

## Report of Analysis

|                    |                        |           |                 |              |
|--------------------|------------------------|-----------|-----------------|--------------|
| Client:            | Nobis Group            |           | Date Collected: |              |
| Project:           | Raymark Superfund Site |           | Date Received:  |              |
| Client Sample ID:  | VY0221SBS01            |           | SDG No.:        | Q1383        |
| Lab Sample ID:     | VY0221SBS01            |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260                 |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5                      | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624                | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                        |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021277.D        | 1         |           | 02/21/25 11:43 | VY022125      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL     | LOD    | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|---------|--------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |         |        |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 0.027 |           | 0.0017  | 0.0040 | 0.0050     | mg/Kg             |
| 74-87-3        | Chloromethane                  | 0.030 |           | 0.0012  | 0.0025 | 0.0050     | mg/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.028 |           | 0.00077 | 0.0025 | 0.0050     | mg/Kg             |
| 74-83-9        | Bromomethane                   | 0.026 |           | 0.0010  | 0.0040 | 0.0050     | mg/Kg             |
| 75-00-3        | Chloroethane                   | 0.028 |           | 0.0010  | 0.0025 | 0.0050     | mg/Kg             |
| 109-99-9       | Tetrahydrofuran                | 0.12  |           | 0.0052  | 0.013  | 0.025      | mg/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 0.024 |           | 0.00091 | 0.0040 | 0.0050     | mg/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.023 |           | 0.0011  | 0.0025 | 0.0050     | mg/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 0.023 |           | 0.00078 | 0.0025 | 0.0050     | mg/Kg             |
| 107-13-1       | Acrylonitrile                  | 0.12  |           | 0.0050  | 0.013  | 0.025      | mg/Kg             |
| 67-64-1        | Acetone                        | 0.12  |           | 0.0062  | 0.020  | 0.025      | mg/Kg             |
| 75-15-0        | Carbon Disulfide               | 0.024 |           | 0.0013  | 0.0040 | 0.0050     | mg/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.022 |           | 0.00067 | 0.0025 | 0.0050     | mg/Kg             |
| 75-09-2        | Methylene Chloride             | 0.025 |           | 0.0034  | 0.0080 | 0.010      | mg/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.023 |           | 0.00084 | 0.0025 | 0.0050     | mg/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.023 |           | 0.00063 | 0.0025 | 0.0050     | mg/Kg             |
| 78-93-3        | 2-Butanone                     | 0.12  |           | 0.0057  | 0.020  | 0.025      | mg/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.022 |           | 0.00087 | 0.0025 | 0.0050     | mg/Kg             |
| 594-20-7       | 2,2-Dichloropropane            | 0.022 |           | 0.0016  | 0.0040 | 0.0050     | mg/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.022 |           | 0.00061 | 0.0025 | 0.0050     | mg/Kg             |
| 67-66-3        | Chloroform                     | 0.023 |           | 0.00067 | 0.0040 | 0.0050     | mg/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.023 |           | 0.00078 | 0.0025 | 0.0050     | mg/Kg             |
| 563-58-6       | 1,1-Dichloropropene            | 0.022 |           | 0.00073 | 0.0025 | 0.0050     | mg/Kg             |
| 71-43-2        | Benzene                        | 0.022 |           | 0.00072 | 0.0025 | 0.0050     | mg/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.023 |           | 0.00061 | 0.0025 | 0.0050     | mg/Kg             |
| 79-01-6        | Trichloroethene                | 0.021 |           | 0.00075 | 0.0025 | 0.0050     | mg/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.023 |           | 0.00066 | 0.0025 | 0.0050     | mg/Kg             |
| 74-95-3        | Dibromomethane                 | 0.022 |           | 0.00062 | 0.0025 | 0.0050     | mg/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.022 |           | 0.00056 | 0.0025 | 0.0050     | mg/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.12  |           | 0.0044  | 0.013  | 0.025      | mg/Kg             |

