

LAB CHRONICLE

|                 |              |                   |                                         |
|-----------------|--------------|-------------------|-----------------------------------------|
| <b>OrderID:</b> | Q3434        | <b>OrderDate:</b> | 10/22/2025 1:40:00 PM                   |
| <b>Client:</b>  | AECOM        | <b>Project:</b>   | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -         |
| <b>Contact:</b> | Rob Forstner | <b>Location:</b>  | 609937951719208 Soil, VOA Ref. #3 Water |

| LabID      | ClientID                 | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|------------|--------------------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| Q3434-01   | PR132-WC1-2025102<br>2   | SOIL   | VOC-TCLVOA-10 | 8260D  | 10/22/25    |           | 10/24/25  | 10/22/25 |
| Q3434-02   | PR132-WC2-2025102<br>2   | Water  | VOC-TCLVOA-10 | 8260D  | 10/22/25    |           | 11/04/25  | 10/22/25 |
| Q3434-02RE | PR132-WC2-2025102<br>2RE | Water  | VOC-TCLVOA-10 | 8260D  | 10/22/25    |           | 11/04/25  | 10/22/25 |
| Q3434-03   | TB                       | Water  | VOC-TCLVOA-10 | 8260D  | 10/22/25    |           | 11/04/25  | 10/22/25 |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q3434  
**Client:** AECOM

| Sample ID         | Client ID                   | Matrix | Parameter                         | Concentration | C | MDL  | RDL  | Units |
|-------------------|-----------------------------|--------|-----------------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b> | <b>PR132-WC1-20251022</b>   |        |                                   |               |   |      |      |       |
| Q3434-01          | PR132-WC1-20251             | SOIL   | Acetone                           | 27.9          | J | 6.60 | 35.0 | ug/Kg |
| Q3434-01          | PR132-WC1-20251             | SOIL   | Carbon Disulfide                  | 12.6          |   | 1.50 | 7.00 | ug/Kg |
|                   |                             |        | <b>Total Voc :</b>                | <b>40.5</b>   |   |      |      |       |
| Q3434-01          | PR132-WC1-20251             | SOIL   | 3-Heptene, 2,2,4,6,6-pentameth *  | 10.3          | J | 0    | 0    | ug/Kg |
| Q3434-01          | PR132-WC1-20251             | SOIL   | Heptane, 2,2,6,6-tetramethyl-4- * | 10.2          | J | 0    | 0    | ug/Kg |
| Q3434-01          | PR132-WC1-20251             | SOIL   | Tert butyl alcohol *              | 38.2          | J | 19.2 | 35.0 | ug/Kg |
|                   |                             |        | <b>Total Tics :</b>               | <b>58.7</b>   |   |      |      |       |
|                   |                             |        | <b>Total Concentration:</b>       | <b>99.2</b>   |   |      |      |       |
| <b>Client ID:</b> | <b>PR132-WC2-20251022</b>   |        |                                   |               |   |      |      |       |
| Q3434-02          | PR132-WC2-20251             | Water  | Acetone                           | 7.80          | J | 1.50 | 25.0 | ug/L  |
| Q3434-02          | PR132-WC2-20251             | Water  | Carbon Disulfide                  | 0.31          | J | 0.21 | 5.00 | ug/L  |
| Q3434-02          | PR132-WC2-20251             | Water  | 2-Butanone                        | 3.90          | J | 0.98 | 25.0 | ug/L  |
|                   |                             |        | <b>Total Voc :</b>                | <b>12.0</b>   |   |      |      |       |
|                   |                             |        | <b>Total Concentration:</b>       | <b>12.0</b>   |   |      |      |       |
| <b>Client ID:</b> | <b>PR132-WC2-20251022RE</b> |        |                                   |               |   |      |      |       |
| Q3434-02RE        | PR132-WC2-20251             | Water  | Acetone                           | 9.10          | J | 1.50 | 25.0 | ug/L  |
| Q3434-02RE        | PR132-WC2-20251             | Water  | Carbon Disulfide                  | 0.35          | J | 0.21 | 5.00 | ug/L  |
| Q3434-02RE        | PR132-WC2-20251             | Water  | 2-Butanone                        | 4.20          | J | 0.98 | 25.0 | ug/L  |
|                   |                             |        | <b>Total Voc :</b>                | <b>13.7</b>   |   |      |      |       |
|                   |                             |        | <b>Total Concentration:</b>       | <b>13.7</b>   |   |      |      |       |



# SAMPLE DATA

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: PR132-WC1-20251022  
Lab Sample ID: Q3434-01  
Analytical Method: 8260D  
Sample Wt/Vol: 6.17 g

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/22/25  
Date Received: 10/22/25  
SDG No.: Q3434  
Matrix: SOIL  
% Solid: 57.9  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 7.00  | U    | 1  | 1.60 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 74-87-3        | Chloromethane                  | 7.00  | U    | 1  | 1.60 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-01-4        | Vinyl Chloride                 | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 74-83-9        | Bromomethane                   | 7.00  | U    | 1  | 1.50 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-00-3        | Chloroethane                   | 7.00  | U    | 1  | 1.80 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-69-4        | Trichlorofluoromethane         | 7.00  | U    | 1  | 1.70 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 7.00  | U    | 1  | 1.50 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-35-4        | 1,1-Dichloroethene             | 7.00  | U    | 1  | 1.40 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 67-64-1        | Acetone                        | 27.9  | J    | 1  | 6.60 | 35.0       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-15-0        | Carbon Disulfide               | 12.6  |      | 1  | 1.50 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 7.00  | U    | 1  | 1.00 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 79-20-9        | Methyl Acetate                 | 7.00  | U    | 1  | 2.20 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-09-2        | Methylene Chloride             | 14.0  | U    | 1  | 4.90 | 14.0       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 7.00  | U    | 1  | 1.20 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-34-3        | 1,1-Dichloroethane             | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 110-82-7       | Cyclohexane                    | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 78-93-3        | 2-Butanone                     | 35.0  | U    | 1  | 9.20 | 35.0       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 56-23-5        | Carbon Tetrachloride           | 7.00  | U    | 1  | 1.40 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 7.00  | U    | 1  | 1.00 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 74-97-5        | Bromochloromethane             | 7.00  | U    | 1  | 1.60 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 67-66-3        | Chloroform                     | 7.00  | U    | 1  | 1.20 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 7.00  | U    | 1  | 1.30 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 108-87-2       | Methylcyclohexane              | 7.00  | U    | 1  | 1.30 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 71-43-2        | Benzene                        | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 107-06-2       | 1,2-Dichloroethane             | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 79-01-6        | Trichloroethene                | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 78-87-5        | 1,2-Dichloropropane            | 7.00  | U    | 1  | 1.30 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-27-4        | Bromodichloromethane           | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 35.0  | U    | 1  | 5.00 | 35.0       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 108-88-3       | Toluene                        | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 7.00  | U    | 1  | 0.91 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 7.00  | U    | 1  | 0.87 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 7.00  | U    | 1  | 1.30 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 591-78-6       | 2-Hexanone                     | 35.0  | U    | 1  | 5.20 | 35.0       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 124-48-1       | Dibromochloromethane           | 7.00  | U    | 1  | 1.20 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 106-93-4       | 1,2-Dibromoethane              | 7.00  | U    | 1  | 1.20 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 127-18-4       | Tetrachloroethene              | 7.00  | U    | 1  | 1.50 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 108-90-7       | Chlorobenzene                  | 7.00  | U    | 1  | 1.30 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 100-41-4       | Ethyl Benzene                  | 7.00  | U    | 1  | 0.94 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 179601-23-1    | m/p-Xylenes                    | 14.0  | U    | 1  | 1.70 | 14.0       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 95-47-6        | o-Xylene                       | 7.00  | U    | 1  | 1.10 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 100-42-5       | Styrene                        | 7.00  | U    | 1  | 0.99 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |
| 75-25-2        | Bromoform                      | 7.00  | U    | 1  | 1.20 | 7.00       | ug/Kg | 10/24/25 14:28 | VY102425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: | 10/22/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  | 10/22/25      |
| Client Sample ID:  | PR132-WC1-20251022                               | SDG No.:        | Q3434         |
| Lab Sample ID:     | Q3434-01                                         | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 57.9          |
| Sample Wt/Vol:     | 6.17 g                                           | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                            | Parameter                          | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------------------|------------------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                               | Isopropylbenzene                   | 7.00              | U    | 1  | 1.10     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane          | 7.00              | U    | 1  | 1.70     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 541-73-1                              | 1,3-Dichlorobenzene                | 7.00              | U    | 1  | 2.40     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 106-46-7                              | 1,4-Dichlorobenzene                | 7.00              | U    | 1  | 2.20     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 95-50-1                               | 1,2-Dichlorobenzene                | 7.00              | U    | 1  | 2.00     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 96-12-8                               | 1,2-Dibromo-3-Chloropropane        | 7.00              | U    | 1  | 2.60     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 120-82-1                              | 1,2,4-Trichlorobenzene             | 7.00              | U    | 1  | 4.20     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| 87-61-6                               | 1,2,3-Trichlorobenzene             | 7.00              | U    | 1  | 4.50     | 7.00       | ug/Kg   | 10/24/25 14:28 | VY102425 |
| <b>SURROGATES</b>                     |                                    |                   |      |    |          |            |         |                |          |
| 17060-07-0                            | 1,2-Dichloroethane-d4              | 53.2              |      |    | 63 - 155 | 106%       | SPK: 50 |                |          |
| 1868-53-7                             | Dibromofluoromethane               | 51.4              |      |    | 70 - 134 | 103%       | SPK: 50 |                |          |
| 2037-26-5                             | Toluene-d8                         | 49.3              |      |    | 74 - 123 | 99%        | SPK: 50 |                |          |
| 460-00-4                              | 4-Bromofluorobenzene               | 46.7              |      |    | 17 - 146 | 93%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b>             |                                    |                   |      |    |          |            |         |                |          |
|                                       |                                    | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                              | Pentafluorobenzene                 | 801000            |      |    |          |            |         |                |          |
| 540-36-3                              | 1,4-Difluorobenzene                | 1310000           |      |    |          |            |         |                |          |
| 3114-55-4                             | Chlorobenzene-d5                   | 1150000           |      |    |          |            |         |                |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 505000            |      |    |          |            |         |                |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |                   |      |    |          |            |         |                |          |
| 75-65-0                               | Tert butyl alcohol                 | 38.2              | J    |    |          | 4.86       | ug/Kg   |                |          |
| 000141-70-8                           | Heptane, 2,2,6,6-tetramethyl-4-met | 10.2              | J    |    |          | 12.9       | ug/Kg   |                |          |
| 000123-48-8                           | 3-Heptene, 2,2,4,6,6-pentamethyl-  | 10.3              | J    |    |          | 12.9       | ug/Kg   |                |          |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: PR132-WC2-20251022  
Lab Sample ID: Q3434-02  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/22/25  
Date Received: 10/22/25  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 74-87-3        | Chloromethane                  | 5.00  | U    | 1  | 0.32  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-01-4        | Vinyl Chloride                 | 5.00  | U    | 1  | 0.26  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-00-3        | Chloroethane                   | 5.00  | U    | 1  | 0.47  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | U    | 1  | 0.33  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-35-4        | 1,1-Dichloroethene             | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 67-64-1        | Acetone                        | 7.80  | J    | 1  | 1.50  | 25.0       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-15-0        | Carbon Disulfide               | 0.31  | J    | 1  | 0.21  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 79-20-9        | Methyl Acetate                 | 5.00  | U    | 1  | 0.27  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-09-2        | Methylene Chloride             | 5.00  | U    | 1  | 0.28  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 78-93-3        | 2-Butanone                     | 3.90  | J    | 1  | 0.98  | 25.0       | ug/L  | 11/04/25 13:49 | VV110425 |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.00  | U    | 1  | 0.19  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 74-97-5        | Bromochloromethane             | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 67-66-3        | Chloroform                     | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | U    | 1  | 0.20  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 108-87-2       | Methylcyclohexane              | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 71-43-2        | Benzene                        | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 79-01-6        | Trichloroethene                | 5.00  | U    | 1  | 0.090 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | U    | 1  | 0.20  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-27-4        | Bromodichloromethane           | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | U    | 1  | 0.68  | 25.0       | ug/L  | 11/04/25 13:49 | VV110425 |
| 108-88-3       | Toluene                        | 5.00  | U    | 1  | 0.14  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 5.00  | U    | 1  | 0.17  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 5.00  | U    | 1  | 0.21  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 591-78-6       | 2-Hexanone                     | 25.0  | U    | 1  | 0.89  | 25.0       | ug/L  | 11/04/25 13:49 | VV110425 |
| 124-48-1       | Dibromochloromethane           | 5.00  | U    | 1  | 0.18  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 106-93-4       | 1,2-Dibromoethane              | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 127-18-4       | Tetrachloroethene              | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 108-90-7       | Chlorobenzene                  | 5.00  | U    | 1  | 0.12  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 100-41-4       | Ethyl Benzene                  | 5.00  | U    | 1  | 0.13  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 179601-23-1    | m/p-Xylenes                    | 10.0  | U    | 1  | 0.24  | 10.0       | ug/L  | 11/04/25 13:49 | VV110425 |
| 95-47-6        | o-Xylene                       | 5.00  | U    | 1  | 0.12  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 100-42-5       | Styrene                        | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 75-25-2        | Bromoform                      | 5.00  | U    | 1  | 0.19  | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: PR132-WC2-20251022  
Lab Sample ID: Q3434-02  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/22/25  
Date Received: 10/22/25  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 5.00  | U    | 1  | 0.12 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 5.00  | U    | 1  | 0.26 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 5.00  | U    | 1  | 0.16 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 5.00  | U    | 1  | 0.19 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 5.00  | U    | 1  | 0.16 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 5.00  | U    | 1  | 0.53 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 5.00  | U    | 1  | 0.20 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 5.00  | U    | 1  | 0.20 | 5.00       | ug/L  | 11/04/25 13:49 | VV110425 |

