

## LAB CHRONICLE

|                 |              |                   |                                 |
|-----------------|--------------|-------------------|---------------------------------|
| <b>OrderID:</b> | Q3155        | <b>OrderDate:</b> | 9/19/2025 1:05:00 PM            |
| <b>Client:</b>  | Kleinfelder  | <b>Project:</b>   | Tanner G. Duckrey Public School |
| <b>Contact:</b> | Mark Warchol | <b>Location:</b>  | D41,VOA Ref. #2 Soil            |

| LabID           | ClientID      | Matrix       | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|---------------|--------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q3155-01</b> | <b>COMP-1</b> | <b>SOIL</b>  | VOCMS Group1  | 8260D  | <b>09/18/25</b> |           | 09/19/25  | <b>09/19/25</b> |
| <b>Q3155-02</b> | <b>COMP-2</b> | <b>SOIL</b>  | VOCMS Group1  | 8260D  | <b>09/18/25</b> |           | 09/19/25  | <b>09/19/25</b> |
| <b>Q3155-03</b> | <b>COMP-3</b> | <b>SOIL</b>  | VOCMS Group1  | 8260D  | <b>09/18/25</b> |           | 09/19/25  | <b>09/19/25</b> |
| <b>Q3155-04</b> | <b>TB</b>     | <b>Water</b> | VOC-TCLVOA-10 | 8260D  | <b>09/18/25</b> |           | 09/24/25  | <b>09/19/25</b> |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

Hit Summary Sheet  
SW-846

SDG No.: Q3155  
Client: Kleinfelder

| Sample ID            | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|----------------------|-----------|--------|-----------|---------------|---|-----|-----|-------|
| Client ID:           |           |        |           | 0             |   |     |     |       |
| Total Voc :          |           |        |           |               |   |     |     |       |
| Total Concentration: |           |        |           |               |   |     |     |       |



# SAMPLE DATA

## Report of Analysis

|                    |                                   |                 |                      |
|--------------------|-----------------------------------|-----------------|----------------------|
| Client:            | Kleinfelder                       | Date Collected: | 09/18/25             |
| Project:           | Tanner G. Duckrey Public School   | Date Received:  | 09/19/25             |
| Client Sample ID:  | COMP-1                            | SDG No.:        | Q3155                |
| Lab Sample ID:     | Q3155-01                          | Matrix:         | SOIL                 |
| Analytical Method: | 8260D                             | % Solid:        | 87.8                 |
| Sample Wt/Vol:     | 4.93      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOCMS Group1         |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032213.D        | 1         | 09/19/25 14:21 | VW091925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |          |            |                   |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.87   | U         | 0.87     | 5.80       | ug/Kg             |
| 71-55-6                   | 1,1,1-Trichloroethane  | 1.10   | U         | 1.10     | 5.80       | ug/Kg             |
| 71-43-2                   | Benzene                | 0.91   | U         | 0.91     | 5.80       | ug/Kg             |
| 79-01-6                   | Trichloroethene        | 0.94   | U         | 0.94     | 5.80       | ug/Kg             |
| 108-88-3                  | Toluene                | 0.90   | U         | 0.90     | 5.80       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene          | 0.77   | U         | 0.77     | 5.80       | ug/Kg             |
| 1330-20-7                 | Total Xylenes          | 2.35   | U         | 2.35     | 17.4       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene       | 0.90   | U         | 0.90     | 5.80       | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 52.7   |           | 63 - 155 | 105%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane   | 45.1   |           | 70 - 134 | 90%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8             | 42.3   |           | 74 - 123 | 85%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene   | 48.0   |           | 17 - 146 | 96%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene     | 177000 | 7.965     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene    | 381000 | 8.855     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5       | 369000 | 11.629    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 191000 | 13.556    |          |            |                   |

