

## Report of Analysis

|                    |                                   |                 |          |
|--------------------|-----------------------------------|-----------------|----------|
| Client:            | Environmental Management Services | Date Collected: | 03/06/25 |
| Project:           | 36-12 37th St. Queens, NY         | Date Received:  | 03/07/25 |
| Client Sample ID:  | 1                                 | SDG No.:        | Q1532    |
| Lab Sample ID:     | Q1532-01                          | Matrix:         | Air      |
| Analytical Method: | TO-15                             | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                               | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042121.D        | 1         |           | 03/10/25 12:59 | VL031025      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.51          | 2.52           |           | 1.04  | 2.47       | ug/m3 |
| 74-87-3        | Chloromethane                  | 0.53          | 1.09           |           | 0.21  | 1.03       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.030         | 0.080          | U         | 0.030 | 0.080      | ug/m3 |
| 74-83-9        | Bromomethane                   | 0.50          | 1.94           | U         | 0.54  | 1.94       | ug/m3 |
| 75-00-3        | Chloroethane                   | 0.50          | 1.32           | U         | 0.45  | 1.32       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 0.50          | 1.47           | U         | 0.38  | 1.47       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 0.26          | 1.46           | J         | 0.90  | 2.81       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50          | 3.83           | U         | 1.23  | 3.83       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.50          | 3.49           | U         | 0.63  | 3.49       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 0.50          | 1.52           | U         | 0.58  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 0.50          | 2.05           | U         | 0.45  | 2.05       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 0.50          | 1.98           | U         | 0.56  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 7.20          | 17.1           |           | 0.57  | 1.19       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 0.50          | 1.56           | U         | 0.50  | 1.56       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.50          | 1.80           | U         | 0.43  | 1.80       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 1.70          | 5.91           |           | 0.66  | 1.74       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50          | 1.98           | U         | 0.75  | 1.98       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 0.50          | 2.02           | U         | 0.53  | 2.02       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 0.50          | 1.72           | U         | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 0.65          | 1.92           |           | 0.35  | 1.47       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.070         | 0.44           |           | 0.060 | 0.19       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.50          | 1.98           | U         | 0.36  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.50          | 2.44           | U         | 0.39  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.030         | 0.16           | U         | 0.050 | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.50          | 2.34           | U         | 0.47  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 0.13          | 0.42           | J         | 0.29  | 1.60       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.50          | 2.02           | U         | 0.36  | 2.02       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.030         | 0.16           | U         | 0.11  | 0.16       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 0.50          | 2.31           | U         | 0.51  | 2.31       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.50          | 3.35           | U         | 0.54  | 3.35       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.50          | 2.05           | U         | 0.37  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 0.40          | 1.51           | J         | 0.41  | 1.88       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50          | 2.27           | U         | 0.27  | 2.27       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50          | 2.27           | U         | 0.27  | 2.27       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50          | 2.73           | U         | 0.38  | 2.73       | ug/m3 |

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| Lab Sample ID:     | Q1532-01                          | Matrix:         | Air      |
| Analytical Method: | TO-15                             | Test:           | TO-15    |
| Sample Wt/Vol:     | 400      Units:    mL             |                 |          |

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| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042121.D        | 1         |           | 03/10/25 12:59 | VL031025      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|----------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.50          | 4.26           | U         | 0.60     | 4.26       | ug/m3   |
| 106-93-4                  | 1,2-Dibromoethane         | 0.10          | 0.77           | U         | 0.54     | 0.77       | ug/m3   |
| 127-18-4                  | Tetrachloroethene         | 0.12          | 0.81           |           | 0.14     | 0.20       | ug/m3   |
| 108-90-7                  | Chlorobenzene             | 0.50          | 2.30           | U         | 0.37     | 2.30       | ug/m3   |
| 100-41-4                  | Ethyl Benzene             | 0.50          | 2.17           | U         | 0.52     | 2.17       | ug/m3   |
| 179601-23-1               | m/p-Xylene                | 0.34          | 1.48           | J         | 0.91     | 4.34       | ug/m3   |
| 95-47-6                   | o-Xylene                  | 0.50          | 2.17           | U         | 0.52     | 2.17       | ug/m3   |
| 100-42-5                  | Styrene                   | 0.50          | 2.13           | U         | 0.47     | 2.13       | ug/m3   |
| 75-25-2                   | Bromoform                 | 0.50          | 5.17           | U         | 0.62     | 5.17       | ug/m3   |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.030         | 0.21           | U         | 0.070    | 0.21       | ug/m3   |
| 95-49-8                   | 2-Chlorotoluene           | 0.50          | 2.59           | U         | 0.57     | 2.59       | ug/m3   |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.50          | 2.46           | U         | 0.54     | 2.46       | ug/m3   |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.50          | 2.46           | U         | 0.39     | 2.46       | ug/m3   |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.50          | 3.01           | U         | 0.48     | 3.01       | ug/m3   |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.50          | 3.01           | U         | 0.30     | 3.01       | ug/m3   |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.50          | 3.01           | U         | 0.48     | 3.01       | ug/m3   |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.50          | 3.71           | U         | 0.67     | 3.71       | ug/m3   |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.50          | 5.33           | U         | 0.96     | 5.33       | ug/m3   |
| 106-99-0                  | 1,3-Butadiene             | 0.50          | 1.11           | U         | 0.29     | 1.11       | ug/m3   |
| 91-20-3                   | Naphthalene               | 0.10          | 0.52           | U         | 0.42     | 0.52       | ug/m3   |
| 622-96-8                  | 4-Ethyltoluene            | 0.50          | 2.46           | U         | 0.59     | 2.46       | ug/m3   |
| 110-54-3                  | Hexane                    | 0.50          | 1.76           | U         | 0.39     | 1.76       | ug/m3   |
| 107-05-1                  | Allyl Chloride            | 0.50          | 1.57           | U         | 0.47     | 1.57       | ug/m3   |
| 123-91-1                  | 1,4-Dioxane               | 0.50          | 1.80           | U         | 0.76     | 1.80       | ug/m3   |
| 80-62-6                   | Methyl Methacrylate       | 0.50          | 2.05           | U         | 0.37     | 2.05       | ug/m3   |
| <b>SURROGATES</b>         |                           |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.2          |                |           | 65 - 135 | 102%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane        | 162000        |                | 2.8       |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 375000        |                | 3.978     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 322000        |                | 8.901     |          |            |         |

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|------------|-----------|---------------|----------------|-----------|-----|------------|-------|
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range  
 D = Dilution

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 Q = indicates LCS control criteria did not meet requirements