### SURROGATES

|            |                       |      |   |  |          |      |         |
|------------|-----------------------|------|---|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 63.1 | * |  | 74 - 125 | 126% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 55.5 |   |  | 75 - 124 | 111% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 51.6 |   |  | 86 - 113 | 103% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 55.4 |   |  | 77 - 121 | 111% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 660000     |
| 540-36-3           | 1,4-Difluorobenzene    | 1190000    |
| 3114-55-4          | Chlorobenzene-d5       | 1120000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 499000     |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: PR132-WC2-20251022RE  
Lab Sample ID: Q3434-02RE  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/22/25  
Date Received: 10/22/25  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 74-87-3        | Chloromethane                  | 5.00  | U    | 1  | 0.32  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-01-4        | Vinyl Chloride                 | 5.00  | U    | 1  | 0.26  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-00-3        | Chloroethane                   | 5.00  | U    | 1  | 0.47  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | U    | 1  | 0.33  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-35-4        | 1,1-Dichloroethene             | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 67-64-1        | Acetone                        | 9.10  | J    | 1  | 1.50  | 25.0       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-15-0        | Carbon Disulfide               | 0.35  | J    | 1  | 0.21  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 79-20-9        | Methyl Acetate                 | 5.00  | U    | 1  | 0.27  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-09-2        | Methylene Chloride             | 5.00  | U    | 1  | 0.28  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 78-93-3        | 2-Butanone                     | 4.20  | J    | 1  | 0.98  | 25.0       | ug/L  | 11/04/25 14:34 | VV110425 |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.00  | U    | 1  | 0.19  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 74-97-5        | Bromochloromethane             | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 67-66-3        | Chloroform                     | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | U    | 1  | 0.20  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 108-87-2       | Methylcyclohexane              | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 71-43-2        | Benzene                        | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 79-01-6        | Trichloroethene                | 5.00  | U    | 1  | 0.090 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | U    | 1  | 0.20  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-27-4        | Bromodichloromethane           | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | U    | 1  | 0.68  | 25.0       | ug/L  | 11/04/25 14:34 | VV110425 |
| 108-88-3       | Toluene                        | 5.00  | U    | 1  | 0.14  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 5.00  | U    | 1  | 0.17  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 5.00  | U    | 1  | 0.21  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 591-78-6       | 2-Hexanone                     | 25.0  | U    | 1  | 0.89  | 25.0       | ug/L  | 11/04/25 14:34 | VV110425 |
| 124-48-1       | Dibromochloromethane           | 5.00  | U    | 1  | 0.18  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 106-93-4       | 1,2-Dibromoethane              | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 127-18-4       | Tetrachloroethene              | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 108-90-7       | Chlorobenzene                  | 5.00  | U    | 1  | 0.12  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 100-41-4       | Ethyl Benzene                  | 5.00  | U    | 1  | 0.13  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 179601-23-1    | m/p-Xylenes                    | 10.0  | U    | 1  | 0.24  | 10.0       | ug/L  | 11/04/25 14:34 | VV110425 |
| 95-47-6        | o-Xylene                       | 5.00  | U    | 1  | 0.12  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 100-42-5       | Styrene                        | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 75-25-2        | Bromoform                      | 5.00  | U    | 1  | 0.19  | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |



## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: | 10/22/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  | 10/22/25      |
| Client Sample ID:  | PR132-WC2-20251022RE                             | SDG No.:        | Q3434         |
| Lab Sample ID:     | Q3434-02RE                                       | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 5.00  | U    | 1  | 0.12 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 5.00  | U    | 1  | 0.26 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 5.00  | U    | 1  | 0.16 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 5.00  | U    | 1  | 0.19 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 5.00  | U    | 1  | 0.16 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 5.00  | U    | 1  | 0.53 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 5.00  | U    | 1  | 0.20 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 5.00  | U    | 1  | 0.20 | 5.00       | ug/L  | 11/04/25 14:34 | VV110425 |

### SURROGATES

|            |                       |      |   |  |          |      |         |
|------------|-----------------------|------|---|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 65.5 | * |  | 74 - 125 | 131% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 57.7 |   |  | 75 - 124 | 115% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 53.8 |   |  | 86 - 113 | 108% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 58.3 |   |  | 77 - 121 | 117% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 632000     |
| 540-36-3           | 1,4-Difluorobenzene    | 1130000    |
| 3114-55-4          | Chlorobenzene-d5       | 1080000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 493000     |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: TB  
Lab Sample ID: Q3434-03  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/22/25  
Date Received: 10/22/25  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 74-87-3        | Chloromethane                  | 5.00  | U    | 1  | 0.32  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-01-4        | Vinyl Chloride                 | 5.00  | U    | 1  | 0.26  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-00-3        | Chloroethane                   | 5.00  | U    | 1  | 0.47  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | U    | 1  | 0.33  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-35-4        | 1,1-Dichloroethene             | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 67-64-1        | Acetone                        | 25.0  | U    | 1  | 1.50  | 25.0       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-15-0        | Carbon Disulfide               | 5.00  | U    | 1  | 0.21  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 79-20-9        | Methyl Acetate                 | 5.00  | U    | 1  | 0.27  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-09-2        | Methylene Chloride             | 5.00  | U    | 1  | 0.28  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 78-93-3        | 2-Butanone                     | 25.0  | U    | 1  | 0.98  | 25.0       | ug/L  | 11/04/25 14:12 | VV110425 |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.00  | U    | 1  | 0.19  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 74-97-5        | Bromochloromethane             | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 67-66-3        | Chloroform                     | 5.00  | U    | 1  | 0.25  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | U    | 1  | 0.20  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 108-87-2       | Methylcyclohexane              | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 71-43-2        | Benzene                        | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 79-01-6        | Trichloroethene                | 5.00  | U    | 1  | 0.090 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | U    | 1  | 0.20  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-27-4        | Bromodichloromethane           | 5.00  | U    | 1  | 0.22  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | U    | 1  | 0.68  | 25.0       | ug/L  | 11/04/25 14:12 | VV110425 |
| 108-88-3       | Toluene                        | 5.00  | U    | 1  | 0.14  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 5.00  | U    | 1  | 0.17  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 5.00  | U    | 1  | 0.16  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 5.00  | U    | 1  | 0.21  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 591-78-6       | 2-Hexanone                     | 25.0  | U    | 1  | 0.89  | 25.0       | ug/L  | 11/04/25 14:12 | VV110425 |
| 124-48-1       | Dibromochloromethane           | 5.00  | U    | 1  | 0.18  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 106-93-4       | 1,2-Dibromoethane              | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 127-18-4       | Tetrachloroethene              | 5.00  | U    | 1  | 0.23  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 108-90-7       | Chlorobenzene                  | 5.00  | U    | 1  | 0.12  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 100-41-4       | Ethyl Benzene                  | 5.00  | U    | 1  | 0.13  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 179601-23-1    | m/p-Xylenes                    | 10.0  | U    | 1  | 0.24  | 10.0       | ug/L  | 11/04/25 14:12 | VV110425 |
| 95-47-6        | o-Xylene                       | 5.00  | U    | 1  | 0.12  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 100-42-5       | Styrene                        | 5.00  | U    | 1  | 0.15  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 75-25-2        | Bromoform                      | 5.00  | U    | 1  | 0.19  | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: | 10/22/25      |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  | 10/22/25      |
| Client Sample ID:  | TB                                               | SDG No.:        | Q3434         |
| Lab Sample ID:     | Q3434-03                                         | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 5.00  | U    | 1  | 0.12 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 5.00  | U    | 1  | 0.26 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 5.00  | U    | 1  | 0.16 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 5.00  | U    | 1  | 0.19 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 5.00  | U    | 1  | 0.16 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 5.00  | U    | 1  | 0.53 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 5.00  | U    | 1  | 0.20 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 5.00  | U    | 1  | 0.20 | 5.00       | ug/L  | 11/04/25 14:12 | VV110425 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 62.2 |  |  | 74 - 125 | 124% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 52.9 |  |  | 75 - 124 | 106% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 48.8 |  |  | 86 - 113 | 98%  | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 51.6 |  |  | 77 - 121 | 103% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 660000     |
| 540-36-3           | 1,4-Difluorobenzene    | 1220000    |
| 3114-55-4          | Chlorobenzene-d5       | 1160000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 512000     |

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



# QC SUMMARY

## Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: SW8260D

| Lab Sample ID | Client ID            | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|----------------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |                      |                       |       |        |              |      | Low        | High |
| Q3434-01      | PR132-WC1-20251022   | 1,2-Dichloroethane-d4 | 50    | 53.2   | 106          |      | 63         | 155  |
|               |                      | Dibromofluoromethane  | 50    | 51.4   | 103          |      | 70         | 134  |
|               |                      | Toluene-d8            | 50    | 49.3   | 99           |      | 74         | 123  |
|               |                      | 4-Bromofluorobenzene  | 50    | 46.7   | 93           |      | 17         | 146  |
| Q3434-02      | PR132-WC2-20251022   | 1,2-Dichloroethane-d4 | 50    | 63.1   | 126          | *    | 74         | 125  |
|               |                      | Dibromofluoromethane  | 50    | 55.5   | 111          |      | 75         | 124  |
|               |                      | Toluene-d8            | 50    | 51.6   | 103          |      | 86         | 113  |
|               |                      | 4-Bromofluorobenzene  | 50    | 55.4   | 111          |      | 77         | 121  |
| Q3434-02RE    | PR132-WC2-20251022RE | 1,2-Dichloroethane-d4 | 50    | 65.5   | 131          | *    | 74         | 125  |
|               |                      | Dibromofluoromethane  | 50    | 57.7   | 115          |      | 75         | 124  |
|               |                      | Toluene-d8            | 50    | 53.8   | 108          |      | 86         | 113  |
|               |                      | 4-Bromofluorobenzene  | 50    | 58.3   | 117          |      | 77         | 121  |
| Q3434-03      | TB                   | 1,2-Dichloroethane-d4 | 50    | 62.2   | 124          |      | 74         | 125  |
|               |                      | Dibromofluoromethane  | 50    | 52.9   | 106          |      | 75         | 124  |
|               |                      | Toluene-d8            | 50    | 48.9   | 98           |      | 86         | 113  |
|               |                      | 4-Bromofluorobenzene  | 50    | 51.6   | 103          |      | 77         | 121  |
| VY1024SBL01   | VY1024SBL01          | 1,2-Dichloroethane-d4 | 50    | 44.4   | 89           |      | 63         | 155  |
|               |                      | Dibromofluoromethane  | 50    | 48.7   | 97           |      | 70         | 134  |
|               |                      | Toluene-d8            | 50    | 47.8   | 95           |      | 74         | 123  |
|               |                      | 4-Bromofluorobenzene  | 50    | 40.6   | 81           |      | 17         | 146  |
| VY1024SBS01   | VY1024SBS01          | 1,2-Dichloroethane-d4 | 50    | 44.2   | 88           |      | 63         | 155  |
|               |                      | Dibromofluoromethane  | 50    | 49.5   | 99           |      | 70         | 134  |
|               |                      | Toluene-d8            | 50    | 48.4   | 97           |      | 74         | 123  |
|               |                      | 4-Bromofluorobenzene  | 50    | 49.3   | 99           |      | 17         | 146  |
| VY1024SBSD01  | VY1024SBSD01         | 1,2-Dichloroethane-d4 | 50    | 44.4   | 89           |      | 63         | 155  |
|               |                      | Dibromofluoromethane  | 50    | 49.4   | 99           |      | 70         | 134  |
|               |                      | Toluene-d8            | 50    | 47.6   | 95           |      | 74         | 123  |
|               |                      | 4-Bromofluorobenzene  | 50    | 47.8   | 96           |      | 17         | 146  |

## Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |              |                       |       |        |              |      | Low        | High |
| VV1104WBL01   | VV1104WBL01  | 1,2-Dichloroethane-d4 | 50    | 58.0   | 116          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 50.3   | 101          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 48.6   | 97           |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 51.8   | 104          |      | 77         | 121  |
| VV1104WBS01   | VV1104WBS01  | 1,2-Dichloroethane-d4 | 50    | 49.1   | 98           |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 50.1   | 100          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 52.5   | 105          |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 53.7   | 107          |      | 77         | 121  |
| VV1104WBSD0   | VV1104WBSD01 | 1,2-Dichloroethane-d4 | 50    | 50.3   | 100          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 50.2   | 100          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 52.5   | 105          |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 53.5   | 107          |      | 77         | 121  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8260-Low

