

## Report of Analysis

|                    |                                                 |                 |          |
|--------------------|-------------------------------------------------|-----------------|----------|
| Client:            | Woodard & Curran                                | Date Collected: | 03/26/25 |
| Project:           | US EPA Riverside Industrial Park Superfund Site | Date Received:  | 03/27/25 |
| Client Sample ID:  | IA-B1-2-3252025                                 | SDG No.:        | Q1668    |
| Lab Sample ID:     | Q1668-02                                        | 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 |
| VL042365.D        | 1         |           | 04/17/25 19:31 | VL041725      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.44          | 2.18           | J         | 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                 | 0.010         | 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         | 0.22          | 1.24           | 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 |
| 75-65-0        | tert-Butyl alcohol             | 0.22          | 0.67           | J         | 0.58  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 1.30          | 5.33           |           | 0.45  | 2.05       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 0.14          | 0.56           | U         | 0.56  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 5.40          | 12.8           |           | 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             | 1.40          | 4.86           |           | 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                    | 1.10          | 3.79           |           | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 0.58          | 1.71           |           | 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         | 0.090         | 0.36           | U         | 0.36  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.080         | 0.39           | U         | 0.39  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.010         | 0.050          | U         | 0.050 | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.22          | 1.03           | J         | 0.47  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 0.52          | 1.66           |           | 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           | 11.7          | 48.0           |           | 0.37  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 1.40          | 5.28           |           | 0.41  | 1.88       | ug/m3 |
| 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 |

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| Client Sample ID:  | IA-B1-2-3252025                                 | SDG No.:        | Q1668    |
| Lab Sample ID:     | Q1668-02                                        | 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 |
| VL042365.D        | 1         |           | 04/17/25 19:31 | VL041725      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|-------------|---------------------------|---------------|----------------|-----------|-------|------------|-------|
| 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         | 0.030         | 0.20           |           | 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             | 0.95          | 4.13           |           | 0.52  | 2.17       | ug/m3 |
| 179601-23-1 | m/p-Xylene                | 5.90          | 25.6           |           | 0.91  | 4.34       | ug/m3 |
| 95-47-6     | o-Xylene                  | 2.30          | 9.99           |           | 0.52  | 2.17       | ug/m3 |
| 100-42-5    | Styrene                   | 0.47          | 2.00           | J         | 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    | 1.80          | 8.85           |           | 0.54  | 2.46       | ug/m3 |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 5.40          | 26.6           |           | 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               | 0.47          | 2.46           |           | 0.42  | 0.52       | ug/m3 |
| 622-96-8    | 4-Ethyltoluene            | 1.30          | 6.39           |           | 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               | 0.21          | 0.76           | U         | 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 | 9.90 |  | 70 (65) - 130 (135) | 99% | SPK: 10 |
|----------|-------------------------|------|--|---------------------|-----|---------|

### INTERNAL STANDARDS

|           |                     |        |       |
|-----------|---------------------|--------|-------|
| 74-97-5   | Bromochloromethane  | 121000 | 2.787 |
| 540-36-3  | 1,4-Difluorobenzene | 339000 | 3.959 |
| 3114-55-4 | Chlorobenzene-d5    | 302000 | 8.879 |

### TENTATIVE IDENTIFIED COMPOUNDS

|          |                       |      |   |      |      |
|----------|-----------------------|------|---|------|------|
| 75-45-6  | Chlorodifluoromethane | 0.26 | J | 1.48 | ppbv |
| 115-07-1 | Propene               | 0.64 | J | 1.49 | ppbv |
| 64-17-5  | Ethanol               | 140  | J | 1.72 | ppbv |

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

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|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
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| CAS Number  | Parameter                          | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|-------------|------------------------------------|---------------|----------------|-----------|-----|------------|-------|
| 67-63-0     | Isopropyl Alcohol                  | 3.60          |                | J         |     | 1.88       | ppbv  |
| 000589-34-4 | Hexane, 3-methyl-                  | 3.10          |                | J         |     | 4.27       | ppbv  |
| 98-82-8     | Isopropylbenzene                   | 0.15          |                | J         |     | 10.5       | ppbv  |
| 103-65-1    | n-propylbenzene                    | 0.63          |                | J         |     | 11.0       | ppbv  |
| 000124-18-5 | Decane                             | 3.80          |                | J         |     | 11.8       | ppbv  |
| 104-51-8    | n-Butylbenzene                     | 0.54          |                | J         |     | 12.3       | ppbv  |
| 000934-80-5 | Benzene, 4-ethyl-1,2-dimethyl-     | 3.50          |                | J         |     | 12.6       | ppbv  |
| 001120-21-4 | Undecane                           | 2.90          |                | J         |     | 12.8       | ppbv  |
| 003454-07-7 | Benzene, 1-ethenyl-4-ethyl-        | 2.60          |                | J         |     | 13.2       | ppbv  |
| 000119-64-2 | Naphthalene, 1,2,3,4-tetrahydro-   | 2.70          |                | J         |     | 13.3       | ppbv  |
| 053172-84-2 | Benzene, (1-methyl-1-butenyl)-     | 3.10          |                | J         |     | 13.7       | ppbv  |
| 000112-40-3 | Dodecane                           | 3.40          |                | J         |     | 13.7       | ppbv  |
| 002809-64-5 | Naphthalene, 1,2,3,4-tetrahydro-5- | 3.60          |                | J         |     | 14.2       | ppbv  |
| 91-57-6     | Naphthalene,2-methyl-              | 0.59          |                | J         |     | 14.5       | ppbv  |
| 000629-50-5 | Tridecane                          | 3.40          |                | 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