

## Report of Analysis

|                    |                                                 |                 |          |
|--------------------|-------------------------------------------------|-----------------|----------|
| Client:            | Woodard & Curran                                | Date Collected: | 03/25/25 |
| Project:           | US EPA Riverside Industrial Park Superfund Site | Date Received:  | 03/26/25 |
| Client Sample ID:  | IA-B14-1-3242025                                | SDG No.:        | Q1665    |
| Lab Sample ID:     | Q1665-15                                        | 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 |
| VL042359.D        | 1         |           | 04/17/25 16:12 | VL041725      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.43          | 2.13           | J         | 1.04  | 2.47       | ug/m3 |
| 64-17-5        | Ethanol                        | 17.3          | 32.6           | EQ        | 0.60  | 0.94       | ug/m3 |
| 74-87-3        | Chloromethane                  | 0.66          | 1.36           |           | 0.21  | 1.03       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.010         | 0.030          | U         | 0.030 | 0.080      | ug/m3 |
| 74-83-9        | Bromomethane                   | 0.14          | 0.54           | U         | 0.54  | 1.94       | ug/m3 |
| 75-00-3        | Chloroethane                   | 0.17          | 0.45           | U         | 0.45  | 1.32       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 0.13          | 0.38           | U         | 0.38  | 1.47       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 0.21          | 1.18           | J         | 0.90  | 2.81       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.16          | 1.23           | U         | 1.23  | 3.83       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.090         | 0.63           | U         | 0.63  | 3.49       | ug/m3 |
| 593-60-2       | Bromoethene                    | 0.12          | 0.52           | U         | 0.52  | 2.19       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 0.19          | 0.58           | U         | 0.58  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 0.15          | 0.61           | J         | 0.45  | 2.05       | ug/m3 |
| 67-63-0        | Isopropyl Alcohol              | 130           | 320            | E         | 0.17  | 1.23       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 0.14          | 0.56           | U         | 0.56  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 38.4          | 91.2           | E         | 0.57  | 1.19       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 0.16          | 0.50           | U         | 0.50  | 1.56       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.12          | 0.43           | U         | 0.43  | 1.80       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 1.20          | 4.17           |           | 0.66  | 1.74       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.19          | 0.75           | U         | 0.75  | 1.98       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 0.13          | 0.53           | U         | 0.53  | 2.02       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 0.22          | 0.76           | U         | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 0.74          | 2.18           |           | 0.35  | 1.47       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.080         | 0.50           |           | 0.060 | 0.19       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.090         | 0.36           | U         | 0.36  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.21          | 1.03           | J         | 0.39  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.040         | 0.22           |           | 0.050 | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.18          | 0.84           | J         | 0.47  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 0.24          | 0.77           | J         | 0.29  | 1.60       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.090         | 0.36           | U         | 0.36  | 2.02       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 0.11          | 0.51           | U         | 0.51  | 2.31       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.080         | 0.54           | U         | 0.54  | 3.35       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.14          | 0.57           | J         | 0.37  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 0.88          | 3.32           |           | 0.41  | 1.88       | ug/m3 |