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:            | Kleinfelder                       | Date Collected: | 09/18/25             |
| Project:           | Tanner G. Duckrey Public School   | Date Received:  | 09/19/25             |
| Client Sample ID:  | COMP-2                            | SDG No.:        | Q3155                |
| Lab Sample ID:     | Q3155-02                          | Matrix:         | SOIL                 |
| Analytical Method: | 8260D                             | % Solid:        | 91.1                 |
| Sample Wt/Vol:     | 4.83      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOCMS Group1         |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032214.D        | 1         | 09/19/25 14:43 | VW091925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |          |            |                   |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.85   | U         | 0.85     | 5.70       | ug/Kg             |
| 71-55-6                   | 1,1,1-Trichloroethane  | 1.10   | U         | 1.10     | 5.70       | ug/Kg             |
| 71-43-2                   | Benzene                | 0.90   | U         | 0.90     | 5.70       | ug/Kg             |
| 79-01-6                   | Trichloroethene        | 0.92   | U         | 0.92     | 5.70       | ug/Kg             |
| 108-88-3                  | Toluene                | 0.89   | U         | 0.89     | 5.70       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene          | 0.76   | U         | 0.76     | 5.70       | ug/Kg             |
| 1330-20-7                 | Total Xylenes          | 2.33   | U         | 2.33     | 17.1       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene       | 0.89   | U         | 0.89     | 5.70       | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 55.0   |           | 63 - 155 | 110%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane   | 45.8   |           | 70 - 134 | 92%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8             | 42.5   |           | 74 - 123 | 85%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.0   |           | 17 - 146 | 98%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene     | 150000 | 7.965     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene    | 332000 | 8.855     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5       | 337000 | 11.629    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 170000 | 13.556    |          |            |                   |

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:            | Kleinfelder                       | Date Collected: | 09/18/25             |
| Project:           | Tanner G. Duckrey Public School   | Date Received:  | 09/19/25             |
| Client Sample ID:  | COMP-3                            | SDG No.:        | Q3155                |
| Lab Sample ID:     | Q3155-03                          | Matrix:         | SOIL                 |
| Analytical Method: | 8260D                             | % Solid:        | 91.8                 |
| Sample Wt/Vol:     | 5.09      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOCMS Group1         |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032215.D        | 1         | 09/19/25 15:05 | VW091925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |          |            |                   |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.80   | U         | 0.80     | 5.40       | ug/Kg             |
| 71-55-6                   | 1,1,1-Trichloroethane  | 1.00   | U         | 1.00     | 5.40       | ug/Kg             |
| 71-43-2                   | Benzene                | 0.85   | U         | 0.85     | 5.40       | ug/Kg             |
| 79-01-6                   | Trichloroethene        | 0.87   | U         | 0.87     | 5.40       | ug/Kg             |
| 108-88-3                  | Toluene                | 0.83   | U         | 0.83     | 5.40       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene          | 0.72   | U         | 0.72     | 5.40       | ug/Kg             |
| 1330-20-7                 | Total Xylenes          | 2.18   | U         | 2.18     | 16.1       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene       | 0.83   | U         | 0.83     | 5.40       | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 55.6   |           | 63 - 155 | 111%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane   | 46.9   |           | 70 - 134 | 94%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8             | 43.6   |           | 74 - 123 | 87%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene   | 48.8   |           | 17 - 146 | 98%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene     | 145000 | 7.959     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene    | 319000 | 8.855     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5       | 320000 | 11.629    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 158000 | 13.556    |          |            |                   |