Client: AECOM

Datafile : VV039309.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                                |       |        |      |     |     |      |     | High   |     |
| VV1104WBS01   | Dichlorodifluoromethane        | 20    | 16.2   | ug/L | 81  |     |      | 69  | 116    |     |
|               | Chloromethane                  | 20    | 17.6   | ug/L | 88  |     |      | 65  | 116    |     |
|               | Vinyl chloride                 | 20    | 16.8   | ug/L | 84  |     |      | 65  | 117    |     |
|               | Bromomethane                   | 20    | 18.8   | ug/L | 94  |     |      | 58  | 125    |     |
|               | Chloroethane                   | 20    | 19.0   | ug/L | 95  |     |      | 56  | 128    |     |
|               | Trichlorofluoromethane         | 20    | 17.4   | ug/L | 87  |     |      | 73  | 115    |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.1   | ug/L | 91  |     |      | 80  | 112    |     |
|               | 1,1-Dichloroethene             | 20    | 16.8   | ug/L | 84  |     |      | 74  | 110    |     |
|               | Acetone                        | 100   | 78.3   | ug/L | 78  |     |      | 60  | 125    |     |
|               | Carbon disulfide               | 20    | 17.3   | ug/L | 86  |     |      | 64  | 112    |     |
|               | Methyl tert-butyl Ether        | 20    | 17.5   | ug/L | 88  |     |      | 78  | 114    |     |
|               | Methyl Acetate                 | 20    | 14.2   | ug/L | 71  |     |      | 67  | 125    |     |
|               | Methylene Chloride             | 20    | 19.1   | ug/L | 96  |     |      | 72  | 114    |     |
|               | trans-1,2-Dichloroethene       | 20    | 17.4   | ug/L | 87  |     |      | 75  | 108    |     |
|               | 1,1-Dichloroethane             | 20    | 17.4   | ug/L | 87  |     |      | 78  | 112    |     |
|               | Cyclohexane                    | 20    | 18.3   | ug/L | 92  |     |      | 75  | 110    |     |
|               | 2-Butanone                     | 100   | 76.2   | ug/L | 76  |     |      | 65  | 122    |     |
|               | Carbon Tetrachloride           | 20    | 18.3   | ug/L | 92  |     |      | 77  | 113    |     |
|               | cis-1,2-Dichloroethene         | 20    | 18.1   | ug/L | 91  |     |      | 77  | 110    |     |
|               | Bromochloromethane             | 20    | 17.4   | ug/L | 87  |     |      | 70  | 124    |     |
|               | Chloroform                     | 20    | 17.5   | ug/L | 88  |     |      | 79  | 113    |     |
|               | 1,1,1-Trichloroethane          | 20    | 17.8   | ug/L | 89  |     |      | 80  | 108    |     |
|               | Methylcyclohexane              | 20    | 17.7   | ug/L | 89  |     |      | 72  | 115    |     |
|               | Benzene                        | 20    | 18.8   | ug/L | 94  |     |      | 82  | 109    |     |
|               | 1,2-Dichloroethane             | 20    | 18.0   | ug/L | 90  |     |      | 80  | 115    |     |
|               | Trichloroethene                | 20    | 18.6   | ug/L | 93  |     |      | 77  | 113    |     |
|               | 1,2-Dichloropropane            | 20    | 19.5   | ug/L | 98  |     |      | 83  | 111    |     |
|               | Bromodichloromethane           | 20    | 18.3   | ug/L | 92  |     |      | 83  | 110    |     |
|               | 4-Methyl-2-Pentanone           | 100   | 86.1   | ug/L | 86  |     |      | 74  | 118    |     |
|               | Toluene                        | 20    | 19.7   | ug/L | 99  |     |      | 82  | 110    |     |
|               | t-1,3-Dichloropropene          | 20    | 18.8   | ug/L | 94  |     |      | 79  | 110    |     |
|               | cis-1,3-Dichloropropene        | 20    | 19.4   | ug/L | 97  |     |      | 82  | 110    |     |
|               | 1,1,2-Trichloroethane          | 20    | 18.0   | ug/L | 90  |     |      | 83  | 112    |     |
|               | 2-Hexanone                     | 100   | 83.8   | ug/L | 84  |     |      | 73  | 117    |     |
|               | Dibromochloromethane           | 20    | 18.3   | ug/L | 92  |     |      | 82  | 110    |     |
|               | 1,2-Dibromoethane              | 20    | 18.5   | ug/L | 93  |     |      | 81  | 110    |     |
|               | Tetrachloroethene              | 20    | 18.6   | ug/L | 93  |     |      | 67  | 123    |     |
|               | Chlorobenzene                  | 20    | 18.3   | ug/L | 92  |     |      | 82  | 109    |     |
|               | Ethyl Benzene                  | 20    | 18.7   | ug/L | 94  |     |      | 83  | 109    |     |
|               | m/p-Xylenes                    | 40    | 39.6   | ug/L | 99  |     |      | 82  | 110    |     |
|               | o-Xylene                       | 20    | 18.7   | ug/L | 94  |     |      | 83  | 109    |     |
|               | Styrene                        | 20    | 19.8   | ug/L | 99  |     |      | 80  | 111    |     |
|               | Bromoform                      | 20    | 17.9   | ug/L | 90  |     |      | 79  | 109    |     |
|               | Isopropylbenzene               | 20    | 19.2   | ug/L | 96  |     |      | 83  | 112    |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 16.2   | ug/L | 81  |     |      | 76  | 118    |     |
|               | 1,3-Dichlorobenzene            | 20    | 18.7   | ug/L | 94  |     |      | 82  | 108    |     |
|               | 1,4-Dichlorobenzene            | 20    | 17.9   | ug/L | 90  |     |      | 82  | 107    |     |
|               | 1,2-Dichlorobenzene            | 20    | 18.1   | ug/L | 91  |     |      | 82  | 109    |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |                     |                           |                          |
|-----------------|---------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3434</b></u> | <b>Analytical Method:</b> | <u><b>SW8260-Low</b></u> |
| <b>Client:</b>  | <u><b>AECOM</b></u> | <b>Datafile :</b>         | <u><b>VV039309.D</b></u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VV1104WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 14.9   | ug/L | 75  |     |      | 68  | 112    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 17.9   | ug/L | 90  |     |      | 75  | 113    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 17.3   | ug/L | 86  |     |      | 76  | 114    |     |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

|          |  |       |            |  |                    |  |            |
|----------|--|-------|------------|--|--------------------|--|------------|
| SDG No.: |  | Q3434 | SW-846     |  | Analytical Method: |  | SW8260-Low |
| Client:  |  | AECOM | Datafile : |  | VV039310.D         |  |            |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|-------------|-----|
| VV1104WBSD01  | Dichlorodifluoromethane        | 20    | 15.9   | ug/L | 79  | 3   |      | 69  | 116         | 19  |
|               | Chloromethane                  | 20    | 17.6   | ug/L | 88  | 0   |      | 65  | 116         | 21  |
|               | Vinyl chloride                 | 20    | 16.7   | ug/L | 84  | 0   |      | 65  | 117         | 19  |
|               | Bromomethane                   | 20    | 19.0   | ug/L | 95  | 1   |      | 58  | 125         | 20  |
|               | Chloroethane                   | 20    | 18.6   | ug/L | 93  | 2   |      | 56  | 128         | 20  |
|               | Trichlorofluoromethane         | 20    | 17.3   | ug/L | 86  | 1   |      | 73  | 115         | 16  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 17.7   | ug/L | 89  | 2   |      | 80  | 112         | 15  |
|               | 1,1-Dichloroethene             | 20    | 16.5   | ug/L | 83  | 1   |      | 74  | 110         | 20  |
|               | Acetone                        | 100   | 89.0   | ug/L | 89  | 13  |      | 60  | 125         | 20  |
|               | Carbon disulfide               | 20    | 17.0   | ug/L | 85  | 1   |      | 64  | 112         | 20  |
|               | Methyl tert-butyl Ether        | 20    | 18.3   | ug/L | 92  | 4   |      | 78  | 114         | 20  |
|               | Methyl Acetate                 | 20    | 15.7   | ug/L | 79  | 11  |      | 67  | 125         | 20  |
|               | Methylene Chloride             | 20    | 19.5   | ug/L | 98  | 2   |      | 72  | 114         | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 17.0   | ug/L | 85  | 2   |      | 75  | 108         | 16  |
|               | 1,1-Dichloroethane             | 20    | 17.3   | ug/L | 86  | 1   |      | 78  | 112         | 20  |
|               | Cyclohexane                    | 20    | 18.1   | ug/L | 91  | 1   |      | 75  | 110         | 20  |
|               | 2-Butanone                     | 100   | 85.1   | ug/L | 85  | 11  |      | 65  | 122         | 26  |
|               | Carbon Tetrachloride           | 20    | 18.5   | ug/L | 93  | 1   |      | 77  | 113         | 15  |
|               | cis-1,2-Dichloroethene         | 20    | 19.0   | ug/L | 95  | 4   |      | 77  | 110         | 20  |
|               | Bromochloromethane             | 20    | 17.6   | ug/L | 88  | 1   |      | 70  | 124         | 20  |
|               | Chloroform                     | 20    | 17.7   | ug/L | 89  | 1   |      | 79  | 113         | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 17.9   | ug/L | 90  | 1   |      | 80  | 108         | 20  |
|               | Methylcyclohexane              | 20    | 17.9   | ug/L | 90  | 1   |      | 72  | 115         | 20  |
|               | Benzene                        | 20    | 18.8   | ug/L | 94  | 0   |      | 82  | 109         | 15  |
|               | 1,2-Dichloroethane             | 20    | 18.2   | ug/L | 91  | 1   |      | 80  | 115         | 20  |
|               | Trichloroethene                | 20    | 19.0   | ug/L | 95  | 2   |      | 77  | 113         | 15  |
|               | 1,2-Dichloropropane            | 20    | 18.5   | ug/L | 93  | 5   |      | 83  | 111         | 16  |
|               | Bromodichloromethane           | 20    | 18.5   | ug/L | 93  | 1   |      | 83  | 110         | 16  |
|               | 4-Methyl-2-Pentanone           | 100   | 93.4   | ug/L | 93  | 8   |      | 74  | 118         | 25  |
|               | Toluene                        | 20    | 20.0   | ug/L | 100 | 1   |      | 82  | 110         | 16  |
|               | t-1,3-Dichloropropene          | 20    | 19.3   | ug/L | 97  | 3   |      | 79  | 110         | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 19.6   | ug/L | 98  | 1   |      | 82  | 110         | 16  |
|               | 1,1,2-Trichloroethane          | 20    | 18.8   | ug/L | 94  | 4   |      | 83  | 112         | 20  |
|               | 2-Hexanone                     | 100   | 91.1   | ug/L | 91  | 8   |      | 73  | 117         | 25  |
|               | Dibromochloromethane           | 20    | 18.7   | ug/L | 94  | 2   |      | 82  | 110         | 20  |
|               | 1,2-Dibromoethane              | 20    | 18.9   | ug/L | 95  | 2   |      | 81  | 110         | 20  |
|               | Tetrachloroethene              | 20    | 19.0   | ug/L | 95  | 2   |      | 67  | 123         | 15  |
|               | Chlorobenzene                  | 20    | 18.7   | ug/L | 94  | 2   |      | 82  | 109         | 15  |
|               | Ethyl Benzene                  | 20    | 19.0   | ug/L | 95  | 1   |      | 83  | 109         | 16  |
|               | m/p-Xylenes                    | 40    | 40.2   | ug/L | 101 | 2   |      | 82  | 110         | 15  |
|               | o-Xylene                       | 20    | 19.3   | ug/L | 97  | 3   |      | 83  | 109         | 20  |
|               | Styrene                        | 20    | 20.2   | ug/L | 101 | 2   |      | 80  | 111         | 17  |
|               | Bromoform                      | 20    | 18.8   | ug/L | 94  | 4   |      | 79  | 109         | 20  |
|               | Isopropylbenzene               | 20    | 19.3   | ug/L | 97  | 1   |      | 83  | 112         | 29  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 16.6   | ug/L | 83  | 2   |      | 76  | 118         | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 19.1   | ug/L | 96  | 2   |      | 82  | 108         | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 18.0   | ug/L | 90  | 0   |      | 82  | 107         | 15  |
|               | 1,2-Dichlorobenzene            | 20    | 18.1   | ug/L | 91  | 0   |      | 82  | 109         | 20  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3434</u> | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>AECOM</u> | <b>Datafile :</b>         | <u>VV039310.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VV1104WBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 15.9   | ug/L | 79  | 5   |      | 68  | 112            | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.1   | ug/L | 91  | 1   |      | 75  | 113            | 29  |
|               | 1,2,3-Trichlorobenzene      | 20    | 18.0   | ug/L | 90  | 5   |      | 76  | 114            | 29  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

|          |              |            |                    |                |
|----------|--------------|------------|--------------------|----------------|
| SDG No.: | <u>Q3434</u> | SW-846     | Analytical Method: | <u>SW8260D</u> |
| Client:  | <u>AECOM</u> | Datafile : | <u>VY023561.D</u>  |                |

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|-----|-------------|-----|
| VY1024SBS01   | Dichlorodifluoromethane        | 20    | 18.6   | ug/Kg | 93  |     |      | 64  | 136         |     |
|               | Chloromethane                  | 20    | 17.3   | ug/Kg | 86  |     |      | 52  | 151         |     |
|               | Vinyl chloride                 | 20    | 18.0   | ug/Kg | 90  |     |      | 56  | 148         |     |
|               | Bromomethane                   | 20    | 20.6   | ug/Kg | 103 |     |      | 58  | 141         |     |
|               | Chloroethane                   | 20    | 18.5   | ug/Kg | 93  |     |      | 69  | 130         |     |
|               | Trichlorofluoromethane         | 20    | 19.0   | ug/Kg | 95  |     |      | 69  | 134         |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.0   | ug/Kg | 100 |     |      | 81  | 123         |     |
|               | 1,1-Dichloroethene             | 20    | 19.8   | ug/Kg | 99  |     |      | 79  | 121         |     |
|               | Acetone                        | 100   | 130    | ug/Kg | 130 |     |      | 40  | 171         |     |
|               | Carbon disulfide               | 20    | 18.4   | ug/Kg | 92  |     |      | 59  | 130         |     |
|               | Methyl tert-butyl Ether        | 20    | 20.0   | ug/Kg | 100 |     |      | 77  | 129         |     |
|               | Methyl Acetate                 | 20    | 17.2   | ug/Kg | 86  |     |      | 69  | 149         |     |
|               | Methylene Chloride             | 20    | 18.5   | ug/Kg | 93  |     |      | 72  | 131         |     |
|               | trans-1,2-Dichloroethene       | 20    | 20.1   | ug/Kg | 101 |     |      | 80  | 123         |     |
|               | 1,1-Dichloroethane             | 20    | 19.8   | ug/Kg | 99  |     |      | 82  | 123         |     |
|               | Cyclohexane                    | 20    | 18.3   | ug/Kg | 92  |     |      | 76  | 122         |     |
|               | 2-Butanone                     | 100   | 110    | ug/Kg | 110 |     |      | 69  | 131         |     |
|               | Carbon Tetrachloride           | 20    | 20.6   | ug/Kg | 103 |     |      | 76  | 129         |     |
|               | cis-1,2-Dichloroethene         | 20    | 20.9   | ug/Kg | 104 |     |      | 82  | 123         |     |
|               | Bromochloromethane             | 20    | 18.9   | ug/Kg | 95  |     |      | 80  | 127         |     |
|               | Chloroform                     | 20    | 20.4   | ug/Kg | 102 |     |      | 82  | 125         |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.5   | ug/Kg | 103 |     |      | 80  | 126         |     |
|               | Methylcyclohexane              | 20    | 20.0   | ug/Kg | 100 |     |      | 77  | 123         |     |
|               | Benzene                        | 20    | 20.7   | ug/Kg | 104 |     |      | 84  | 121         |     |
|               | 1,2-Dichloroethane             | 20    | 19.6   | ug/Kg | 98  |     |      | 81  | 126         |     |
|               | Trichloroethene                | 20    | 21.4   | ug/Kg | 107 |     |      | 83  | 122         |     |
|               | 1,2-Dichloropropane            | 20    | 20.3   | ug/Kg | 102 |     |      | 83  | 122         |     |
|               | Bromodichloromethane           | 20    | 20.8   | ug/Kg | 104 |     |      | 82  | 123         |     |
|               | 4-Methyl-2-Pentanone           | 100   | 96.4   | ug/Kg | 96  |     |      | 70  | 135         |     |
|               | Toluene                        | 20    | 21.3   | ug/Kg | 106 |     |      | 83  | 122         |     |
|               | t-1,3-Dichloropropene          | 20    | 20.3   | ug/Kg | 102 |     |      | 78  | 124         |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.6   | ug/Kg | 103 |     |      | 81  | 122         |     |
|               | 1,1,2-Trichloroethane          | 20    | 21.6   | ug/Kg | 108 |     |      | 82  | 125         |     |
|               | 2-Hexanone                     | 100   | 110    | ug/Kg | 110 |     |      | 66  | 138         |     |
|               | Dibromochloromethane           | 20    | 21.3   | ug/Kg | 106 |     |      | 79  | 125         |     |
|               | 1,2-Dibromoethane              | 20    | 21.4   | ug/Kg | 107 |     |      | 80  | 125         |     |
|               | Tetrachloroethene              | 20    | 20.6   | ug/Kg | 103 |     |      | 83  | 125         |     |
|               | Chlorobenzene                  | 20    | 20.9   | ug/Kg | 104 |     |      | 84  | 122         |     |
|               | Ethyl Benzene                  | 20    | 20.5   | ug/Kg | 103 |     |      | 82  | 124         |     |
|               | m/p-Xylenes                    | 40    | 42.3   | ug/Kg | 106 |     |      | 83  | 124         |     |
|               | o-Xylene                       | 20    | 21.1   | ug/Kg | 106 |     |      | 83  | 123         |     |
|               | Styrene                        | 20    | 20.9   | ug/Kg | 104 |     |      | 82  | 124         |     |
|               | Bromoform                      | 20    | 20.9   | ug/Kg | 104 |     |      | 75  | 127         |     |
|               | Isopropylbenzene               | 20    | 20.6   | ug/Kg | 103 |     |      | 82  | 124         |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.3   | ug/Kg | 102 |     |      | 77  | 127         |     |
|               | 1,3-Dichlorobenzene            | 20    | 20.4   | ug/Kg | 102 |     |      | 83  | 122         |     |
|               | 1,4-Dichlorobenzene            | 20    | 20.6   | ug/Kg | 103 |     |      | 84  | 121         |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.4   | ug/Kg | 102 |     |      | 83  | 124         |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3434</u> | <b>Analytical Method:</b> | <u>SW8260D</u>    |
| <b>Client:</b>  | <u>AECOM</u> | <b>Datafile :</b>         | <u>VY023561.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |       |     |     |      |     | High   |     |
| VY1024SBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 19.1   | ug/Kg | 96  |     |      | 66  | 134    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.9   | ug/Kg | 100 |     |      | 78  | 127    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.6   | ug/Kg | 98  |     |      | 70  | 137    |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

