.8  | U         | 70.8 | 190        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 33.7  | U         | 33.7 | 190        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 30.9  | U         | 30.9 | 190        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 24.8  | U         | 24.8 | 190        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 38.7  | U         | 38.7 | 190        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 27.7  | U         | 27.7 | 190        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 57.0  | U         | 57.0 | 360        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 31.4  | U         | 31.4 | 190        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 28.0  | U         | 28.0 | 190        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 130   | U         | 130  | 360        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 21.6  | U         | 21.6 | 190        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 31.8  | U         | 31.8 | 190        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 23.8  | U         | 23.8 | 190        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 24.6  | U         | 24.6 | 190        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 52.6  | U         | 52.6 | 190        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 29.6  | U         | 29.6 | 190        | ug/Kg             |

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| Project:           | 190 Park Ave Hanover Twp NJ - PO 2556-001 |                  | Date Received:  | 06/23/25         |
| Client Sample ID:  | PARK AVE -5                               |                  | SDG No.:        | Q2393            |
| Lab Sample ID:     | Q2393-09                                  |                  | Matrix:         | SOIL             |
| Analytical Method: | 8270E                                     |                  | % Solid:        | 91.3             |
| Sample Wt/Vol:     | 30.06                                     | 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 |
| BF142826.D        | 1         | 06/24/25 13:00 | 06/24/25 18:34 | PB168601      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 31.6  | U         | 31.6 | 190        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 36.7  | U         | 36.7 | 190        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 50.3  | U         | 50.3 | 190        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 23.3  | U         | 23.3 | 190        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 250   | U         | 250  | 360        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 120   | U         | 120  | 360        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 24.8  | U         | 24.8 | 190        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 54.8  | U         | 54.8 | 190        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 30.9  | U         | 30.9 | 190        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 29.2  | U         | 29.2 | 190        | ug/Kg             |
| 86-73-7    | Fluorene                   | 27.7  | U         | 27.7 | 190        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 70.2  | U         | 70.2 | 190        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 110   | U         | 110  | 360        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 36.0  | U         | 36.0 | 190        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 30.4  | U         | 30.4 | 190        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 27.7  | U         | 27.7 | 190        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 37.2  | U         | 37.2 | 190        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 56.1  | U         | 56.1 | 360        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 22.8  | U         | 22.8 | 190        | ug/Kg             |
| 120-12-7   | Anthracene                 | 36.4  | U         | 36.4 | 190        | ug/Kg             |
| 86-74-8    | Carbazole                  | 34.1  | U         | 34.1 | 190        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 52.4  | U         | 52.4 | 190        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 160   | J         | 32.8 | 190        | ug/Kg             |
| 129-00-0   | Pyrene                     | 110   | J         | 39.4 | 190        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 78.0  | UQ        | 78.0 | 190        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 40.1  | UQ        | 40.1 | 360        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 25.1  | U         | 25.1 | 190        | ug/Kg             |
| 218-01-9   | Chrysene                   | 21.8  | U         | 21.8 | 190        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 64.7  | U         | 64.7 | 190        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 94.9  | U         | 94.9 | 360        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 92.1  | J         | 20.8 | 190        | ug/Kg             |

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| Client Sample ID:  | PARK AVE -5                               | SDG No.:        | Q2393            |
| Lab Sample ID:     | Q2393-09                                  | Matrix:         | SOIL             |
| Analytical Method: | 8270E                                     | % Solid:        | 91.3             |
| Sample Wt/Vol:     | 30.06 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                                    |                 |                  |

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| BF142826.D        | 1         | 06/24/25 13:00 | 06/24/25 18:34 | PB168601      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------------------|------------------------------------|--------|-----------|----------|------------|-------------------|
| 207-08-9                              | Benzo(k)fluoranthene               | 24.5   | U         | 24.5     | 190        | ug/Kg             |
| 50-32-8                               | Benzo(a)pyrene                     | 32.2   | U         | 32.2     | 190        | ug/Kg             |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene             | 31.8   | U         | 31.8     | 190        | ug/Kg             |
| 53-70-3                               | Dibenzo(a,h)anthracene             | 30.0   | U         | 30.0     | 190        | ug/Kg             |
| 191-24-2                              | Benzo(g,h,i)perylene               | 28.1   | U         | 28.1     | 190        | ug/Kg             |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene         | 28.0   | U         | 28.0     | 190        | ug/Kg             |
| 123-91-1                              | 1,4-Dioxane                        | 49.4   | U         | 49.4     | 190        | ug/Kg             |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol          | 30.0   | U         | 30.0     | 190        | ug/Kg             |
| <b>SURROGATES</b>                     |                                    |        |           |          |            |                   |
| 367-12-4                              | 2-Fluorophenol                     | 69.4   |           | 18 - 112 | 46%        | SPK: 150          |
| 13127-88-3                            | Phenol-d6                          | 71.0   |           | 15 - 107 | 47%        | SPK: 150          |
| 4165-60-0                             | Nitrobenzene-d5                    | 43.0   |           | 18 - 107 | 43%        | SPK: 100          |
| 321-60-8                              | 2-Fluorobiphenyl                   | 43.1   |           | 20 - 109 | 43%        | SPK: 100          |
| 118-79-6                              | 2,4,6-Tribromophenol               | 85.8   |           | 10 - 116 | 57%        | SPK: 150          |
| 1718-51-0                             | Terphenyl-d14                      | 41.5   |           | 10 - 105 | 41%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |          |            |                   |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 53300  | 6.881     |          |            |                   |
| 1146-65-2                             | Naphthalene-d8                     | 184000 | 8.163     |          |            |                   |
| 15067-26-2                            | Acenaphthene-d10                   | 94400  | 9.922     |          |            |                   |
| 1517-22-2                             | Phenanthrene-d10                   | 189000 | 11.41     |          |            |                   |
| 1719-03-5                             | Chrysene-d12                       | 152000 | 14.051    |          |            |                   |
| 1520-96-3                             | Perylene-d12                       | 103000 | 15.545    |          |            |                   |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |          |            |                   |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-   | 210    | AB        |          | 5.09       | ug/Kg             |
| 000119-61-9                           | Benzophenone                       | 160    | J         |          | 10.6       | ug/Kg             |
| 000057-10-3                           | n-Hexadecanoic acid                | 240    | J         |          | 11.9       | ug/Kg             |
| 1000406-04-7                          | Pentadecafluorooctanoic acid, hept | 220    | J         |          | 13.9       | ug/Kg             |

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| 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 |
| BF142826.D        | 1         | 06/24/25 13:00 | 06/24/25 18:34 | PB168601      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

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