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.: Q3155

Client: Kleinfelder

Analytical Method: SW8260D

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |              |                       |       |        |              |      | Low        | High |
| Q3155-01      | COMP-1       | 1,2-Dichloroethane-d4 | 50    | 52.7   | 105          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 45.1   | 90           |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 42.3   | 85           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 48.0   | 96           |      | 17         | 146  |
| Q3155-02      | COMP-2       | 1,2-Dichloroethane-d4 | 50    | 55.0   | 110          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 45.8   | 92           |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 42.5   | 85           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 49.0   | 98           |      | 17         | 146  |
| Q3155-03      | COMP-3       | 1,2-Dichloroethane-d4 | 50    | 55.6   | 111          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 46.9   | 94           |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 43.6   | 87           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 48.8   | 98           |      | 17         | 146  |
| VW0919SBL01   | VW0919SBL01  | 1,2-Dichloroethane-d4 | 50    | 58.7   | 117          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 48.5   | 97           |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 44.7   | 89           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 47.4   | 95           |      | 17         | 146  |
| VW0919SBS01   | VW0919SBS01  | 1,2-Dichloroethane-d4 | 50    | 52.9   | 106          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 52.9   | 106          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 52.6   | 105          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 50.3   | 101          |      | 17         | 146  |
| VW0919SBSD0   | VW0919SBSD01 | 1,2-Dichloroethane-d4 | 50    | 53.3   | 107          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 51.3   | 103          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 51.5   | 103          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 49.5   | 99           |      | 17         | 146  |

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

**SW-846**

|                 |                           |                           |                          |
|-----------------|---------------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3155</b></u>       | <b>Analytical Method:</b> | <u><b>SW8260D</b></u>    |
| <b>Client:</b>  | <u><b>Kleinfelder</b></u> | <b>Datafile :</b>         | <u><b>VW032206.D</b></u> |

| Lab Sample ID      | Parameter              | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits | RPD |
|--------------------|------------------------|-------|--------|-------|-----|-----|------|-----|--------|-----|
|                    |                        |       |        |       |     |     |      |     | High   |     |
| <b>VW0919SBS01</b> | cis-1,2-Dichloroethene | 20    | 20.2   | ug/Kg | 101 |     |      | 82  | 123    |     |
|                    | 1,1,1-Trichloroethane  | 20    | 21.2   | ug/Kg | 106 |     |      | 80  | 126    |     |
|                    | Benzene                | 20    | 21.4   | ug/Kg | 107 |     |      | 84  | 121    |     |
|                    | Trichloroethene        | 20    | 20.6   | ug/Kg | 103 |     |      | 83  | 122    |     |
|                    | Toluene                | 20    | 21.2   | ug/Kg | 106 |     |      | 83  | 122    |     |
|                    | Ethyl Benzene          | 20    | 20.6   | ug/Kg | 103 |     |      | 82  | 124    |     |
|                    | m/p-Xylenes            | 40    | 42.5   | ug/Kg | 106 |     |      | 83  | 124    |     |
|                    | o-Xylene               | 20    | 20.3   | ug/Kg | 102 |     |      | 83  | 123    |     |
|                    | Isopropylbenzene       | 20    | 20.1   | ug/Kg | 101 |     |      | 82  | 124    |     |

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

**SW-846**

|                 |                           |                           |                          |
|-----------------|---------------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3155</b></u>       | <b>Analytical Method:</b> | <u><b>SW8260D</b></u>    |
| <b>Client:</b>  | <u><b>Kleinfelder</b></u> | <b>Datafile :</b>         | <u><b>VW032207.D</b></u> |

| Lab Sample ID       | Parameter              | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits | RPD |
|---------------------|------------------------|-------|--------|-------|-----|-----|------|-----|--------|-----|
|                     |                        |       |        |       |     |     |      |     | High   |     |
| <b>VW0919SBSD01</b> | cis-1,2-Dichloroethene | 20    | 22.2   | ug/Kg | 111 | 9   |      | 82  | 123    | 20  |
|                     | 1,1,1-Trichloroethane  | 20    | 23.5   | ug/Kg | 117 | 10  |      | 80  | 126    | 20  |
|                     | Benzene                | 20    | 22.6   | ug/Kg | 113 | 5   |      | 84  | 121    | 20  |
|                     | Trichloroethene        | 20    | 22.3   | ug/Kg | 112 | 8   |      | 83  | 122    | 20  |
|                     | Toluene                | 20    | 21.9   | ug/Kg | 110 | 4   |      | 83  | 122    | 20  |
|                     | Ethyl Benzene          | 20    | 22.1   | ug/Kg | 111 | 7   |      | 82  | 124    | 20  |
|                     | m/p-Xylenes            | 40    | 45.3   | ug/Kg | 113 | 6   |      | 83  | 124    | 20  |
|                     | o-Xylene               | 20    | 21.7   | ug/Kg | 109 | 7   |      | 83  | 123    | 20  |
|                     | Isopropylbenzene       | 20    | 20.8   | ug/Kg | 104 | 3   |      | 82  | 124    | 20  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0919SBL01