|          |              |            |                    |                   |
|----------|--------------|------------|--------------------|-------------------|
| SDG No.: | <u>Q3434</u> | SW-846     | Analytical Method: | <u>SW8260D</u>    |
| Client:  | <u>AECOM</u> | Datafile : |                    | <u>VY023562.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|-----|-------------|-----|
| VY1024SBSD01  | Dichlorodifluoromethane        | 20    | 19.0   | ug/Kg | 95  | 2   |      | 64  | 136         | 20  |
|               | Chloromethane                  | 20    | 17.9   | ug/Kg | 90  | 5   |      | 52  | 151         | 20  |
|               | Vinyl chloride                 | 20    | 18.8   | ug/Kg | 94  | 4   |      | 56  | 148         | 20  |
|               | Bromomethane                   | 20    | 21.4   | ug/Kg | 107 | 4   |      | 58  | 141         | 20  |
|               | Chloroethane                   | 20    | 19.6   | ug/Kg | 98  | 5   |      | 69  | 130         | 20  |
|               | Trichlorofluoromethane         | 20    | 20.3   | ug/Kg | 102 | 7   |      | 69  | 134         | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 21.2   | ug/Kg | 106 | 6   |      | 81  | 123         | 20  |
|               | 1,1-Dichloroethene             | 20    | 20.8   | ug/Kg | 104 | 5   |      | 79  | 121         | 20  |
|               | Acetone                        | 100   | 130    | ug/Kg | 130 | 0   |      | 40  | 171         | 20  |
|               | Carbon disulfide               | 20    | 19.0   | ug/Kg | 95  | 3   |      | 59  | 130         | 20  |
|               | Methyl tert-butyl Ether        | 20    | 21.1   | ug/Kg | 106 | 6   |      | 77  | 129         | 20  |
|               | Methyl Acetate                 | 20    | 17.5   | ug/Kg | 88  | 2   |      | 69  | 149         | 20  |
|               | Methylene Chloride             | 20    | 19.3   | ug/Kg | 97  | 4   |      | 72  | 131         | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 21.1   | ug/Kg | 106 | 5   |      | 80  | 123         | 20  |
|               | 1,1-Dichloroethane             | 20    | 20.6   | ug/Kg | 103 | 4   |      | 82  | 123         | 20  |
|               | Cyclohexane                    | 20    | 19.2   | ug/Kg | 96  | 4   |      | 76  | 122         | 20  |
|               | 2-Butanone                     | 100   | 120    | ug/Kg | 120 | 9   |      | 69  | 131         | 20  |
|               | Carbon Tetrachloride           | 20    | 21.4   | ug/Kg | 107 | 4   |      | 76  | 129         | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 21.7   | ug/Kg | 109 | 5   |      | 82  | 123         | 20  |
|               | Bromochloromethane             | 20    | 20.0   | ug/Kg | 100 | 5   |      | 80  | 127         | 20  |
|               | Chloroform                     | 20    | 21.3   | ug/Kg | 106 | 4   |      | 82  | 125         | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 21.2   | ug/Kg | 106 | 3   |      | 80  | 126         | 20  |
|               | Methylcyclohexane              | 20    | 20.7   | ug/Kg | 104 | 4   |      | 77  | 123         | 20  |
|               | Benzene                        | 20    | 21.3   | ug/Kg | 106 | 2   |      | 84  | 121         | 20  |
|               | 1,2-Dichloroethane             | 20    | 20.4   | ug/Kg | 102 | 4   |      | 81  | 126         | 20  |
|               | Trichloroethene                | 20    | 21.9   | ug/Kg | 110 | 3   |      | 83  | 122         | 20  |
|               | 1,2-Dichloropropane            | 20    | 21.0   | ug/Kg | 105 | 3   |      | 83  | 122         | 20  |
|               | Bromodichloromethane           | 20    | 21.6   | ug/Kg | 108 | 4   |      | 82  | 123         | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 100    | ug/Kg | 100 | 4   |      | 70  | 135         | 20  |
|               | Toluene                        | 20    | 21.9   | ug/Kg | 110 | 4   |      | 83  | 122         | 20  |
|               | t-1,3-Dichloropropene          | 20    | 21.3   | ug/Kg | 106 | 4   |      | 78  | 124         | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 21.8   | ug/Kg | 109 | 6   |      | 81  | 122         | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 23.0   | ug/Kg | 115 | 6   |      | 82  | 125         | 20  |
|               | 2-Hexanone                     | 100   | 120    | ug/Kg | 120 | 9   |      | 66  | 138         | 20  |
|               | Dibromochloromethane           | 20    | 22.7   | ug/Kg | 114 | 7   |      | 79  | 125         | 20  |
|               | 1,2-Dibromoethane              | 20    | 22.5   | ug/Kg | 113 | 5   |      | 80  | 125         | 20  |
|               | Tetrachloroethene              | 20    | 21.3   | ug/Kg | 106 | 3   |      | 83  | 125         | 20  |
|               | Chlorobenzene                  | 20    | 21.9   | ug/Kg | 110 | 6   |      | 84  | 122         | 20  |
|               | Ethyl Benzene                  | 20    | 21.5   | ug/Kg | 108 | 5   |      | 82  | 124         | 20  |
|               | m/p-Xylenes                    | 40    | 44.4   | ug/Kg | 111 | 5   |      | 83  | 124         | 20  |
|               | o-Xylene                       | 20    | 22.0   | ug/Kg | 110 | 4   |      | 83  | 123         | 20  |
|               | Styrene                        | 20    | 21.9   | ug/Kg | 110 | 6   |      | 82  | 124         | 20  |
|               | Bromoform                      | 20    | 22.6   | ug/Kg | 113 | 8   |      | 75  | 127         | 20  |
|               | Isopropylbenzene               | 20    | 21.8   | ug/Kg | 109 | 6   |      | 82  | 124         | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 22.4   | ug/Kg | 112 | 9   |      | 77  | 127         | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 22.0   | ug/Kg | 110 | 8   |      | 83  | 122         | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 21.8   | ug/Kg | 109 | 6   |      | 84  | 121         | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 22.3   | ug/Kg | 112 | 9   |      | 83  | 124         | 20  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** Q3434

**Analytical Method:** SW8260D

**Client:** AECOM

**Datafile :** VY023562.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |       |     |     |      |     | High   |     |
| VY1024SBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 22.0   | ug/Kg | 110 | 14  |      | 66  | 134    | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 21.9   | ug/Kg | 110 | 10  |      | 78  | 127    | 20  |
|               | 1,2,3-Trichlorobenzene      | 20    | 21.4   | ug/Kg | 107 | 9   |      | 70  | 137    | 20  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VV1104WBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VV039308.D

Lab Sample ID: VV1104WBL01

Date Analyzed: 11/04/2025

Time Analyzed: 12:21

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.    | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----------------------|------------------|----------------|------------------|
| VV1104WBS01          | VV1104WBS01      | VV039309.D     | 11/04/2025       |
| VV1104WBSD01         | VV1104WBSD01     | VV039310.D     | 11/04/2025       |
| PR132-WC2-20251022   | Q3434-02         | VV039311.D     | 11/04/2025       |
| TB                   | Q3434-03         | VV039312.D     | 11/04/2025       |
| PR132-WC2-20251022RE | Q3434-02RE       | VV039313.D     | 11/04/2025       |

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1024SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VY023560.D

Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2025

Time Analyzed: 09:24

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| VY1024SBS01        | VY1024SBS01      | VY023561.D     | 10/24/2025       |
| VY1024SBSD01       | VY1024SBSD01     | VY023562.D     | 10/24/2025       |
| PR132-WC1-20251022 | Q3434-01         | VY023571.D     | 10/24/2025       |

COMMENTS: \_\_\_\_\_

\_\_\_\_\_



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: VV039281.D  
Instrument ID: MSVOA\_V  
GC Column: DB-624UI ID: 0.18 (mm)

Contract: AECO02  
SDG NO.: Q3434  
BFB Injection Date: 10/07/2025  
BFB Injection Time: 08:25  
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.7                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.3                  |
| 173 | Less than 2.0% of mass 174         | 1.6 ( 2 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 78.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.9 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 74.2 ( 95.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5 ( 6.7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VV039282.D  | 10/07/2025    | 09:40         |
| VSTDIC005 | VSTDIC005     | VV039283.D  | 10/07/2025    | 10:03         |
| VSTDIC010 | VSTDIC010     | VV039284.D  | 10/07/2025    | 10:25         |
| VSTDIC020 | VSTDIC020     | VV039285.D  | 10/07/2025    | 10:47         |
| VSTDIC050 | VSTDIC050     | VV039286.D  | 10/07/2025    | 11:10         |
| VSTDIC100 | VSTDIC100     | VV039287.D  | 10/07/2025    | 11:32         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VV039305.D

BFB Injection Date: 11/04/2025

Instrument ID: MSVOA\_V

BFB Injection Time: 10:24

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.5                 |
| 75  | 30.0 - 60.0% of mass 95            | 49.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1.2 ( 1.6 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 76.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 74 ( 97.2 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.7 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID            | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050           | VSTDCCC050    | VV039306.D  | 11/04/2025    | 11:21         |
| VV1104WBL01          | VV1104WBL01   | VV039308.D  | 11/04/2025    | 12:21         |
| VV1104WBS01          | VV1104WBS01   | VV039309.D  | 11/04/2025    | 12:49         |
| VV1104WBSD01         | VV1104WBSD01  | VV039310.D  | 11/04/2025    | 13:12         |
| PR132-WC2-20251022   | Q3434-02      | VV039311.D  | 11/04/2025    | 13:49         |
| TB                   | Q3434-03      | VV039312.D  | 11/04/2025    | 14:12         |
| PR132-WC2-20251022RE | Q3434-02RE    | VV039313.D  | 11/04/2025    | 14:34         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VY023383.D

BFB Injection Date: 10/07/2025

Instrument ID: MSVOA\_Y

BFB Injection Time: 08:43

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 0.9 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 99.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 7.3 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 95.4 ( 96.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6.3 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC005 | VSTDIC005     | VY023384.D  | 10/07/2025    | 09:17         |
| VSTDIC010 | VSTDIC010     | VY023385.D  | 10/07/2025    | 10:02         |
| VSTDIC020 | VSTDIC020     | VY023386.D  | 10/07/2025    | 11:24         |
| VSTDIC050 | VSTDIC050     | VY023387.D  | 10/07/2025    | 11:47         |
| VSTDIC100 | VSTDIC100     | VY023388.D  | 10/07/2025    | 12:09         |
| VSTDIC150 | VSTDIC150     | VY023389.D  | 10/07/2025    | 12:32         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VY023558.D

BFB Injection Date: 10/24/2025

Instrument ID: MSVOA\_Y

BFB Injection Time: 07:47

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 15.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 47.4                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1.1 ( 1.1 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 98.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 7.3 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 96.3 ( 98 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 6.4 ( 6.6 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID          | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050         | VSTDCCC050    | VY023559.D  | 10/24/2025    | 08:56         |
| VY1024SBL01        | VY1024SBL01   | VY023560.D  | 10/24/2025    | 09:24         |
| VY1024SBS01        | VY1024SBS01   | VY023561.D  | 10/24/2025    | 09:52         |
| VY1024SBSD01       | VY1024SBSD01  | VY023562.D  | 10/24/2025    | 10:14         |
| PR132-WC1-20251022 | Q3434-01      | VY023571.D  | 10/24/2025    | 14:28         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG NO.: Q3434  
 Lab File ID: VV039306.D Date Analyzed: 11/04/2025  
 Instrument ID: MSVOA\_V Time Analyzed: 11:21  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                      | IS1<br>AREA # | RT # | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|----------------------|---------------|------|---------------|-------|---------------|-------|
| 12 HOUR STD          | 637264        | 4.60 | 1024760       | 5.53  | 1022020       | 8.77  |
| UPPER LIMIT          | 1274530       | 5.1  | 2049510       | 6.032 | 2044030       | 9.273 |
| LOWER LIMIT          | 318632        | 4.1  | 512378        | 5.032 | 511008        | 8.273 |
| EPA SAMPLE NO.       |               |      |               |       |               |       |
| PR132-WC2-20251022   | 659851        | 4.60 | 1187277       | 5.53  | 1121779       | 8.77  |
| PR132-WC2-20251022RE | 632494        | 4.60 | 1126953       | 5.53  | 1080628       | 8.77  |
| TB                   | 659982        | 4.60 | 1223717       | 5.53  | 1158276       | 8.77  |
| VV1104WBL01          | 1064589       | 4.60 | 1972523       | 5.53  | 1793346       | 8.77  |
| VV1104WBS01          | 733220        | 4.60 | 1149929       | 5.53  | 1129519       | 8.77  |
| VV1104WBSD01         | 706395        | 4.60 | 1110419       | 5.53  | 1079972       | 8.77  |

