

## Report of Analysis

|                    |                             |                 |                  |
|--------------------|-----------------------------|-----------------|------------------|
| Client:            | CDM Smith                   | Date Collected: | 05/02/25         |
| Project:           | Bergen Point Fueling System | Date Received:  | 05/02/25         |
| Client Sample ID:  | SB2-4-5                     | SDG No.:        | Q1956            |
| Lab Sample ID:     | Q1956-02                    | Matrix:         | SOIL             |
| Analytical Method: | SW8270                      | % Solid:        | 93.5             |
| Sample Wt/Vol:     | 30.06                       | Units:          | g                |
| Soil Aliquot Vol:  |                             |                 | uL               |
| Extraction Type :  |                             | Decanted :      | N                |
| Injection Volume : |                             | GPC Factor :    | 1.0              |
| Prep Method :      | SW3541                      | Level :         | LOW              |
|                    |                             | Test:           | SVOC-TCL BNA -20 |
|                    |                             | GPC Cleanup :   | N                |
|                    |                             | PH :            |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024550.D        | 1         | 05/06/25 09:25 | 05/06/25 17:08 | PB167879      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 350   | U         | 170  | 350        | ug/Kg             |
| 108-95-2       | Phenol                      | 180   | U         | 23.6 | 180        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 180   | U         | 25.9 | 180        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 180   | U         | 26.0 | 180        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 180   | U         | 31.9 | 180        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 180   | U         | 40.0 | 180        | ug/Kg             |
| 98-86-2        | Acetophenone                | 180   | U         | 31.5 | 180        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 350   | U         | 43.9 | 350        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 85.4  | U         | 50.6 | 85.4       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 180   | U         | 18.8 | 180        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 180   | U         | 19.5 | 180        | ug/Kg             |
| 78-59-1        | Isophorone                  | 180   | U         | 35.0 | 180        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 180   | U         | 62.1 | 180        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 180   | U         | 69.2 | 180        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 180   | U         | 32.9 | 180        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 180   | U         | 30.2 | 180        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 180   | U         | 24.2 | 180        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 180   | U         | 37.8 | 180        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 180   | U         | 27.0 | 180        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 350   | U         | 55.6 | 350        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 180   | U         | 30.6 | 180        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 180   | U         | 27.3 | 180        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 350   | U         | 120  | 350        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 180   | U         | 21.1 | 180        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 180   | U         | 31.1 | 180        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 180   | U         | 23.3 | 180        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 180   | U         | 24.0 | 180        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 180   | U         | 51.3 | 180        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 180   | U         | 28.9 | 180        | ug/Kg             |

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| Client Sample ID:  | SB2-4-5                     | SDG No.:        | Q1956            |
| Lab Sample ID:     | Q1956-02                    | Matrix:         | SOIL             |
| Analytical Method: | SW8270                      | % Solid:        | 93.5             |
| 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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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024550.D        | 1         | 05/06/25 09:25 | 05/06/25 17:08 | PB167879      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 180   | U         | 30.8 | 180        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 180   | U         | 35.9 | 180        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 180   | U         | 49.1 | 180        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 180   | U         | 22.7 | 180        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 350   | U         | 240  | 350        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 350   | U         | 110  | 350        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 180   | U         | 24.2 | 180        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 180   | U         | 53.5 | 180        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 180   | U         | 30.2 | 180        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 180   | U         | 28.5 | 180        | ug/Kg             |
| 86-73-7    | Fluorene                   | 180   | U         | 27.0 | 180        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 180   | U         | 68.5 | 180        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 350   | U         | 110  | 350        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 180   | U         | 35.1 | 180        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 180   | U         | 29.7 | 180        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 180   | U         | 27.0 | 180        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 180   | U         | 36.3 | 180        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 350   | U         | 54.8 | 350        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 180   | U         | 22.3 | 180        | ug/Kg             |
| 120-12-7   | Anthracene                 | 180   | U         | 35.5 | 180        | ug/Kg             |
| 86-74-8    | Carbazole                  | 180   | U         | 33.3 | 180        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 180   | U         | 51.1 | 180        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 180   | U         | 32.0 | 180        | ug/Kg             |
| 129-00-0   | Pyrene                     | 180   | U         | 38.4 | 180        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 180   | U         | 76.2 | 180        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 350   | U         | 39.2 | 350        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 180   | U         | 24.5 | 180        | ug/Kg             |
| 218-01-9   | Chrysene                   | 180   | U         | 21.2 | 180        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 180   | U         | 63.2 | 180        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 350   | U         | 92.6 | 350        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 180   | U         | 20.3 | 180        | ug/Kg             |

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| Client Sample ID:  | SB2-4-5                     | SDG No.:        | Q1956            |
| Lab Sample ID:     | Q1956-02                    | Matrix:         | SOIL             |
| Analytical Method: | SW8270                      | % Solid:        | 93.5             |
| 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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|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 180   | U         | 23.9 | 180        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 180   | U         | 31.5 | 180        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 180   | U         | 31.1 | 180        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 180   | U         | 29.2 | 180        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 180   | U         | 27.4 | 180        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 180   | U         | 27.3 | 180        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 180   | U         | 48.2 | 180        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 180   | U         | 29.2 | 180        | ug/Kg             |

### SURROGATES

|            |                      |      |  |          |     |          |
|------------|----------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 117  |  | 18 - 112 | 78% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 108  |  | 15 - 107 | 72% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 77.3 |  | 18 - 107 | 77% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 73.9 |  | 20 - 109 | 74% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 141  |  | 10 - 116 | 94% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 71.8 |  | 10 - 105 | 72% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 145000 | 7.704  |
| 1146-65-2  | Naphthalene-d8         | 584000 | 10.475 |
| 15067-26-2 | Acenaphthene-d10       | 366000 | 14.333 |
| 1517-22-2  | Phenanthrene-d10       | 735000 | 17.139 |
| 1719-03-5  | Chrysene-d12           | 832000 | 21.58  |
| 1520-96-3  | Perylene-d12           | 997000 | 24.927 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                  |      |    |      |       |
|-------------|----------------------------------|------|----|------|-------|
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 250  | AB | 4.88 | ug/Kg |
|             | unknown14.563                    | 1100 | J  | 14.6 | ug/Kg |
| 013798-23-7 | Hexathiane                       | 81.1 | J  | 14.9 | ug/Kg |
| 000119-61-9 | Benzophenone                     | 150  | J  | 15.7 | ug/Kg |
| 000057-10-3 | n-Hexadecanoic acid              | 290  | J  | 18.1 | ug/Kg |
| 000297-03-0 | Cyclotetracosane                 | 93.9 | J  | 21.3 | ug/Kg |

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| Sample Wt/Vol:     | 30.06                       | Units:          | g                |
| Soil Aliquot Vol:  |                             | Final Vol:      | 1000 uL          |
| Extraction Type :  |                             | Test:           | SVOC-TCL BNA -20 |
|                    | Decanted :                  | 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 |
| BP024550.D        | 1         | 05/06/25 09:25 | 05/06/25 17:08 | PB167879      |

| 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