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab File ID: VW032205.D

Lab Sample ID: VW0919SBL01

Date Analyzed: 09/19/2025

Time Analyzed: 10:08

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_W

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 |
|-------------------|------------------|----------------|------------------|
| VW0919SBS01       | VW0919SBS01      | VW032206.D     | 09/19/2025       |
| VW0919SBSD01      | VW0919SBSD01     | VW032207.D     | 09/19/2025       |
| COMP-1            | Q3155-01         | VW032213.D     | 09/19/2025       |
| COMP-2            | Q3155-02         | VW032214.D     | 09/19/2025       |
| COMP-3            | Q3155-03         | VW032215.D     | 09/19/2025       |

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

\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab File ID: VW032136.D

BFB Injection Date: 08/26/2025

Instrument ID: MSVOA\_W

BFB Injection Time: 08:38

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            | 20.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 55.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.8                  |
| 173 | Less than 2.0% of mass 174         | 0.0 ( 0.0 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 76.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.9 ( 7.7 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 73.7 ( 96.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.9 ( 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     | VW032137.D  | 08/26/2025    | 09:39         |
| VSTDIC010 | VSTDIC010     | VW032138.D  | 08/26/2025    | 10:23         |
| VSTDIC020 | VSTDIC020     | VW032139.D  | 08/26/2025    | 10:45         |
| VSTDIC100 | VSTDIC100     | VW032141.D  | 08/26/2025    | 11:29         |
| VSTDIC150 | VSTDIC150     | VW032142.D  | 08/26/2025    | 11:51         |
| VSTDIC050 | VSTDIC050     | VW032144.D  | 08/26/2025    | 12:34         |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab File ID: VW032203.D

BFB Injection Date: 09/19/2025

Instrument ID: MSVOA\_W

BFB Injection Time: 08:22

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            | 22.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.4                 |
| 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         | 0.0 ( 0.0 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 69.5                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.7 ( 8.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 67.9 ( 97.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 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    | VW032204.D  | 09/19/2025    | 09:38         |
| VW0919SBL01  | VW0919SBL01   | VW032205.D  | 09/19/2025    | 10:08         |
| VW0919SBS01  | VW0919SBS01   | VW032206.D  | 09/19/2025    | 10:35         |
| VW0919SBSD01 | VW0919SBSD01  | VW032207.D  | 09/19/2025    | 10:57         |
| COMP-1       | Q3155-01      | VW032213.D  | 09/19/2025    | 14:21         |
| COMP-2       | Q3155-02      | VW032214.D  | 09/19/2025    | 14:43         |
| COMP-3       | Q3155-03      | VW032215.D  | 09/19/2025    | 15:05         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

|                |                   |                |                   |
|----------------|-------------------|----------------|-------------------|
| Lab Name:      | <u>Alliance</u>   | Contract:      | <u>POWE02</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q3155</u>      |
| Lab File ID:   | <u>VW032204.D</u> | Date Analyzed: | <u>09/19/2025</u> |
| Instrument ID: | <u>MSVOA_W</u>    | Time Analyzed: | <u>09:38</u>      |
| GC Column:     | <u>RXI-624</u>    | ID:            | <u>0.25</u> (mm)  |
|                |                   | Heated Purge:  | (Y/N) <u>Y</u>    |