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

|                |                   |                |                   |
|----------------|-------------------|----------------|-------------------|
| Lab Name:      | <u>Alliance</u>   | Contract:      | <u>AECO02</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q3434</u>      |
| Lab File ID:   | <u>VV039306.D</u> | Date Analyzed: | <u>11/04/2025</u> |
| Instrument ID: | <u>MSVOA_V</u>    | Time Analyzed: | <u>11:21</u>      |
| GC Column:     | <u>DB-624UI</u>   | ID:            | <u>0.18</u> (mm)  |
|                |                   | Heated Purge:  | (Y/N) <u>N</u>    |

|                      | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD          | 572200        | 11.172 |  |  |  |  |
| UPPER LIMIT          | 1144400       | 11.672 |  |  |  |  |
| LOWER LIMIT          | 286100        | 10.672 |  |  |  |  |
| EPA SAMPLE NO.       |               |        |  |  |  |  |
| PR132-WC2-20251022   | 499329        | 11.17  |  |  |  |  |
| PR132-WC2-20251022RE | 492663        | 11.17  |  |  |  |  |
| TB                   | 511635        | 11.17  |  |  |  |  |
| VV1104WBL01          | 828938        | 11.17  |  |  |  |  |
| VV1104WBS01          | 636116        | 11.17  |  |  |  |  |
| VV1104WBSD01         | 618050        | 11.17  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02  
 Lab Code: ACE SDG NO.: Q3434  
 Lab File ID: VY023559.D Date Analyzed: 10/24/2025  
 Instrument ID: MSVOA\_Y Time Analyzed: 08:56  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                    | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|--------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD        | 558901        | 7.71  | 809883        | 8.62  | 712621        | 11.41  |
| UPPER LIMIT        | 1117800       | 8.213 | 1619770       | 9.115 | 1425240       | 11.914 |
| LOWER LIMIT        | 279451        | 7.213 | 404942        | 8.115 | 356311        | 10.914 |
| EPA SAMPLE NO.     |               |       |               |       |               |        |
| PR132-WC1-20251022 | 800623        | 7.71  | 1311862       | 8.62  | 1147899       | 11.42  |
| VY1024SBL01        | 898566        | 7.71  | 1421897       | 8.62  | 1164716       | 11.41  |
| VY1024SBS01        | 551537        | 7.71  | 799010        | 8.62  | 709717        | 11.41  |
| VY1024SBSD01       | 536786        | 7.71  | 783587        | 8.62  | 686581        | 11.41  |

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

|                |                   |                |                   |
|----------------|-------------------|----------------|-------------------|
| Lab Name:      | <u>Alliance</u>   | Contract:      | <u>AECO02</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q3434</u>      |
| Lab File ID:   | <u>VY023559.D</u> | Date Analyzed: | <u>10/24/2025</u> |
| Instrument ID: | <u>MSVOA_Y</u>    | Time Analyzed: | <u>08:56</u>      |
| GC Column:     | <u>RXI-624</u>    | ID:            | <u>0.25</u> (mm)  |
|                |                   | Heated Purge:  | (Y/N) <u>Y</u>    |

|                    | IS4<br>AREA # | RT #   |  |  |  |  |
|--------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD        | 380279        | 13.346 |  |  |  |  |
| UPPER LIMIT        | 760558        | 13.846 |  |  |  |  |
| LOWER LIMIT        | 190140        | 12.846 |  |  |  |  |
| EPA SAMPLE NO.     |               |        |  |  |  |  |
| PR132-WC1-20251022 | 505336        | 13.35  |  |  |  |  |
| VY1024SBL01        | 469443        | 13.35  |  |  |  |  |
| VY1024SBS01        | 380713        | 13.35  |  |  |  |  |
| VY1024SBSD01       | 360721        | 13.35  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.





# QC SAMPLE DATA

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: VV1104WBL01  
Lab Sample ID: VV1104WBL01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 74-87-3        | Chloromethane                  | 1.00  | U    | 1  | 0.32  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-01-4        | Vinyl Chloride                 | 1.00  | U    | 1  | 0.26  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-00-3        | Chloroethane                   | 1.00  | U    | 1  | 0.47  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-69-4        | Trichlorofluoromethane         | 1.00  | U    | 1  | 0.33  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 67-64-1        | Acetone                        | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-15-0        | Carbon Disulfide               | 1.00  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 79-20-9        | Methyl Acetate                 | 1.00  | U    | 1  | 0.27  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-09-2        | Methylene Chloride             | 1.00  | U    | 1  | 0.28  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-34-3        | 1,1-Dichloroethane             | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 78-93-3        | 2-Butanone                     | 5.00  | U    | 1  | 0.98  | 5.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 56-23-5        | Carbon Tetrachloride           | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.00  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 74-97-5        | Bromochloromethane             | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 67-66-3        | Chloroform                     | 1.00  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.00  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 108-87-2       | Methylcyclohexane              | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 71-43-2        | Benzene                        | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 107-06-2       | 1,2-Dichloroethane             | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 79-01-6        | Trichloroethene                | 1.00  | U    | 1  | 0.090 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 78-87-5        | 1,2-Dichloropropane            | 1.00  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-27-4        | Bromodichloromethane           | 1.00  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 5.00  | U    | 1  | 0.68  | 5.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 108-88-3       | Toluene                        | 1.00  | U    | 1  | 0.14  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 1.00  | U    | 1  | 0.17  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 1.00  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 1.00  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 591-78-6       | 2-Hexanone                     | 5.00  | U    | 1  | 0.89  | 5.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 124-48-1       | Dibromochloromethane           | 1.00  | U    | 1  | 0.18  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 106-93-4       | 1,2-Dibromoethane              | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 127-18-4       | Tetrachloroethene              | 1.00  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 108-90-7       | Chlorobenzene                  | 1.00  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 100-41-4       | Ethyl Benzene                  | 1.00  | U    | 1  | 0.13  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 179601-23-1    | m/p-Xylenes                    | 2.00  | U    | 1  | 0.24  | 2.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 95-47-6        | o-Xylene                       | 1.00  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 100-42-5       | Styrene                        | 1.00  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 75-25-2        | Bromoform                      | 1.00  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VV1104WBL01                                      | SDG No.:        | Q3434         |
| Lab Sample ID:     | VV1104WBL01                                      | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 1.00  | U    | 1  | 0.12 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 1.00  | U    | 1  | 0.26 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 1.00  | U    | 1  | 0.16 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 1.00  | U    | 1  | 0.19 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 1.00  | U    | 1  | 0.16 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 1.00  | U    | 1  | 0.53 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 1.00  | U    | 1  | 0.20 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 1.00  | U    | 1  | 0.20 | 1.00       | ug/L  | 11/04/25 12:21 | VV110425 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 58.1 |  |  | 74 - 125 | 116% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.3 |  |  | 75 - 124 | 101% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 48.6 |  |  | 86 - 113 | 97%  | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 51.8 |  |  | 77 - 121 | 104% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 1060000    |
| 540-36-3           | 1,4-Difluorobenzene    | 1970000    |
| 3114-55-4          | Chlorobenzene-d5       | 1790000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 829000     |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: VY1024SBL01  
Lab Sample ID: VY1024SBL01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 g

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3434  
Matrix: SOIL  
% Solid: 100  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 74-87-3        | Chloromethane                  | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-01-4        | Vinyl Chloride                 | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 74-83-9        | Bromomethane                   | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-00-3        | Chloroethane                   | 5.00  | U    | 1  | 1.30 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | U    | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-35-4        | 1,1-Dichloroethene             | 5.00  | U    | 1  | 1.00 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 67-64-1        | Acetone                        | 25.0  | U    | 1  | 4.70 | 25.0       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-15-0        | Carbon Disulfide               | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | U    | 1  | 0.73 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 79-20-9        | Methyl Acetate                 | 5.00  | U    | 1  | 1.50 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-09-2        | Methylene Chloride             | 10.0  | U    | 1  | 3.50 | 10.0       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | U    | 1  | 0.86 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | U    | 1  | 0.80 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 110-82-7       | Cyclohexane                    | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 78-93-3        | 2-Butanone                     | 25.0  | U    | 1  | 6.50 | 25.0       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | U    | 1  | 0.97 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.00  | U    | 1  | 0.75 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 74-97-5        | Bromochloromethane             | 5.00  | U    | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 67-66-3        | Chloroform                     | 5.00  | U    | 1  | 0.84 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | U    | 1  | 0.93 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 108-87-2       | Methylcyclohexane              | 5.00  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 71-43-2        | Benzene                        | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 79-01-6        | Trichloroethene                | 5.00  | U    | 1  | 0.81 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-27-4        | Bromodichloromethane           | 5.00  | U    | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | U    | 1  | 3.60 | 25.0       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 108-88-3       | Toluene                        | 5.00  | U    | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 5.00  | U    | 1  | 0.65 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 5.00  | U    | 1  | 0.62 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 5.00  | U    | 1  | 0.92 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 591-78-6       | 2-Hexanone                     | 25.0  | U    | 1  | 3.70 | 25.0       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 124-48-1       | Dibromochloromethane           | 5.00  | U    | 1  | 0.87 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 106-93-4       | 1,2-Dibromoethane              | 5.00  | U    | 1  | 0.88 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 127-18-4       | Tetrachloroethene              | 5.00  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 108-90-7       | Chlorobenzene                  | 5.00  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 100-41-4       | Ethyl Benzene                  | 5.00  | U    | 1  | 0.67 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 179601-23-1    | m/p-Xylenes                    | 10.0  | U    | 1  | 1.20 | 10.0       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 95-47-6        | o-Xylene                       | 5.00  | U    | 1  | 0.82 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 100-42-5       | Styrene                        | 5.00  | U    | 1  | 0.71 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |
| 75-25-2        | Bromoform                      | 5.00  | U    | 1  | 0.86 | 5.00       | ug/Kg | 10/24/25 09:24 | VY102425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VY1024SBL01                                      | SDG No.:        | Q3434         |
| Lab Sample ID:     | VY1024SBL01                                      | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 g                                              | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 5.00              | U    | 1  | 0.78     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 5.00              | U    | 1  | 1.20     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 5.00              | U    | 1  | 1.70     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 5.00              | U    | 1  | 1.60     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 5.00              | U    | 1  | 1.50     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 5.00              | U    | 1  | 1.80     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.00              | U    | 1  | 3.00     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 5.00              | U    | 1  | 3.20     | 5.00       | ug/Kg   | 10/24/25 09:24 | VY102425 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 44.4              |      |    | 63 - 155 | 89%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 48.7              |      |    | 70 - 134 | 97%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 47.7              |      |    | 74 - 123 | 95%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 40.6              |      |    | 17 - 146 | 81%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 899000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 1420000           |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 1160000           |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 469000            |      |    |          |            |         |                |          |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: VV1104WBS01  
Lab Sample ID: VV1104WBS01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 16.2  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 74-87-3        | Chloromethane                  | 17.6  |      | 1  | 0.32  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-01-4        | Vinyl Chloride                 | 16.8  |      | 1  | 0.26  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 74-83-9        | Bromomethane                   | 18.8  |      | 1  | 1.40  | 5.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-00-3        | Chloroethane                   | 19.0  |      | 1  | 0.47  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-69-4        | Trichlorofluoromethane         | 17.4  |      | 1  | 0.33  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.1  |      | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-35-4        | 1,1-Dichloroethene             | 16.8  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 67-64-1        | Acetone                        | 78.3  |      | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-15-0        | Carbon Disulfide               | 17.3  |      | 1  | 0.21  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.5  |      | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 79-20-9        | Methyl Acetate                 | 14.2  |      | 1  | 0.27  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-09-2        | Methylene Chloride             | 19.1  |      | 1  | 0.28  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.4  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-34-3        | 1,1-Dichloroethane             | 17.4  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 110-82-7       | Cyclohexane                    | 18.3  |      | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 78-93-3        | 2-Butanone                     | 76.2  |      | 1  | 0.98  | 5.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 56-23-5        | Carbon Tetrachloride           | 18.3  |      | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.1  |      | 1  | 0.19  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 74-97-5        | Bromochloromethane             | 17.4  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 67-66-3        | Chloroform                     | 17.5  |      | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 17.8  |      | 1  | 0.20  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 108-87-2       | Methylcyclohexane              | 17.7  |      | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 71-43-2        | Benzene                        | 18.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 107-06-2       | 1,2-Dichloroethane             | 18.0  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 79-01-6        | Trichloroethene                | 18.6  |      | 1  | 0.090 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 78-87-5        | 1,2-Dichloropropane            | 19.5  |      | 1  | 0.20  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-27-4        | Bromodichloromethane           | 18.3  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 86.1  |      | 1  | 0.68  | 5.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 108-88-3       | Toluene                        | 19.7  |      | 1  | 0.14  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 18.8  |      | 1  | 0.17  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 19.4  |      | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 18.0  |      | 1  | 0.21  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 591-78-6       | 2-Hexanone                     | 83.8  |      | 1  | 0.89  | 5.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 124-48-1       | Dibromochloromethane           | 18.3  |      | 1  | 0.18  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 106-93-4       | 1,2-Dibromoethane              | 18.5  |      | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 127-18-4       | Tetrachloroethene              | 18.6  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 108-90-7       | Chlorobenzene                  | 18.3  |      | 1  | 0.12  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 100-41-4       | Ethyl Benzene                  | 18.7  |      | 1  | 0.13  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 179601-23-1    | m/p-Xylenes                    | 39.6  |      | 1  | 0.24  | 2.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 95-47-6        | o-Xylene                       | 18.7  |      | 1  | 0.12  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 100-42-5       | Styrene                        | 19.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 75-25-2        | Bromoform                      | 17.9  |      | 1  | 0.19  | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VV1104WBS01                                      | SDG No.:        | Q3434         |
| Lab Sample ID:     | VV1104WBS01                                      | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 19.2  |      | 1  | 0.12 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 16.2  |      | 1  | 0.26 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 18.7  |      | 1  | 0.16 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 17.9  |      | 1  | 0.19 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 18.1  |      | 1  | 0.16 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 14.9  |      | 1  | 0.53 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 17.9  |      | 1  | 0.20 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 17.3  |      | 1  | 0.20 | 1.00       | ug/L  | 11/04/25 12:49 | VV110425 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.1 |  |  | 74 - 125 | 98%  | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.1 |  |  | 75 - 124 | 100% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 52.5 |  |  | 86 - 113 | 105% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 53.7 |  |  | 77 - 121 | 107% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 733000     |
| 540-36-3           | 1,4-Difluorobenzene    | 1150000    |
| 3114-55-4          | Chlorobenzene-d5       | 1130000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 636000     |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: VY1024SBS01  
Lab Sample ID: VY1024SBS01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 g

