

## Report of Analysis

|                    |                                                 |                 |          |
|--------------------|-------------------------------------------------|-----------------|----------|
| Client:            | Woodard & Curran                                | Date Collected: | 04/02/25 |
| Project:           | US EPA Riverside Industrial Park Superfund Site | Date Received:  | 04/03/25 |
| Client Sample ID:  | SSSG-B2-5-04022025                              | SDG No.:        | Q1728    |
| Lab Sample ID:     | Q1728-06                                        | 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 |
| VL042260.D        | 10        |           | 04/08/25 13:07 | VL040825      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 2.10          | 10.4           | U         | 10.4 | 24.7       | ug/m3 |
| 74-87-3        | Chloromethane                  | 1.00          | 2.07           | J         | 2.02 | 10.3       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.14          | 0.36           | U         | 0.36 | 0.77       | ug/m3 |
| 74-83-9        | Bromomethane                   | 1.40          | 5.44           | U         | 5.44 | 19.4       | ug/m3 |
| 75-00-3        | Chloroethane                   | 1.70          | 4.49           | U         | 4.49 | 13.2       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 1.30          | 3.83           | U         | 3.83 | 14.8       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 1.60          | 8.99           | U         | 8.99 | 28.1       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.60          | 12.3           | U         | 12.3 | 38.3       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.88          | 6.15           | U         | 6.15 | 35.0       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 2.40          | 7.28           | J         | 5.76 | 15.2       | ug/m3 |
| 142-82-5       | Heptane                        | 6.80          | 27.9           |           | 4.51 | 20.5       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 1.40          | 5.55           | U         | 5.55 | 19.8       | ug/m3 |
| 67-64-1        | Acetone                        | 410           | 974            | E         | 5.70 | 11.9       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 24.1          | 75.0           |           | 4.98 | 15.6       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 1.20          | 4.33           | U         | 4.33 | 18.0       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 9.10          | 31.6           |           | 6.60 | 17.4       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.90          | 7.53           | U         | 7.53 | 19.8       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 1.30          | 5.26           | U         | 5.26 | 20.2       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 8.40          | 28.9           |           | 7.57 | 17.2       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 26.8          | 79.0           |           | 3.54 | 14.8       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.11          | 0.69           | U         | 0.69 | 1.89       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.89          | 3.53           | U         | 3.53 | 19.8       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.83          | 4.05           | U         | 4.05 | 24.4       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.10          | 0.55           | U         | 0.55 | 1.64       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 13.1          | 61.2           |           | 4.67 | 23.4       | ug/m3 |
| 71-43-2        | Benzene                        | 13.3          | 42.5           |           | 2.78 | 16.0       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.91          | 3.68           | U         | 3.68 | 20.2       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.17          | 0.91           | U         | 0.91 | 1.61       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 1.10          | 5.08           | U         | 5.08 | 23.1       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.77          | 5.16           | U         | 5.16 | 33.5       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.93          | 3.81           | U         | 3.81 | 20.5       | ug/m3 |
| 108-88-3       | Toluene                        | 57.0          | 215            |           | 4.15 | 18.8       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.60          | 2.72           | U         | 2.72 | 22.7       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.64          | 2.91           | U         | 2.91 | 22.7       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.71          | 3.87           | U         | 3.87 | 27.3       | ug/m3 |

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| Lab Sample ID:     | Q1728-06                                        | Matrix:         | Air      |
| Analytical Method: | TO-15                                           | Test:           | TO-15    |
| Sample Wt/Vol:     | 400 Units: mL                                   |                 |          |

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| VL042260.D        | 10        |           | 04/08/25 13:07 | VL040825      |