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 193605        | 7.95  | 337702        | 8.85  | 309889        | 11.63  |
| UPPER LIMIT    | 387210        | 8.453 | 675404        | 9.349 | 619778        | 12.129 |
| LOWER LIMIT    | 96802.5       | 7.453 | 168851        | 8.349 | 154945        | 11.129 |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| COMP-1         | 176619        | 7.97  | 381216        | 8.86  | 368580        | 11.63  |
| COMP-2         | 149567        | 7.97  | 332025        | 8.86  | 337360        | 11.63  |
| COMP-3         | 145040        | 7.96  | 318815        | 8.86  | 319906        | 11.63  |
| VW0919SBL01    | 128568        | 7.96  | 281974        | 8.85  | 287563        | 11.63  |
| VW0919SBS01    | 187746        | 7.96  | 322734        | 8.85  | 298059        | 11.63  |
| VW0919SBSD01   | 180121        | 7.96  | 317195        | 8.86  | 296209        | 11.64  |

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>POWE02</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q3155</u>      |
| Lab File ID:   | <u>VW032204.D</u> | Date Analyzed: | <u>09/19/2025</u> |
| Instrument ID: | <u>MSVOA_W</u>    | Time Analyzed: | <u>09:38</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    | 159183        | 13.556 |  |  |  |  |
| UPPER LIMIT    | 318366        | 14.056 |  |  |  |  |
| LOWER LIMIT    | 79591.5       | 13.056 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| COMP-1         | 190890        | 13.56  |  |  |  |  |
| COMP-2         | 169813        | 13.56  |  |  |  |  |
| COMP-3         | 158309        | 13.56  |  |  |  |  |
| VW0919SBL01    | 136277        | 13.56  |  |  |  |  |
| VW0919SBS01    | 153629        | 13.56  |  |  |  |  |
| VW0919SBSD01   | 152766        | 13.56  |  |  |  |  |

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:            | Kleinfelder                     | Date Collected: |              |
| Project:           | Tanner G. Duckrey Public School | Date Received:  |              |
| Client Sample ID:  | VW0919SBL01                     | SDG No.:        | Q3155        |
| Lab Sample ID:     | VW0919SBL01                     | Matrix:         | SOIL         |
| Analytical Method: | 8260D                           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5 Units: g                      | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                              | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624 ID : 0.25               | Level :         | LOW          |
| Prep Method :      |                                 |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032205.D        | 1         | 09/19/25 10:08 | VW091925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |          |            |                   |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.75   | U         | 0.75     | 5.00       | ug/Kg             |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.93   | U         | 0.93     | 5.00       | ug/Kg             |
| 71-43-2                   | Benzene                | 0.79   | U         | 0.79     | 5.00       | ug/Kg             |
| 79-01-6                   | Trichloroethene        | 0.81   | U         | 0.81     | 5.00       | ug/Kg             |
| 108-88-3                  | Toluene                | 0.78   | U         | 0.78     | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene          | 0.67   | U         | 0.67     | 5.00       | ug/Kg             |
| 1330-20-7                 | Total Xylenes          | 2.02   | U         | 2.02     | 15.0       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene       | 0.78   | U         | 0.78     | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 58.7   |           | 63 - 155 | 117%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane   | 48.5   |           | 70 - 134 | 97%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8             | 44.7   |           | 74 - 123 | 89%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene   | 47.4   |           | 17 - 146 | 95%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene     | 129000 | 7.959     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene    | 282000 | 8.849     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5       | 288000 | 11.629    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 136000 | 13.556    |          |            |                   |