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| Client Sample ID:  | IA-B14-1-3242025                                | SDG No.:        | Q1665    |
| Lab Sample ID:     | Q1665-15                                        | 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 |
| VL042359.D        | 1         |           | 04/17/25 16:12 | VL041725      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|-------------|---------------------------|---------------|----------------|-----------|-------|------------|-------|
| 10061-02-6  | t-1,3-Dichloropropene     | 0.060         | 0.27           | U         | 0.27  | 2.27       | ug/m3 |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.060         | 0.27           | U         | 0.27  | 2.27       | ug/m3 |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.070         | 0.38           | U         | 0.38  | 2.73       | ug/m3 |
| 124-48-1    | Dibromochloromethane      | 0.070         | 0.60           | U         | 0.60  | 4.26       | ug/m3 |
| 106-93-4    | 1,2-Dibromoethane         | 0.070         | 0.54           | U         | 0.54  | 0.77       | ug/m3 |
| 127-18-4    | Tetrachloroethene         | 0.020         | 0.14           | U         | 0.14  | 0.20       | ug/m3 |
| 108-90-7    | Chlorobenzene             | 0.080         | 0.37           | U         | 0.37  | 2.30       | ug/m3 |
| 100-41-4    | Ethyl Benzene             | 5.00          | 21.7           |           | 0.52  | 2.17       | ug/m3 |
| 179601-23-1 | m/p-Xylene                | 21.3          | 92.5           |           | 0.91  | 4.34       | ug/m3 |
| 95-47-6     | o-Xylene                  | 4.10          | 17.8           |           | 0.52  | 2.17       | ug/m3 |
| 100-42-5    | Styrene                   | 0.11          | 0.47           | U         | 0.47  | 2.13       | ug/m3 |
| 75-25-2     | Bromoform                 | 0.060         | 0.62           | U         | 0.62  | 5.17       | ug/m3 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.010         | 0.070          | U         | 0.070 | 0.21       | ug/m3 |
| 95-49-8     | 2-Chlorotoluene           | 0.11          | 0.57           | U         | 0.57  | 2.59       | ug/m3 |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.11          | 0.54           | J         | 0.54  | 2.46       | ug/m3 |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 0.27          | 1.33           | J         | 0.39  | 2.46       | ug/m3 |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.080         | 0.48           | U         | 0.48  | 3.01       | ug/m3 |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.050         | 0.30           | U         | 0.30  | 3.01       | ug/m3 |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.080         | 0.48           | U         | 0.48  | 3.01       | ug/m3 |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.090         | 0.67           | U         | 0.67  | 3.71       | ug/m3 |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.090         | 0.96           | U         | 0.96  | 5.33       | ug/m3 |
| 106-99-0    | 1,3-Butadiene             | 0.13          | 0.29           | U         | 0.29  | 1.11       | ug/m3 |
| 91-20-3     | Naphthalene               | 0.14          | 0.73           |           | 0.42  | 0.52       | ug/m3 |
| 622-96-8    | 4-Ethyltoluene            | 0.12          | 0.59           | U         | 0.59  | 2.46       | ug/m3 |
| 110-54-3    | Hexane                    | 2.70          | 9.52           |           | 0.39  | 1.76       | ug/m3 |
| 107-05-1    | Allyl Chloride            | 0.15          | 0.47           | U         | 0.47  | 1.57       | ug/m3 |
| 123-91-1    | 1,4-Dioxane               | 1.00          | 3.60           |           | 0.76  | 1.80       | ug/m3 |
| 80-62-6     | Methyl Methacrylate       | 0.090         | 0.37           | U         | 0.37  | 2.05       | ug/m3 |

### SURROGATES

|          |                         |      |  |                     |      |         |
|----------|-------------------------|------|--|---------------------|------|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 10.1 |  | 70 (65) - 130 (135) | 101% | SPK: 10 |
|----------|-------------------------|------|--|---------------------|------|---------|

### INTERNAL STANDARDS

|           |                     |        |       |
|-----------|---------------------|--------|-------|
| 74-97-5   | Bromochloromethane  | 123000 | 2.787 |
| 540-36-3  | 1,4-Difluorobenzene | 354000 | 3.962 |
| 3114-55-4 | Chlorobenzene-d5    | 318000 | 8.882 |

### TENTATIVE IDENTIFIED COMPOUNDS

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| Sample Wt/Vol:     | 400      Units:    mL                           |                 |          |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042359.D        | 1         |           | 04/17/25 16:12 | VL041725      |

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|-------------|------------------------------|---------------|----------------|-----------|-----|------------|-------|
| 75-45-6     | Chlorodifluoromethane        | 0.31          |                | J         |     | 1.48       | ppbv  |
| 115-07-1    | Propene                      | 1.60          |                | J         |     | 1.49       | ppbv  |
| 000106-97-8 | Butane                       | 1.20          |                | J         |     | 1.62       | ppbv  |
| 000107-39-1 | 1-Pentene, 2,4,4-trimethyl-  | 1.60          |                | J         |     | 5.32       | ppbv  |
| 591-78-6    | 2-Hexanone                   | 1.50          |                | J         |     | 7.44       | ppbv  |
| 000106-70-7 | Hexanoic acid, methyl ester  | 4.30          |                | J         |     | 10.5       | ppbv  |
| 000106-73-0 | Heptanoic acid, methyl ester | 10.6          |                | J         |     | 11.8       | ppbv  |
| 000111-11-5 | Octanoic acid, methyl ester  | 6.40          |                | J         |     | 12.9       | ppbv  |
| 91-57-6     | Naphthalene,2-methyl-        | 0.15          |                | J         |     | 14.5       | ppbv  |

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