

## Report of Analysis

|                    |                   |                  |                 |                  |      |
|--------------------|-------------------|------------------|-----------------|------------------|------|
| Client:            | BAPS North Bergen |                  | Date Collected: |                  |      |
| Project:           | BAPS North Bergen |                  | Date Received:  |                  |      |
| Client Sample ID:  | PB164940BL        |                  | SDG No.:        | P4822            |      |
| Lab Sample ID:     | PB164940BL        |                  | Matrix:         | SOIL             |      |
| Analytical Method: | SW8270            |                  | % Solid:        | 100              |      |
| Sample Wt/Vol:     | 30.01             | 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 |
| BF140448.D        | 1         | 11/13/24 09:15 | 11/18/24 12:24 | PB164940      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 82.9  | U         | 82.9 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 83.7  | U         | 83.7 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 83.5  | U         | 83.5 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 80.6  | U         | 80.6 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 90.9  | U         | 90.9 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 86.9  | U         | 86.9 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 79.8  | U         | 79.8 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.3  | U         | 40.3 | 80.0       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 83.0  | U         | 83.0 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 90.8  | U         | 90.8 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 84.6  | U         | 84.6 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 94.5  | U         | 94.5 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 93.2  | U         | 93.2 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 85.8  | U         | 85.8 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 75.5  | U         | 75.5 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 83.3  | U         | 83.3 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 86.8  | U         | 86.8 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 77.5  | U         | 77.5 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 82.5  | U         | 82.5 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 160   | U         | 160  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 71.4  | U         | 71.4 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 74.0  | U         | 74.0 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 87.4  | U         | 87.4 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 83.3  | U         | 83.3 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 95.0  | U         | 95.0 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 81.7  | U         | 81.7 | 170        | ug/Kg             |

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| Client Sample ID:  | PB164940BL        | SDG No.:        | P4822            |
| Lab Sample ID:     | PB164940BL        | Matrix:         | SOIL             |
| Analytical Method: | SW8270            | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01 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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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140448.D        | 1         | 11/13/24 09:15 | 11/18/24 12:24 | PB164940      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 86.5  | U         | 86.5 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 83.2  | U         | 83.2 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 89.2  | U         | 89.2 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 81.1  | U         | 81.1 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 240   | U         | 240  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 120   | U         | 120  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 84.4  | U         | 84.4 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 86.2  | U         | 86.2 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 80.1  | U         | 80.1 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 85.6  | U         | 85.6 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 85.5  | U         | 85.5 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 110   | U         | 110  | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 120   | U         | 120  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 81.6  | U         | 81.6 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 78.9  | U         | 78.9 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 85.0  | U         | 85.0 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 91.4  | U         | 91.4 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 77.3  | U         | 77.3 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 84.0  | U         | 84.0 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 84.4  | U         | 84.4 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 80.3  | U         | 80.3 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 84.3  | U         | 84.3 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 81.7  | U         | 81.7 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 83.0  | U         | 83.0 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 96.8  | U         | 96.8 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 98.6  | U         | 98.6 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 80.7  | U         | 80.7 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 79.5  | U         | 79.5 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 91.0  | U         | 91.0 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 110   | U         | 110  | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 81.1  | U         | 81.1 | 170        | ug/Kg             |

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| Client Sample ID:  | PB164940BL        | SDG No.:        | P4822            |
| Lab Sample ID:     | PB164940BL        | Matrix:         | SOIL             |
| Analytical Method: | SW8270            | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01 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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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF140448.D        | 1         | 11/13/24 09:15 | 11/18/24 12:24 | PB164940      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 82.6  | U         | 82.6 | 170        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 93.0  | U         | 93.0 | 170        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 78.1  | U         | 78.1 | 170        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 81.2  | U         | 81.2 | 170        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 80.1  | U         | 80.1 | 170        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 86.8  | U         | 86.8 | 170        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 110   | U         | 110  | 170        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 74.7  | U         | 74.7 | 170        | ug/Kg             |

### SURROGATES

|            |                      |      |  |                     |     |          |
|------------|----------------------|------|--|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 131  |  | 30 (18) - 130 (112) | 87% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 127  |  | 30 (15) - 130 (107) | 84% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 89.1 |  | 30 (18) - 130 (107) | 89% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 90.7 |  | 30 (20) - 130 (109) | 91% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 132  |  | 30 (10) - 130 (116) | 88% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 97.8 |  | 30 (10) - 130 (105) | 98% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 138000 | 6.875  |
| 1146-65-2  | Naphthalene-d8         | 537000 | 8.151  |
| 15067-26-2 | Acenaphthene-d10       | 302000 | 9.91   |
| 1517-22-2  | Phenanthrene-d10       | 571000 | 11.398 |
| 1719-03-5  | Chrysene-d12           | 336000 | 14.051 |
| 1520-96-3  | Perylene-d12           | 283000 | 15.556 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                  |     |   |      |       |
|-------------|----------------------------------|-----|---|------|-------|
| 004744-10-9 | Propane, 1,1-dimethoxy-          | 100 | J | 2.32 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 280 | A | 5.12 | ug/Kg |

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| Analytical Method: | SW8270            |                  | % Solid:        | 100              |      |
| Sample Wt/Vol:     | 30.01             | 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 |
| BF140448.D        | 1         | 11/13/24 09:15 | 11/18/24 12:24 | PB164940      |

| 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