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3434  
Matrix: SOIL  
% Solid: 100  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 18.6  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 74-87-3        | Chloromethane                  | 17.3  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-01-4        | Vinyl Chloride                 | 18.0  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 74-83-9        | Bromomethane                   | 20.6  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-00-3        | Chloroethane                   | 18.5  |      | 1  | 1.30 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-69-4        | Trichlorofluoromethane         | 19.0  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-35-4        | 1,1-Dichloroethene             | 19.8  |      | 1  | 1.00 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 67-64-1        | Acetone                        | 130   |      | 1  | 4.70 | 25.0       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-15-0        | Carbon Disulfide               | 18.4  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 20.0  |      | 1  | 0.73 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 79-20-9        | Methyl Acetate                 | 17.2  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-09-2        | Methylene Chloride             | 18.5  |      | 1  | 3.50 | 10.0       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.1  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-34-3        | 1,1-Dichloroethane             | 19.8  |      | 1  | 0.80 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 110-82-7       | Cyclohexane                    | 18.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 78-93-3        | 2-Butanone                     | 110   |      | 1  | 6.50 | 25.0       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 56-23-5        | Carbon Tetrachloride           | 20.6  |      | 1  | 0.97 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.9  |      | 1  | 0.75 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 74-97-5        | Bromochloromethane             | 18.9  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 67-66-3        | Chloroform                     | 20.4  |      | 1  | 0.84 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.5  |      | 1  | 0.93 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 108-87-2       | Methylcyclohexane              | 20.0  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 71-43-2        | Benzene                        | 20.7  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 107-06-2       | 1,2-Dichloroethane             | 19.6  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 79-01-6        | Trichloroethene                | 21.4  |      | 1  | 0.81 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 78-87-5        | 1,2-Dichloropropane            | 20.3  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-27-4        | Bromodichloromethane           | 20.8  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 96.4  |      | 1  | 3.60 | 25.0       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 108-88-3       | Toluene                        | 21.3  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 20.3  |      | 1  | 0.65 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.6  |      | 1  | 0.62 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.6  |      | 1  | 0.92 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 591-78-6       | 2-Hexanone                     | 110   |      | 1  | 3.70 | 25.0       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 124-48-1       | Dibromochloromethane           | 21.3  |      | 1  | 0.87 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 106-93-4       | 1,2-Dibromoethane              | 21.4  |      | 1  | 0.88 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 127-18-4       | Tetrachloroethene              | 20.6  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 108-90-7       | Chlorobenzene                  | 20.9  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 100-41-4       | Ethyl Benzene                  | 20.5  |      | 1  | 0.67 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 179601-23-1    | m/p-Xylenes                    | 42.3  |      | 1  | 1.20 | 10.0       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 95-47-6        | o-Xylene                       | 21.1  |      | 1  | 0.82 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 100-42-5       | Styrene                        | 20.9  |      | 1  | 0.71 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 75-25-2        | Bromoform                      | 20.9  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |



## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VY1024SBS01                                      | SDG No.:        | Q3434         |
| Lab Sample ID:     | VY1024SBS01                                      | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 g                                              | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 20.6  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 20.3  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 20.4  |      | 1  | 1.70 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 20.6  |      | 1  | 1.60 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 20.4  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 19.1  |      | 1  | 1.80 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 19.9  |      | 1  | 3.00 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 19.6  |      | 1  | 3.20 | 5.00       | ug/Kg | 10/24/25 09:52 | VY102425 |

### SURROGATES

|            |                       |      |  |  |          |     |         |
|------------|-----------------------|------|--|--|----------|-----|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.2 |  |  | 63 - 155 | 88% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 49.5 |  |  | 70 - 134 | 99% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 48.4 |  |  | 74 - 123 | 97% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 49.3 |  |  | 17 - 146 | 99% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 552000     |
| 540-36-3           | 1,4-Difluorobenzene    | 799000     |
| 3114-55-4          | Chlorobenzene-d5       | 710000     |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 381000     |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: VV1104WBSD01  
Lab Sample ID: VV1104WBSD01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3434  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 15.9  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 74-87-3        | Chloromethane                  | 17.6  |      | 1  | 0.32  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-01-4        | Vinyl Chloride                 | 16.7  |      | 1  | 0.26  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 74-83-9        | Bromomethane                   | 19.0  |      | 1  | 1.40  | 5.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-00-3        | Chloroethane                   | 18.6  |      | 1  | 0.47  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-69-4        | Trichlorofluoromethane         | 17.3  |      | 1  | 0.33  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 17.7  |      | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-35-4        | 1,1-Dichloroethene             | 16.5  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 67-64-1        | Acetone                        | 89.0  |      | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-15-0        | Carbon Disulfide               | 17.0  |      | 1  | 0.21  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 18.3  |      | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 79-20-9        | Methyl Acetate                 | 15.7  |      | 1  | 0.27  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-09-2        | Methylene Chloride             | 19.5  |      | 1  | 0.28  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.0  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-34-3        | 1,1-Dichloroethane             | 17.3  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 110-82-7       | Cyclohexane                    | 18.1  |      | 1  | 1.50  | 5.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 78-93-3        | 2-Butanone                     | 85.1  |      | 1  | 0.98  | 5.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 56-23-5        | Carbon Tetrachloride           | 18.5  |      | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.0  |      | 1  | 0.19  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 74-97-5        | Bromochloromethane             | 17.6  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 67-66-3        | Chloroform                     | 17.7  |      | 1  | 0.25  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 17.9  |      | 1  | 0.20  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 108-87-2       | Methylcyclohexane              | 17.9  |      | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 71-43-2        | Benzene                        | 18.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 107-06-2       | 1,2-Dichloroethane             | 18.2  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 79-01-6        | Trichloroethene                | 19.0  |      | 1  | 0.090 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 78-87-5        | 1,2-Dichloropropane            | 18.5  |      | 1  | 0.20  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-27-4        | Bromodichloromethane           | 18.5  |      | 1  | 0.22  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 93.4  |      | 1  | 0.68  | 5.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 108-88-3       | Toluene                        | 20.0  |      | 1  | 0.14  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.3  |      | 1  | 0.17  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 19.6  |      | 1  | 0.16  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 18.8  |      | 1  | 0.21  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 591-78-6       | 2-Hexanone                     | 91.1  |      | 1  | 0.89  | 5.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 124-48-1       | Dibromochloromethane           | 18.7  |      | 1  | 0.18  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 106-93-4       | 1,2-Dibromoethane              | 18.9  |      | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 127-18-4       | Tetrachloroethene              | 19.0  |      | 1  | 0.23  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 108-90-7       | Chlorobenzene                  | 18.7  |      | 1  | 0.12  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 100-41-4       | Ethyl Benzene                  | 19.0  |      | 1  | 0.13  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 179601-23-1    | m/p-Xylenes                    | 40.2  |      | 1  | 0.24  | 2.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 95-47-6        | o-Xylene                       | 19.3  |      | 1  | 0.12  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 100-42-5       | Styrene                        | 20.2  |      | 1  | 0.15  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 75-25-2        | Bromoform                      | 18.8  |      | 1  | 0.19  | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VV1104WBSD01                                     | SDG No.:        | Q3434         |
| Lab Sample ID:     | VV1104WBSD01                                     | Matrix:         | Water         |
| Analytical Method: | 8260D                                            | % Solid:        | 0             |
| Sample Wt/Vol:     | 5 mL                                             | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 19.3  |      | 1  | 0.12 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 16.6  |      | 1  | 0.26 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 19.1  |      | 1  | 0.16 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 18.0  |      | 1  | 0.19 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 18.1  |      | 1  | 0.16 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 15.9  |      | 1  | 0.53 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 18.1  |      | 1  | 0.20 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 18.0  |      | 1  | 0.20 | 1.00       | ug/L  | 11/04/25 13:12 | VV110425 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.2 |  |  | 74 - 125 | 100% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.2 |  |  | 75 - 124 | 100% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 52.5 |  |  | 86 - 113 | 105% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 53.5 |  |  | 77 - 121 | 107% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 706000     |
| 540-36-3           | 1,4-Difluorobenzene    | 1110000    |
| 3114-55-4          | Chlorobenzene-d5       | 1080000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 618000     |

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

## Report of Analysis

Client: AECOM  
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206  
Client Sample ID: VY1024SBSD01  
Lab Sample ID: VY1024SBSD01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 g

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3434  
Matrix: SOIL  
% Solid: 100  
Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 19.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 74-87-3        | Chloromethane                  | 17.9  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-01-4        | Vinyl Chloride                 | 18.8  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 74-83-9        | Bromomethane                   | 21.4  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-00-3        | Chloroethane                   | 19.6  |      | 1  | 1.30 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-69-4        | Trichlorofluoromethane         | 20.3  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 21.2  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-35-4        | 1,1-Dichloroethene             | 20.8  |      | 1  | 1.00 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 67-64-1        | Acetone                        | 130   |      | 1  | 4.70 | 25.0       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-15-0        | Carbon Disulfide               | 19.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.1  |      | 1  | 0.73 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 79-20-9        | Methyl Acetate                 | 17.5  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-09-2        | Methylene Chloride             | 19.3  |      | 1  | 3.50 | 10.0       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 156-60-5       | trans-1,2-Dichloroethene       | 21.1  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-34-3        | 1,1-Dichloroethane             | 20.6  |      | 1  | 0.80 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 110-82-7       | Cyclohexane                    | 19.2  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 78-93-3        | 2-Butanone                     | 120   |      | 1  | 6.50 | 25.0       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 56-23-5        | Carbon Tetrachloride           | 21.4  |      | 1  | 0.97 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 156-59-2       | cis-1,2-Dichloroethene         | 21.7  |      | 1  | 0.75 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 74-97-5        | Bromochloromethane             | 20.0  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 67-66-3        | Chloroform                     | 21.3  |      | 1  | 0.84 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 71-55-6        | 1,1,1-Trichloroethane          | 21.2  |      | 1  | 0.93 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 108-87-2       | Methylcyclohexane              | 20.7  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 71-43-2        | Benzene                        | 21.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 107-06-2       | 1,2-Dichloroethane             | 20.4  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 79-01-6        | Trichloroethene                | 21.9  |      | 1  | 0.81 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 78-87-5        | 1,2-Dichloropropane            | 21.0  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-27-4        | Bromodichloromethane           | 21.6  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 100   |      | 1  | 3.60 | 25.0       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 108-88-3       | Toluene                        | 21.9  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 10061-02-6     | t-1,3-Dichloropropene          | 21.3  |      | 1  | 0.65 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 21.8  |      | 1  | 0.62 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 79-00-5        | 1,1,2-Trichloroethane          | 23.0  |      | 1  | 0.92 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 591-78-6       | 2-Hexanone                     | 120   |      | 1  | 3.70 | 25.0       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 124-48-1       | Dibromochloromethane           | 22.7  |      | 1  | 0.87 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 106-93-4       | 1,2-Dibromoethane              | 22.5  |      | 1  | 0.88 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 127-18-4       | Tetrachloroethene              | 21.3  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 108-90-7       | Chlorobenzene                  | 21.9  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 100-41-4       | Ethyl Benzene                  | 21.5  |      | 1  | 0.67 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 179601-23-1    | m/p-Xylenes                    | 44.4  |      | 1  | 1.20 | 10.0       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 95-47-6        | o-Xylene                       | 22.0  |      | 1  | 0.82 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 100-42-5       | Styrene                        | 21.9  |      | 1  | 0.71 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 75-25-2        | Bromoform                      | 22.6  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |

## Report of Analysis

|                    |                                                  |                 |               |
|--------------------|--------------------------------------------------|-----------------|---------------|
| Client:            | AECOM                                            | Date Collected: |               |
| Project:           | AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 | Date Received:  |               |
| Client Sample ID:  | VY1024SBSD01                                     | SDG No.:        | Q3434         |
| Lab Sample ID:     | VY1024SBSD01                                     | Matrix:         | SOIL          |
| Analytical Method: | 8260D                                            | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 g                                              | Test:           | VOC-TCLVOA-10 |
|                    | Level: LOW                                       |                 |               |
|                    | Final Vol: 5000 uL                               |                 |               |

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 21.8  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 22.4  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 541-73-1   | 1,3-Dichlorobenzene         | 22.0  |      | 1  | 1.70 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 106-46-7   | 1,4-Dichlorobenzene         | 21.8  |      | 1  | 1.60 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 95-50-1    | 1,2-Dichlorobenzene         | 22.3  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 22.0  |      | 1  | 1.80 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 21.9  |      | 1  | 3.00 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 21.4  |      | 1  | 3.20 | 5.00       | ug/Kg | 10/24/25 10:14 | VY102425 |

### SURROGATES

|            |                       |      |  |  |          |     |         |
|------------|-----------------------|------|--|--|----------|-----|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.4 |  |  | 63 - 155 | 89% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 49.4 |  |  | 70 - 134 | 99% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 47.6 |  |  | 74 - 123 | 95% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 47.8 |  |  | 17 - 146 | 96% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 537000     |
| 540-36-3           | 1,4-Difluorobenzene    | 784000     |
| 3114-55-4          | Chlorobenzene-d5       | 687000     |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 361000     |