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:            | Kleinfelder                     | Date Collected: |              |
| Project:           | Tanner G. Duckrey Public School | Date Received:  |              |
| Client Sample ID:  | VW0919SBS01                     | SDG No.:        | Q3155        |
| Lab Sample ID:     | VW0919SBS01                     | Matrix:         | SOIL         |
| Analytical Method: | 8260D                           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5 Units: g                      | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                              | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624 ID : 0.25               | Level :         | LOW          |
| Prep Method :      |                                 |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032206.D        | 1         | 09/19/25 10:35 | VW091925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |          |            |                   |
| 156-59-2                  | cis-1,2-Dichloroethene | 20.2   |           | 0.75     | 5.00       | ug/Kg             |
| 71-55-6                   | 1,1,1-Trichloroethane  | 21.2   |           | 0.93     | 5.00       | ug/Kg             |
| 71-43-2                   | Benzene                | 21.4   |           | 0.79     | 5.00       | ug/Kg             |
| 79-01-6                   | Trichloroethene        | 20.6   |           | 0.81     | 5.00       | ug/Kg             |
| 108-88-3                  | Toluene                | 21.2   |           | 0.78     | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene          | 20.6   |           | 0.67     | 5.00       | ug/Kg             |
| 1330-20-7                 | Total Xylenes          | 62.8   |           | 2.02     | 15.0       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene       | 20.1   |           | 0.78     | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 52.9   |           | 63 - 155 | 106%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane   | 52.9   |           | 70 - 134 | 106%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8             | 52.7   |           | 74 - 123 | 105%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.3   |           | 17 - 146 | 101%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene     | 188000 | 7.959     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene    | 323000 | 8.849     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5       | 298000 | 11.629    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 154000 | 13.556    |          |            |                   |

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:            | Kleinfelder                     | Date Collected: |              |
| Project:           | Tanner G. Duckrey Public School | Date Received:  |              |
| Client Sample ID:  | VW0919SBSD01                    | SDG No.:        | Q3155        |
| Lab Sample ID:     | VW0919SBSD01                    | Matrix:         | SOIL         |
| Analytical Method: | 8260D                           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5 Units: g                      | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                              | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624 ID : 0.25               | Level :         | LOW          |
| Prep Method :      |                                 |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032207.D        | 1         | 09/19/25 10:57 | VW091925      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |          |            |                   |
| 156-59-2                  | cis-1,2-Dichloroethene | 22.2   |           | 0.75     | 5.00       | ug/Kg             |
| 71-55-6                   | 1,1,1-Trichloroethane  | 23.5   |           | 0.93     | 5.00       | ug/Kg             |
| 71-43-2                   | Benzene                | 22.6   |           | 0.79     | 5.00       | ug/Kg             |
| 79-01-6                   | Trichloroethene        | 22.3   |           | 0.81     | 5.00       | ug/Kg             |
| 108-88-3                  | Toluene                | 21.9   |           | 0.78     | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene          | 22.1   |           | 0.67     | 5.00       | ug/Kg             |
| 1330-20-7                 | Total Xylenes          | 67.0   |           | 2.02     | 15.0       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene       | 20.8   |           | 0.78     | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 53.3   |           | 63 - 155 | 107%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane   | 51.3   |           | 70 - 134 | 103%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8             | 51.5   |           | 74 - 123 | 103%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.5   |           | 17 - 146 | 99%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                        |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene     | 180000 | 7.959     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene    | 317000 | 8.855     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5       | 296000 | 11.635    |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 153000 | 13.556    |          |            |                   |

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>POWE02</u>                                  |
| Lab Code: <u>ACE</u>                           | SDG No.: <u>Q3155</u>                                    |
| Instrument ID: <u>MSVOA_W</u>                  | Calibration Date(s): <u>08/26/2025</u> <u>08/26/2025</u> |
| Heated Purge: (Y/N) <u>Y</u>                   | Calibration Time(s): <u>09:39</u> <u>12:34</u>           |
| GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm) |                                                          |