| CAS Number  | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|---------------|----------------|-----------|------|------------|-------|
| 124-48-1    | Dibromochloromethane      | 0.66          | 5.62           | U         | 5.62 | 42.6       | ug/m3 |
| 106-93-4    | 1,2-Dibromoethane         | 0.72          | 5.53           | U         | 5.53 | 7.69       | ug/m3 |
| 127-18-4    | Tetrachloroethene         | 0.15          | 1.02           | U         | 1.02 | 2.03       | ug/m3 |
| 108-90-7    | Chlorobenzene             | 1.10          | 5.07           | J         | 3.50 | 23.0       | ug/m3 |
| 100-41-4    | Ethyl Benzene             | 7.10          | 30.8           |           | 5.21 | 21.7       | ug/m3 |
| 179601-23-1 | m/p-Xylene                | 21.2          | 92.1           |           | 9.12 | 43.4       | ug/m3 |
| 95-47-6     | o-Xylene                  | 8.80          | 38.2           |           | 5.21 | 21.7       | ug/m3 |
| 100-42-5    | Styrene                   | 1.10          | 4.68           | U         | 4.68 | 21.3       | ug/m3 |
| 75-25-2     | Bromoform                 | 0.57          | 5.89           | U         | 5.89 | 51.7       | ug/m3 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.11          | 0.76           | U         | 0.76 | 2.06       | ug/m3 |
| 95-49-8     | 2-Chlorotoluene           | 5.70          | 29.5           |           | 5.70 | 25.9       | ug/m3 |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 1.10          | 5.41           | U         | 5.41 | 24.6       | ug/m3 |
| 95-63-6     | 1,2,4-Trimethylbenzene    | 2.00          | 9.83           | J         | 3.83 | 24.6       | ug/m3 |
| 541-73-1    | 1,3-Dichlorobenzene       | 0.80          | 4.81           | U         | 4.81 | 30.1       | ug/m3 |
| 106-46-7    | 1,4-Dichlorobenzene       | 0.53          | 3.19           | U         | 3.19 | 30.1       | ug/m3 |
| 95-50-1     | 1,2-Dichlorobenzene       | 0.75          | 4.51           | U         | 4.51 | 30.1       | ug/m3 |
| 120-82-1    | 1,2,4-Trichlorobenzene    | 0.85          | 6.31           | U         | 6.31 | 37.1       | ug/m3 |
| 87-68-3     | Hexachloro-1,3-Butadiene  | 0.85          | 9.07           | U         | 9.07 | 53.3       | ug/m3 |
| 106-99-0    | 1,3-Butadiene             | 1.30          | 2.88           | U         | 2.88 | 11.1       | ug/m3 |
| 91-20-3     | Naphthalene               | 0.75          | 3.93           | U         | 3.93 | 5.24       | ug/m3 |
| 622-96-8    | 4-Ethyltoluene            | 1.20          | 5.90           | U         | 5.90 | 24.6       | ug/m3 |
| 110-54-3    | Hexane                    | 4.50          | 15.9           | J         | 3.88 | 17.6       | ug/m3 |
| 107-05-1    | Allyl Chloride            | 1.50          | 4.70           | U         | 4.70 | 15.7       | ug/m3 |
| 123-91-1    | 1,4-Dioxane               | 2.10          | 7.57           | U         | 7.57 | 18.0       | ug/m3 |
| 80-62-6     | Methyl Methacrylate       | 0.86          | 3.52           | U         | 3.52 | 20.5       | ug/m3 |

### SURROGATES

|          |                         |      |  |                     |     |         |
|----------|-------------------------|------|--|---------------------|-----|---------|
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.60 |  | 70 (65) - 130 (135) | 96% | SPK: 10 |
|----------|-------------------------|------|--|---------------------|-----|---------|

### INTERNAL STANDARDS

|           |                     |        |       |
|-----------|---------------------|--------|-------|
| 74-97-5   | Bromochloromethane  | 156000 | 2.797 |
| 540-36-3  | 1,4-Difluorobenzene | 446000 | 3.975 |
| 3114-55-4 | Chlorobenzene-d5    | 402000 | 8.898 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                      |      |   |      |      |
|-------------|----------------------|------|---|------|------|
| 115-07-1    | Propene              | 14.8 | J | 1.49 | ppbv |
| 000115-11-7 | 1-Propene, 2-methyl- | 22.8 | J | 1.61 | ppbv |
| 64-17-5     | Ethanol              | 55.6 | J | 1.73 | ppbv |

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|-------------|----------------------------------|---------------|----------------|-----------|-----|------------|-------|
| 000591-76-4 | Hexane, 2-methyl-                | 10.2          |                | J         |     | 4.07       | ppbv  |
| 000108-87-2 | Cyclohexane, methyl-             | 25.6          |                | J         |     | 5.69       | ppbv  |
| 000624-29-3 | Cyclohexane, 1,4-dimethyl-, cis- | 12.8          |                | J         |     | 7.64       | ppbv  |
| 000111-65-9 | Octane                           | 11.3          |                | J         |     | 8.32       | 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