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



# CALIBRATION SUMMARY

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| Lab Name: <u>Alliance</u>                       | Contract: <u>AECO02</u>                                  |
| Lab Code: <u>ACE</u>                            | SDG No.: <u>Q3434</u>                                    |
| Instrument ID: <u>MSVOA_V</u>                   | Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) <u>N</u>                    | Calibration Time(s): <u>09:40</u> <u>11:32</u>           |
| GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm) |                                                          |

|                                |        |                     |        |                     |        |                     |       |       |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                   |        | RRF001 = VV039282.D |        | RRF005 = VV039283.D |        | RRF010 = VV039284.D |       |       |
|                                |        | RRF020 = VV039285.D |        | RRF050 = VV039286.D |        | RRF100 = VV039287.D |       |       |
| COMPOUND                       | RRF001 | RRF005              | RRF010 | RRF020              | RRF050 | RRF100              | RRF   | % RSD |
| Dichlorodifluoromethane        | 0.626  | 0.584               | 0.740  | 0.647               | 0.598  | 0.596               | 0.632 | 9.2   |
| Chloromethane                  | 0.732  | 0.659               | 0.754  | 0.629               | 0.588  | 0.586               | 0.658 | 10.8  |
| Vinyl Chloride                 | 0.863  | 0.761               | 0.827  | 0.720               | 0.666  | 0.666               | 0.751 | 11    |
| Bromomethane                   |        | 0.539               | 0.582  | 0.478               | 0.421  | 0.416               | 0.487 | 14.9  |
| Chloroethane                   | 0.693  | 0.540               | 0.519  | 0.470               | 0.419  | 0.403               | 0.507 | 20.9  |
| Trichlorofluoromethane         | 1.374  | 1.185               | 1.258  | 1.095               | 0.992  | 0.976               | 1.147 | 13.6  |
| 1,1,2-Trichlorotrifluoroethane | 0.800  | 0.726               | 0.754  | 0.655               | 0.597  | 0.588               | 0.687 | 12.7  |
| 1,1-Dichloroethene             | 0.846  | 0.713               | 0.711  | 0.637               | 0.569  | 0.570               | 0.674 | 15.6  |
| Acetone                        | 0.585  | 0.406               | 0.420  | 0.355               | 0.339  | 0.321               | 0.404 | 23.8  |
| Carbon Disulfide               | 2.560  | 1.934               | 2.027  | 1.751               | 1.589  | 1.565               | 1.904 | 19.4  |
| Methyl tert-butyl Ether        | 2.377  | 2.087               | 2.168  | 1.923               | 1.798  | 1.822               | 2.029 | 11    |
| Methyl Acetate                 | 1.062  | 0.818               | 1.044  | 0.928               | 0.828  | 0.843               | 0.921 | 11.9  |
| Methylene Chloride             | 1.144  | 0.831               | 0.798  | 0.715               | 0.627  | 0.616               | 0.788 | 24.7  |
| trans-1,2-Dichloroethene       | 0.929  | 0.742               | 0.755  | 0.654               | 0.592  | 0.587               | 0.710 | 18.1  |
| 1,1-Dichloroethane             | 1.599  | 1.384               | 1.378  | 1.195               | 1.092  | 1.066               | 1.286 | 15.9  |
| Cyclohexane                    |        | 0.999               | 1.004  | 0.908               | 0.872  | 0.899               | 0.936 | 6.5   |
| 2-Butanone                     | 0.431  | 0.404               | 0.467  | 0.442               | 0.427  | 0.435               | 0.434 | 4.7   |
| Carbon Tetrachloride           | 0.613  | 0.635               | 0.667  | 0.598               | 0.556  | 0.548               | 0.603 | 7.6   |
| cis-1,2-Dichloroethene         | 0.808  | 0.727               | 0.733  | 0.657               | 0.656  | 0.683               | 0.711 | 8.2   |
| Bromochloromethane             | 0.608  | 0.606               | 0.568  | 0.561               | 0.490  | 0.456               | 0.548 | 11.4  |
| Chloroform                     | 1.560  | 1.417               | 1.409  | 1.249               | 1.120  | 1.109               | 1.311 | 13.8  |
| 1,1,1-Trichloroethane          | 1.362  | 1.212               | 1.234  | 1.087               | 1.002  | 0.981               | 1.146 | 12.9  |
| Methylcyclohexane              | 0.575  | 0.501               | 0.565  | 0.537               | 0.588  | 0.628               | 0.566 | 7.7   |
| Benzene                        | 1.579  | 1.604               | 1.727  | 1.588               | 1.523  | 1.505               | 1.588 | 4.9   |
| 1,2-Dichloroethane             | 0.647  | 0.565               | 0.604  | 0.537               | 0.501  | 0.490               | 0.557 | 10.9  |
| Trichloroethene                | 0.424  | 0.398               | 0.425  | 0.395               | 0.377  | 0.377               | 0.399 | 5.3   |
| 1,2-Dichloropropane            | 0.405  | 0.354               | 0.419  | 0.385               | 0.381  | 0.374               | 0.386 | 5.9   |
| Bromodichloromethane           | 0.687  | 0.668               | 0.688  | 0.623               | 0.583  | 0.570               | 0.636 | 8.2   |
| 4-Methyl-2-Pentanone           | 0.435  | 0.470               | 0.598  | 0.567               | 0.544  | 0.543               | 0.526 | 11.6  |
| Toluene                        | 0.815  | 0.927               | 1.070  | 1.000               | 0.971  | 0.969               | 0.959 | 8.9   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| Lab Name: <u>Alliance</u>                       | Contract: <u>AECO02</u>                                  |
| Lab Code: <u>ACE</u>                            | SDG No.: <u>Q3434</u>                                    |
| Instrument ID: <u>MSVOA_V</u>                   | Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) <u>N</u>                    | Calibration Time(s): <u>09:40</u> <u>11:32</u>           |
| GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm) |                                                          |

| LAB FILE ID:                |        |        |                     |        |        |                     |       |       |
|-----------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF001 = VV039282.D         |        |        | RRF005 = VV039283.D |        |        | RRF010 = VV039284.D |       |       |
| RRF020 = VV039285.D         |        |        | RRF050 = VV039286.D |        |        | RRF100 = VV039287.D |       |       |
| COMPOUND                    | RRF001 | RRF005 | RRF010              | RRF020 | RRF050 | RRF100              | RRF   | % RSD |
| t-1,3-Dichloropropene       | 0.490  | 0.542  | 0.601               | 0.556  | 0.562  | 0.586               | 0.556 | 7     |
| cis-1,3-Dichloropropene     | 0.570  | 0.593  | 0.671               | 0.627  | 0.622  | 0.626               | 0.618 | 5.5   |
| 1,1,2-Trichloroethane       | 0.482  | 0.428  | 0.471               | 0.428  | 0.400  | 0.389               | 0.433 | 8.6   |
| 2-Hexanone                  | 0.318  | 0.322  | 0.427               | 0.425  | 0.414  | 0.411               | 0.386 | 13.4  |
| Dibromochloromethane        | 0.541  | 0.519  | 0.551               | 0.496  | 0.469  | 0.461               | 0.506 | 7.3   |
| 1,2-Dibromoethane           | 0.447  | 0.449  | 0.507               | 0.450  | 0.427  | 0.424               | 0.451 | 6.6   |
| Tetrachloroethene           | 0.390  | 0.361  | 0.378               | 0.370  | 0.344  | 0.346               | 0.365 | 4.9   |
| Chlorobenzene               | 1.250  | 1.185  | 1.276               | 1.145  | 1.116  | 1.130               | 1.184 | 5.6   |
| Ethyl Benzene               | 1.587  | 1.545  | 1.798               | 1.730  | 1.866  | 1.936               | 1.744 | 8.9   |
| m/p-Xylenes                 | 0.566  | 0.569  | 0.747               | 0.733  | 0.764  | 0.770               | 0.692 | 14    |
| o-Xylene                    | 0.523  | 0.514  | 0.618               | 0.610  | 0.682  | 0.719               | 0.611 | 13.5  |
| Styrene                     | 0.839  | 0.851  | 1.117               | 1.170  | 1.258  | 1.285               | 1.087 | 18.1  |
| Bromoform                   | 0.379  | 0.356  | 0.377               | 0.354  | 0.340  | 0.345               | 0.359 | 4.5   |
| Isopropylbenzene            | 2.745  | 2.655  | 3.119               | 3.050  | 3.242  | 3.406               | 3.036 | 9.5   |
| 1,1,2,2-Tetrachloroethane   | 1.854  | 1.451  | 1.444               | 1.260  | 1.180  | 1.177               | 1.394 | 18.4  |
| 1,3-Dichlorobenzene         | 1.658  | 1.624  | 1.817               | 1.650  | 1.612  | 1.628               | 1.665 | 4.6   |
| 1,4-Dichlorobenzene         | 2.208  | 1.889  | 1.962               | 1.769  | 1.693  | 1.659               | 1.863 | 11    |
| 1,2-Dichlorobenzene         | 1.765  | 1.522  | 1.652               | 1.498  | 1.516  | 1.549               | 1.584 | 6.6   |
| 1,2-Dibromo-3-Chloropropane | 0.373  | 0.287  | 0.288               | 0.258  | 0.249  | 0.265               | 0.287 | 15.7  |
| 1,2,4-Trichlorobenzene      | 0.880  | 0.774  | 0.880               | 0.839  | 0.926  | 1.000               | 0.883 | 8.7   |
| 1,2,3-Trichlorobenzene      | 0.919  | 0.792  | 0.929               | 0.883  | 0.956  | 1.028               | 0.918 | 8.5   |
| 1,2-Dichloroethane-d4       |        | 0.720  | 0.759               | 0.757  | 0.659  | 0.657               | 0.710 | 7.1   |
| Dibromofluoromethane        |        | 0.391  | 0.408               | 0.427  | 0.377  | 0.367               | 0.394 | 6     |
| Toluene-d8                  |        | 1.121  | 1.394               | 1.491  | 1.353  | 1.342               | 1.340 | 10.2  |
| 4-Bromofluorobenzene        |        | 0.396  | 0.473               | 0.519  | 0.498  | 0.500               | 0.477 | 10.1  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Lab Name: <u>Alliance</u>                      | Contract: <u>AECO02</u>                                  |
| Lab Code: <u>ACE</u>                           | SDG No.: <u>Q3434</u>                                    |
| Instrument ID: <u>MSVOA_Y</u>                  | Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) <u>Y</u>                   | Calibration Time(s): <u>09:17</u> <u>12:32</u>           |
| GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm) |                                                          |

| LAB FILE ID:                   |        | RRF005 = VY023384.D |        | RRF010 = VY023385.D |        | RRF020 = VY023386.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VY023387.D |        | RRF100 = VY023388.D |        | RRF150 = VY023389.D |       |       |  |
| COMPOUND                       | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.397  | 0.399               | 0.400  | 0.321               | 0.310  | 0.333               | 0.360 | 12    |  |
| Chloromethane                  | 0.518  | 0.557               | 0.512  | 0.449               | 0.438  | 0.467               | 0.490 | 9.4   |  |
| Vinyl Chloride                 | 0.660  | 0.684               | 0.659  | 0.598               | 0.597  | 0.633               | 0.639 | 5.6   |  |
| Bromomethane                   | 0.601  | 0.596               | 0.548  | 0.469               | 0.483  | 0.518               | 0.536 | 10.4  |  |
| Chloroethane                   | 0.441  | 0.462               | 0.453  | 0.414               | 0.413  | 0.429               | 0.435 | 4.7   |  |
| Trichlorofluoromethane         | 0.884  | 0.920               | 0.946  | 0.842               | 0.850  | 0.877               | 0.887 | 4.5   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.484  | 0.486               | 0.479  | 0.437               | 0.429  | 0.445               | 0.460 | 5.6   |  |
| 1,1-Dichloroethene             | 0.449  | 0.475               | 0.456  | 0.427               | 0.426  | 0.443               | 0.446 | 4.1   |  |
| Acetone                        | 0.128  | 0.117               | 0.094  | 0.084               | 0.085  | 0.089               | 0.100 | 18.7  |  |
| Carbon Disulfide               | 1.291  | 1.367               | 1.320  | 1.225               | 1.210  | 1.246               | 1.277 | 4.7   |  |
| Methyl tert-butyl Ether        | 1.006  | 1.075               | 1.075  | 1.020               | 1.091  | 1.165               | 1.072 | 5.3   |  |
| Methyl Acetate                 | 0.244  | 0.265               | 0.260  | 0.245               | 0.266  | 0.286               | 0.261 | 6     |  |
| Methylene Chloride             | 0.625  | 0.634               | 0.576  | 0.458               | 0.463  | 0.473               | 0.538 | 15.4  |  |
| trans-1,2-Dichloroethene       | 0.494  | 0.504               | 0.507  | 0.470               | 0.478  | 0.494               | 0.491 | 2.9   |  |
| 1,1-Dichloroethane             | 0.800  | 0.835               | 0.827  | 0.759               | 0.765  | 0.792               | 0.796 | 3.9   |  |
| Cyclohexane                    | 0.797  | 0.717               | 0.697  | 0.643               | 0.644  | 0.676               | 0.696 | 8.3   |  |
| 2-Butanone                     | 0.133  | 0.134               | 0.115  | 0.105               | 0.115  | 0.126               | 0.122 | 9.6   |  |
| Carbon Tetrachloride           | 0.483  | 0.501               | 0.504  | 0.481               | 0.487  | 0.503               | 0.493 | 2.1   |  |
| cis-1,2-Dichloroethene         | 0.542  | 0.584               | 0.582  | 0.542               | 0.563  | 0.591               | 0.567 | 3.8   |  |
| Bromochloromethane             | 0.332  | 0.323               | 0.320  | 0.267               | 0.270  | 0.273               | 0.297 | 10.2  |  |
| Chloroform                     | 0.886  | 0.912               | 0.901  | 0.835               | 0.842  | 0.874               | 0.875 | 3.5   |  |
| 1,1,1-Trichloroethane          | 0.808  | 0.814               | 0.822  | 0.767               | 0.764  | 0.796               | 0.795 | 3.1   |  |
| Methylcyclohexane              | 0.491  | 0.486               | 0.537  | 0.527               | 0.554  | 0.583               | 0.530 | 7     |  |
| Benzene                        | 1.253  | 1.302               | 1.322  | 1.259               | 1.281  | 1.312               | 1.288 | 2.2   |  |
| 1,2-Dichloroethane             | 0.328  | 0.346               | 0.343  | 0.315               | 0.324  | 0.338               | 0.332 | 3.6   |  |
| Trichloroethene                | 0.380  | 0.381               | 0.386  | 0.367               | 0.372  | 0.376               | 0.377 | 1.8   |  |
| 1,2-Dichloropropane            | 0.276  | 0.289               | 0.292  | 0.274               | 0.283  | 0.293               | 0.285 | 2.9   |  |
| Bromodichloromethane           | 0.440  | 0.463               | 0.459  | 0.439               | 0.449  | 0.468               | 0.453 | 2.7   |  |
| 4-Methyl-2-Pentanone           | 0.141  | 0.159               | 0.161  | 0.159               | 0.180  | 0.196               | 0.166 | 11.6  |  |
| Toluene                        | 0.777  | 0.818               | 0.855  | 0.827               | 0.855  | 0.885               | 0.836 | 4.5   |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Lab Name: <u>Alliance</u>                      | Contract: <u>AECO02</u>                                  |
| Lab Code: <u>ACE</u>                           | SDG No.: <u>Q3434</u>                                    |
| Instrument ID: <u>MSVOA_Y</u>                  | Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) <u>Y</u>                   | Calibration Time(s): <u>09:17</u> <u>12:32</u>           |
| GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm) |                                                          |