|                        |        |                     |        |                     |        |                     |       |       |
|------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:           |        | RRF005 = VW032137.D |        | RRF010 = VW032138.D |        | RRF020 = VW032139.D |       |       |
|                        |        | RRF100 = VW032141.D |        | RRF150 = VW032142.D |        | RRF050 = VW032144.D |       |       |
| COMPOUND               | RRF005 | RRF010              | RRF020 | RRF100              | RRF150 | RRF050              | RRF   | % RSD |
| cis-1,2-Dichloroethene | 0.734  | 0.721               | 0.722  | 0.705               | 0.689  | 0.739               | 0.718 | 2.6   |
| 1,1,1-Trichloroethane  | 0.938  | 0.907               | 0.901  | 0.847               | 0.839  | 0.917               | 0.891 | 4.5   |
| Benzene                | 1.381  | 1.421               | 1.411  | 1.363               | 1.334  | 1.525               | 1.406 | 4.7   |
| Trichloroethene        | 0.350  | 0.359               | 0.352  | 0.343               | 0.343  | 0.374               | 0.354 | 3.3   |
| Toluene                | 0.890  | 0.920               | 0.912  | 0.902               | 0.879  | 1.010               | 0.919 | 5.1   |
| Ethyl Benzene          | 1.676  | 1.823               | 1.920  | 1.880               | 1.862  | 2.027               | 1.865 | 6.2   |
| m/p-Xylenes            | 0.627  | 0.700               | 0.751  | 0.730               | 0.699  | 0.798               | 0.718 | 8     |
| o-Xylene               | 0.581  | 0.659               | 0.695  | 0.688               | 0.699  | 0.752               | 0.679 | 8.4   |
| Isopropylbenzene       | 2.833  | 3.266               | 3.258  | 3.570               | 3.666  | 3.788               | 3.397 | 10.3  |
| 1,2-Dichloroethane-d4  | 0.752  | 0.715               | 0.723  | 0.690               | 0.713  | 0.697               | 0.715 | 3.1   |
| Dibromofluoromethane   | 0.367  | 0.350               | 0.347  | 0.335               | 0.346  | 0.360               | 0.351 | 3.2   |
| Toluene-d8             | 1.173  | 1.215               | 1.235  | 1.191               | 1.253  | 1.322               | 1.231 | 4.3   |
| 4-Bromofluorobenzene   | 0.448  | 0.431               | 0.450  | 0.447               | 0.468  | 0.489               | 0.455 | 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 CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>POWE02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3155</u>                        |
| Instrument ID:      | <u>MSVOA_W</u>    | Calibration Date/Time: | <u>09/19/2025</u> <u>09:38</u>      |
| Lab File ID:        | <u>VW032204.D</u> | Init. Calib. Date(s):  | <u>08/26/2025</u> <u>08/26/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:39</u> <u>12:34</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)                    |

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| cis-1,2-Dichloroethene | 0.718 | 0.725  |            | 0.98  | 20    |
| 1,1,1-Trichloroethane  | 0.891 | 0.911  |            | 2.24  | 20    |
| Benzene                | 1.406 | 1.384  |            | -1.57 | 20    |
| Trichloroethene        | 0.354 | 0.347  |            | -1.98 | 20    |
| Toluene                | 0.919 | 0.917  |            | -0.22 | 20    |
| Ethyl Benzene          | 1.865 | 1.878  |            | 0.7   | 20    |
| m/p-Xylenes            | 0.718 | 0.729  |            | 1.53  | 20    |
| o-Xylene               | 0.679 | 0.677  |            | -0.29 | 20    |
| Isopropylbenzene       | 3.397 | 3.509  |            | 3.3   | 20    |
| 1,2-Dichloroethane-d4  | 0.715 | 0.725  |            | 1.4   | 20    |
| Dibromofluoromethane   | 0.351 | 0.334  |            | -4.84 | 20    |
| Toluene-d8             | 1.231 | 1.189  |            | -3.41 | 20    |
| 4-Bromofluorobenzene   | 0.455 | 0.445  |            | -2.2  | 20    |

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