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| Client Sample ID:  | VY0221SBS01            |           | SDG No.:        | Q1383        |
| Lab Sample ID:     | VY0221SBS01            |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260                 |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5                      | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624                | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                        |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021277.D        | 1         |           | 02/21/25 11:43 | VY022125      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL     | LOD    | LOQ / CRQL | Units(Dry Weight) |
|-------------|---------------------------|-------|-----------|---------|--------|------------|-------------------|
| 108-88-3    | Toluene                   | 0.022 |           | 0.00067 | 0.0025 | 0.0050     | mg/Kg             |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.022 |           | 0.00060 | 0.0025 | 0.0050     | mg/Kg             |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.022 |           | 0.00057 | 0.0025 | 0.0050     | mg/Kg             |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.022 |           | 0.00084 | 0.0025 | 0.0050     | mg/Kg             |
| 142-28-9    | 1,3-Dichloropropane       | 0.022 |           | 0.00059 | 0.0025 | 0.0050     | mg/Kg             |
| 591-78-6    | 2-Hexanone                | 0.12  |           | 0.0048  | 0.013  | 0.025      | mg/Kg             |
| 124-48-1    | Dibromochloromethane      | 0.021 |           | 0.00065 | 0.0025 | 0.0050     | mg/Kg             |
| 106-93-4    | 1,2-Dibromoethane         | 0.022 |           | 0.00079 | 0.0025 | 0.0050     | mg/Kg             |
| 127-18-4    | Tetrachloroethene         | 0.021 |           | 0.00089 | 0.0025 | 0.0050     | mg/Kg             |
| 108-90-7    | Chlorobenzene             | 0.021 |           | 0.00074 | 0.0025 | 0.0050     | mg/Kg             |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.021 |           | 0.00064 | 0.0025 | 0.0050     | mg/Kg             |
| 100-41-4    | Ethyl Benzene             | 0.021 |           | 0.00062 | 0.0025 | 0.0050     | mg/Kg             |
| 179601-23-1 | m/p-Xylenes               | 0.043 |           | 0.0014  | 0.0050 | 0.010      | mg/Kg             |
| 1330-20-7   | Total Xylenes             | 0.064 |           | 0.0021  | 0.0075 | 0.015      | mg/Kg             |
| 95-47-6     | o-Xylene                  | 0.021 |           | 0.00070 | 0.0025 | 0.0050     | mg/Kg             |
| 100-42-5    | Styrene                   | 0.022 |           | 0.00060 | 0.0025 | 0.0050     | mg/Kg             |
| 75-25-2     | Bromoform                 | 0.022 |           | 0.00081 | 0.0025 | 0.0050     | mg/Kg             |
| 98-82-8     | Isopropylbenzene          | 0.020 |           | 0.00067 | 0.0025 | 0.0050     | mg/Kg             |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.021 |           | 0.0011  | 0.0025 | 0.0050     | mg/Kg             |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.019 |           | 0.0012  | 0.0040 | 0.0050     | mg/Kg             |
| 108-86-1    | Bromobenzene              | 0.020 |           | 0.00065 | 0.0025 | 0.0050     | mg/Kg             |
| 103-65-1    | n-propylbenzene           | 0.021 |           | 0.00064 | 0.0025 | 0.0050     | mg/Kg             |
| 95-49-8     | 2-Chlorotoluene           | 0.020 |           | 0.00062 | 0.0025 | 0.0050     | mg/Kg             |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.020 |           | 0.00064 | 0.0025 | 0.0050     | mg/Kg             |
| 106-43-4    | 4-Chlorotoluene           | 0.020 |           | 0.00059 | 0.0025 | 0.0050     | mg/Kg             |
| 98-06-6     | tert-Butylbenzene         | 0.020 |           | 0.00067 | 0.0025 | 0.0050     | mg/Kg             |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.021 |           | 0.0014  | 0.0025 | 0.0050     | mg/Kg             |
| 135-98-8    | sec-Butylbenzene          | 0.020 |           | 0.00067 | 0.0025 | 0.0050     | mg/Kg             |
| 99-87-6     | p-Isopropyltoluene        | 0.020 |           | 0.00058 | 0.0025 | 0.0050     | mg/Kg             |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.020 |           | 0.00074 | 0.0025 | 0.0050     | mg/Kg             |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.020 |           | 0.00080 | 0.0025 | 0.0050     | mg/Kg             |

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| Analytical Method: | SW8260                 |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5                      | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624                | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                        |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021277.D        | 1         |           | 02/21/25 11:43 | VY022125      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD    | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|----------|--------|------------|-------------------|
| 104-51-8                  | n-Butylbenzene              | 0.020  |           | 0.00063  | 0.0025 | 0.0050     | mg/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.021  |           | 0.00059  | 0.0025 | 0.0050     | mg/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.022  |           | 0.0016   | 0.0040 | 0.0050     | mg/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.020  |           | 0.00079  | 0.0025 | 0.0050     | mg/Kg             |
| 87-68-3                   | Hexachlorobutadiene         | 0.020  |           | 0.00081  | 0.0025 | 0.0050     | mg/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.021  |           | 0.00078  | 0.0025 | 0.0050     | mg/Kg             |
| 110-57-6                  | trans-1,4-Dichloro-2-butene | 0.020  |           | 0.00080  | 0.0025 | 0.0050     | mg/Kg             |
| <b>SURROGATES</b>         |                             |        |           |          |        |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 49.2   |           | 71 - 136 |        | 98%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 47.0   |           | 78 - 119 |        | 94%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 46.4   |           | 85 - 116 |        | 93%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.7   |           | 79 - 119 |        | 97%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |        |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 142000 | 7.719     |          |        |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 225000 | 8.622     |          |        |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 195000 | 11.426    |          |        |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 99800  | 13.358    |          |        |            |                   |

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