|                             |        |                     |        |                     |        |                     |       |       |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                |        | RRF005 = VY023384.D |        | RRF010 = VY023385.D |        | RRF020 = VY023386.D |       |       |
|                             |        | RRF050 = VY023387.D |        | RRF100 = VY023388.D |        | RRF150 = VY023389.D |       |       |
| COMPOUND                    | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |
| t-1,3-Dichloropropene       | 0.357  | 0.380               | 0.390  | 0.385               | 0.415  | 0.438               | 0.394 | 7.2   |
| cis-1,3-Dichloropropene     | 0.424  | 0.460               | 0.465  | 0.455               | 0.481  | 0.505               | 0.465 | 5.9   |
| 1,1,2-Trichloroethane       | 0.234  | 0.247               | 0.241  | 0.231               | 0.244  | 0.254               | 0.242 | 3.5   |
| 2-Hexanone                  | 0.108  | 0.117               | 0.110  | 0.112               | 0.126  | 0.138               | 0.119 | 9.9   |
| Dibromochloromethane        | 0.319  | 0.337               | 0.340  | 0.327               | 0.347  | 0.365               | 0.339 | 4.7   |
| 1,2-Dibromoethane           | 0.215  | 0.229               | 0.231  | 0.223               | 0.237  | 0.249               | 0.231 | 5.2   |
| Tetrachloroethene           | 0.538  | 0.517               | 0.561  | 0.523               | 0.502  | 0.456               | 0.516 | 6.9   |
| Chlorobenzene               | 1.086  | 1.095               | 1.092  | 1.053               | 1.083  | 1.116               | 1.087 | 1.9   |
| Ethyl Benzene               | 1.606  | 1.711               | 1.753  | 1.777               | 1.824  | 1.891               | 1.760 | 5.5   |
| m/p-Xylenes                 | 0.632  | 0.675               | 0.715  | 0.719               | 0.734  | 0.763               | 0.706 | 6.5   |
| o-Xylene                    | 0.588  | 0.623               | 0.653  | 0.670               | 0.701  | 0.738               | 0.662 | 8.1   |
| Styrene                     | 0.902  | 1.026               | 1.098  | 1.109               | 1.166  | 1.233               | 1.089 | 10.5  |
| Bromoform                   | 0.225  | 0.242               | 0.238  | 0.230               | 0.244  | 0.262               | 0.240 | 5.4   |
| Isopropylbenzene            | 2.967  | 3.153               | 3.353  | 3.317               | 3.425  | 3.555               | 3.295 | 6.3   |
| 1,1,2,2-Tetrachloroethane   | 0.530  | 0.548               | 0.502  | 0.499               | 0.543  | 0.611               | 0.539 | 7.6   |
| 1,3-Dichlorobenzene         | 1.667  | 1.698               | 1.718  | 1.657               | 1.701  | 1.794               | 1.706 | 2.9   |
| 1,4-Dichlorobenzene         | 1.703  | 1.703               | 1.694  | 1.624               | 1.653  | 1.732               | 1.685 | 2.3   |
| 1,2-Dichlorobenzene         | 1.485  | 1.498               | 1.511  | 1.446               | 1.490  | 1.543               | 1.496 | 2.1   |
| 1,2-Dibromo-3-Chloropropane | 0.087  | 0.093               | 0.083  | 0.083               | 0.088  | 0.096               | 0.088 | 6.2   |
| 1,2,4-Trichlorobenzene      | 0.846  | 0.867               | 0.901  | 0.918               | 1.007  | 1.054               | 0.932 | 8.7   |
| 1,2,3-Trichlorobenzene      | 0.719  | 0.753               | 0.795  | 0.793               | 0.866  | 0.920               | 0.808 | 9.1   |
| 1,2-Dichloroethane-d4       | 0.455  | 0.436               | 0.429  | 0.392               | 0.392  | 0.405               | 0.418 | 6.2   |
| Dibromofluoromethane        | 0.311  | 0.314               | 0.317  | 0.298               | 0.299  | 0.303               | 0.307 | 2.6   |
| Toluene-d8                  | 1.132  | 1.170               | 1.177  | 1.129               | 1.122  | 1.135               | 1.144 | 2     |
| 4-Bromofluorobenzene        | 0.401  | 0.370               | 0.373  | 0.365               | 0.372  | 0.386               | 0.378 | 3.5   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3434</u>                 |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>11/04/2025 11:21</u>      |
| Lab File ID:        | <u>VV039306.D</u> | Init. Calib. Date(s):  | <u>10/07/2025 10/07/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:40 11:32</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.632 | 0.498  |         | -21.2  | 20    |
| Chloromethane                  | 0.658 | 0.594  | 0.1     | -9.73  | 20    |
| Vinyl Chloride                 | 0.751 | 0.624  |         | -16.91 | 20    |
| Bromomethane                   | 0.487 | 0.490  |         | 0.62   | 20    |
| Chloroethane                   | 0.507 | 0.437  |         | -13.81 | 20    |
| Trichlorofluoromethane         | 1.147 | 0.984  |         | -14.21 | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.687 | 0.591  |         | -13.97 | 20    |
| 1,1-Dichloroethene             | 0.674 | 0.567  |         | -15.88 | 20    |
| Acetone                        | 0.404 | 0.369  |         | -8.66  | 20    |
| Carbon Disulfide               | 1.904 | 1.632  |         | -14.29 | 20    |
| Methyl tert-butyl Ether        | 2.029 | 2.267  |         | 11.73  | 20    |
| Methyl Acetate                 | 0.921 | 0.845  |         | -8.25  | 20    |
| Methylene Chloride             | 0.788 | 0.762  |         | -3.3   | 20    |
| trans-1,2-Dichloroethene       | 0.710 | 0.645  |         | -9.15  | 20    |
| 1,1-Dichloroethane             | 1.286 | 1.215  | 0.1     | -5.52  | 20    |
| Cyclohexane                    | 0.936 | 0.854  |         | -8.76  | 20    |
| 2-Butanone                     | 0.434 | 0.460  |         | 5.99   | 20    |
| Carbon Tetrachloride           | 0.603 | 0.558  |         | -7.46  | 20    |
| cis-1,2-Dichloroethene         | 0.711 | 0.763  |         | 7.31   | 20    |
| Bromochloromethane             | 0.548 | 0.607  |         | 10.77  | 20    |
| Chloroform                     | 1.311 | 1.296  |         | -1.14  | 20    |
| 1,1,1-Trichloroethane          | 1.146 | 1.034  |         | -9.77  | 20    |
| Methylcyclohexane              | 0.566 | 0.515  |         | -9.01  | 20    |
| Benzene                        | 1.588 | 1.614  |         | 1.64   | 20    |
| 1,2-Dichloroethane             | 0.557 | 0.580  |         | 4.13   | 20    |
| Trichloroethene                | 0.399 | 0.389  |         | -2.51  | 20    |
| 1,2-Dichloropropane            | 0.386 | 0.424  |         | 9.85   | 20    |
| Bromodichloromethane           | 0.636 | 0.666  |         | 4.72   | 20    |
| 4-Methyl-2-Pentanone           | 0.526 | 0.599  |         | 13.88  | 20    |
| Toluene                        | 0.959 | 1.020  |         | 6.36   | 20    |
| t-1,3-Dichloropropene          | 0.556 | 0.647  |         | 16.37  | 20    |
| cis-1,3-Dichloropropene        | 0.618 | 0.707  |         | 14.4   | 20    |
| 1,1,2-Trichloroethane          | 0.433 | 0.465  |         | 7.39   | 20    |
| 2-Hexanone                     | 0.386 | 0.441  |         | 14.25  | 20    |
| Dibromochloromethane           | 0.506 | 0.551  |         | 8.89   | 20    |
| 1,2-Dibromoethane              | 0.451 | 0.501  |         | 11.09  | 20    |
| Tetrachloroethene              | 0.365 | 0.343  |         | -6.03  | 20    |
| Chlorobenzene                  | 1.184 | 1.160  | 0.3     | -2.03  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3434</u>                        |
| Instrument ID:      | <u>MSVOA_V</u>    | Calibration Date/Time: | <u>11/04/2025</u> <u>11:21</u>      |
| Lab File ID:        | <u>VV039306.D</u> | Init. Calib. Date(s):  | <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>09:40</u> <u>11:32</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.744 | 1.818  |            | 4.24  | 20    |
| m/p-Xylenes                 | 0.692 | 0.759  |            | 9.68  | 20    |
| o-Xylene                    | 0.611 | 0.685  |            | 12.11 | 20    |
| Styrene                     | 1.087 | 1.291  |            | 18.77 | 20    |
| Bromoform                   | 0.359 | 0.392  | 0.1        | 9.19  | 20    |
| Isopropylbenzene            | 3.036 | 3.218  |            | 5.99  | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.394 | 1.328  | 0.3        | -4.74 | 20    |
| 1,3-Dichlorobenzene         | 1.665 | 1.693  |            | 1.68  | 20    |
| 1,4-Dichlorobenzene         | 1.863 | 1.758  |            | -5.64 | 20    |
| 1,2-Dichlorobenzene         | 1.584 | 1.613  |            | 1.83  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.287 | 0.266  |            | -7.32 | 20    |
| 1,2,4-Trichlorobenzene      | 0.883 | 0.929  |            | 5.21  | 20    |
| 1,2,3-Trichlorobenzene      | 0.918 | 0.977  |            | 6.43  | 20    |
| 1,2-Dichloroethane-d4       | 0.710 | 0.797  |            | 12.25 | 20    |
| Dibromofluoromethane        | 0.394 | 0.423  |            | 7.36  | 20    |
| Toluene-d8                  | 1.340 | 1.413  |            | 5.45  | 20    |
| 4-Bromofluorobenzene        | 0.477 | 0.528  |            | 10.69 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3434</u>                 |
| Instrument ID:      | <u>MSVOA_Y</u>    | Calibration Date/Time: | <u>10/24/2025 08:56</u>      |
| Lab File ID:        | <u>VY023559.D</u> | Init. Calib. Date(s):  | <u>10/07/2025 10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:17 12:32</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.360 | 0.296  |         | -17.78 | 20    |
| Chloromethane                  | 0.490 | 0.393  | 0.1     | -19.8  | 20    |
| Vinyl Chloride                 | 0.639 | 0.540  |         | -15.49 | 20    |
| Bromomethane                   | 0.536 | 0.487  |         | -9.14  | 20    |
| Chloroethane                   | 0.435 | 0.389  |         | -10.57 | 20    |
| Trichlorofluoromethane         | 0.887 | 0.844  |         | -4.85  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.460 | 0.472  |         | 2.61   | 20    |
| 1,1-Dichloroethene             | 0.446 | 0.451  |         | 1.12   | 20    |
| Acetone                        | 0.100 | 0.101  |         | 1      | 20    |
| Carbon Disulfide               | 1.277 | 1.159  |         | -9.24  | 20    |
| Methyl tert-butyl Ether        | 1.072 | 1.188  |         | 10.82  | 20    |
| Methyl Acetate                 | 0.261 | 0.280  |         | 7.28   | 20    |
| Methylene Chloride             | 0.538 | 0.506  |         | -5.95  | 20    |
| trans-1,2-Dichloroethene       | 0.491 | 0.511  |         | 4.07   | 20    |
| 1,1-Dichloroethane             | 0.796 | 0.814  | 0.1     | 2.26   | 20    |
| Cyclohexane                    | 0.696 | 0.644  |         | -7.47  | 20    |
| 2-Butanone                     | 0.122 | 0.124  |         | 1.64   | 20    |
| Carbon Tetrachloride           | 0.493 | 0.528  |         | 7.1    | 20    |
| cis-1,2-Dichloroethene         | 0.567 | 0.623  |         | 9.88   | 20    |
| Bromochloromethane             | 0.297 | 0.248  |         | -16.5  | 20    |
| Chloroform                     | 0.875 | 0.933  |         | 6.63   | 20    |
| 1,1,1-Trichloroethane          | 0.795 | 0.836  |         | 5.16   | 20    |
| Methylcyclohexane              | 0.530 | 0.561  |         | 5.85   | 20    |
| Benzene                        | 1.288 | 1.380  |         | 7.14   | 20    |
| 1,2-Dichloroethane             | 0.332 | 0.338  |         | 1.81   | 20    |
| Trichloroethene                | 0.377 | 0.413  |         | 9.55   | 20    |
| 1,2-Dichloropropane            | 0.285 | 0.304  |         | 6.67   | 20    |
| Bromodichloromethane           | 0.453 | 0.497  |         | 9.71   | 20    |
| 4-Methyl-2-Pentanone           | 0.166 | 0.181  |         | 9.04   | 20    |
| Toluene                        | 0.836 | 0.928  |         | 11.01  | 20    |
| t-1,3-Dichloropropene          | 0.394 | 0.436  |         | 10.66  | 20    |
| cis-1,3-Dichloropropene        | 0.465 | 0.520  |         | 11.83  | 20    |
| 1,1,2-Trichloroethane          | 0.242 | 0.275  |         | 13.64  | 20    |
| 2-Hexanone                     | 0.119 | 0.131  |         | 10.08  | 20    |
| Dibromochloromethane           | 0.339 | 0.389  |         | 14.75  | 20    |
| 1,2-Dibromoethane              | 0.231 | 0.263  |         | 13.85  | 20    |
| Tetrachloroethene              | 0.516 | 0.576  |         | 11.63  | 20    |
| Chlorobenzene                  | 1.087 | 1.224  | 0.3     | 12.6   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>AECO02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3434</u>                        |
| Instrument ID:      | <u>MSVOA_Y</u>    | Calibration Date/Time: | <u>10/24/2025</u> <u>08:56</u>      |
| Lab File ID:        | <u>VY023559.D</u> | Init. Calib. Date(s):  | <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:17</u> <u>12:32</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)                    |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|-----------------------------|-------|--------|------------|--------|-------|
| Ethyl Benzene               | 1.760 | 1.991  |            | 13.13  | 20    |
| m/p-Xylenes                 | 0.706 | 0.816  |            | 15.58  | 20    |
| o-Xylene                    | 0.662 | 0.779  |            | 17.67  | 20    |
| Styrene                     | 1.089 | 1.285  |            | 18     | 20    |
| Bromoform                   | 0.240 | 0.278  | 0.1        | 15.83  | 20    |
| Isopropylbenzene            | 3.295 | 3.754  |            | 13.93  | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.539 | 0.600  | 0.3        | 11.32  | 20    |
| 1,3-Dichlorobenzene         | 1.706 | 1.896  |            | 11.14  | 20    |
| 1,4-Dichlorobenzene         | 1.685 | 1.876  |            | 11.34  | 20    |
| 1,2-Dichlorobenzene         | 1.496 | 1.689  |            | 12.9   | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.088 | 0.093  |            | 5.68   | 20    |
| 1,2,4-Trichlorobenzene      | 0.932 | 1.065  |            | 14.27  | 20    |
| 1,2,3-Trichlorobenzene      | 0.808 | 0.912  |            | 12.87  | 20    |
| 1,2-Dichloroethane-d4       | 0.418 | 0.374  |            | -10.53 | 20    |
| Dibromofluoromethane        | 0.307 | 0.304  |            | -0.98  | 20    |
| Toluene-d8                  | 1.144 | 1.115  |            | -2.54  | 20    |
| 4-Bromofluorobenzene        | 0.378 | 0.376  |            | -0.53  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.