

# ALS Environmental

Date: 18-Mar-24

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 24021147

## Work Order Sample Summary

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| <u>Lab Samp ID</u> | <u>Client Sample ID</u>                    | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u>              |
|--------------------|--|---------------|-------------------|------------------------|----------------------|--------------------------|
| 24021147-01        | University and Guardian Dr.,<br>Urbana, IL | Air           |                   | 2/23/2024 22:07        | 2/28/2024 14:18      | <input type="checkbox"/> |

# ALS Environmental

Date: 18-Mar-24

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 24021147

**Sample ID:** University and Guardian Dr., Urbana, IL

**Lab ID:** 24021147-01

**Collection Date:** 2/23/2024 10:07 PM

**Matrix:** AIR

| Analyses                  | Result | Qual | Report Limit  | Units | Dilution Factor | Date Analyzed       |
|---------------------------|--------|------|---------------|-------|-----------------|---------------------|
| <b>TO-15 BY GC/MS</b>     |        |      | <b>ETO-15</b> |       |                 | Analyst: <b>EMC</b> |
| 1,1,1-Trichloroethane     | ND     |      | 2.73          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,1,2,2-Tetrachloroethane | ND     |      | 3.43          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,1,2-Trichloroethane     | ND     |      | 1.09          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,1-Dichloroethane        | ND     |      | 2.02          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,1-Dichloroethene        | ND     |      | 1.98          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,2,4-Trichlorobenzene    | ND     |      | 3.71          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,2,4-Trimethylbenzene    | ND     |      | 2.46          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,2-Dibromoethane         | ND     |      | 1.54          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,2-Dichlorobenzene       | ND     |      | 3.01          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,2-Dichloroethane        | ND     |      | 0.809         | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,2-Dichloropropane       | ND     |      | 2.31          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,3,5-Trimethylbenzene    | ND     |      | 2.46          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,3-Butadiene             | ND     |      | 0.442         | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,3-Dichlorobenzene       | ND     |      | 3.01          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,4-Dichlorobenzene       | ND     |      | 1.20          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 1,4-Dioxane               | ND     |      | 1.80          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 2-Butanone                | ND     |      | 2.95          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 2-Hexanone                | ND     |      | 4.10          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 2-Propanol                | ND     |      | 2.46          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 4-Ethyltoluene            | ND     |      | 2.46          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| 4-Methyl-2-pentanone      | ND     |      | 4.10          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Acetone                   | ND     |      | 2.38          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Benzene                   | ND     |      | 1.60          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Benzyl chloride           | ND     |      | 2.55          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Bromodichloromethane      | ND     |      | 1.34          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Bromoform                 | ND     |      | 5.17          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Bromomethane              | ND     |      | 1.94          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Carbon disulfide          | ND     |      | 1.56          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Carbon tetrachloride      | ND     |      | 3.15          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Chlorobenzene             | ND     |      | 2.30          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Chloroethane              | ND     |      | 1.32          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Chloroform                | ND     |      | 0.976         | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Chloromethane             | ND     |      | 1.03          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| cis-1,2-Dichloroethene    | ND     |      | 1.98          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| cis-1,3-Dichloropropene   | ND     |      | 2.27          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Cumene                    | ND     |      | 2.46          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Cyclohexane               | ND     |      | 1.72          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Dibromochloromethane      | ND     |      | 4.26          | µg/m3 | 1               | 3/4/2024 05:54 PM   |
| Dichlorodifluoromethane   | ND     |      | 2.47          | µg/m3 | 1               | 3/4/2024 05:54 PM   |

**Note:**

# ALS Environmental

Date: 18-Mar-24

**Client:**

**Project:** Spotlight Air Environmental  
**Sample ID:** University and Guardian Dr., Urbana, IL  
**Collection Date:** 2/23/2024 10:07 PM

**Work Order:** 24021147  
**Lab ID:** 24021147-01  
**Matrix:** AIR

| Analyses                  | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed     |
|---------------------------|--------|------|--------------|-------|-----------------|-------------------|
| Ethyl acetate             | ND     |      | 1.80         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Ethylbenzene              | ND     |      | 2.17         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Freon 113                 | ND     |      | 3.83         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Freon 114                 | ND     |      | 3.50         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Heptane                   | ND     |      | 2.05         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Hexachlorobutadiene       | ND     |      | 2.13         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Hexane                    | ND     |      | 1.76         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| m,p-Xylene                | ND     |      | 2.17         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Methylene chloride        | ND     |      | 7.00         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| MTBE                      | ND     |      | 1.80         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Naphthalene               | ND     |      | 1.05         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| o-Xylene                  | ND     |      | 2.17         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Propene                   | ND     |      | 0.861        | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Styrene                   | ND     |      | 2.13         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Tetrachloroethene         | ND     |      | 3.39         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Tetrahydrofuran           | ND     |      | 1.47         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Toluene                   | ND     |      | 1.88         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| trans-1,2-Dichloroethene  | ND     |      | 1.98         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| trans-1,3-Dichloropropene | ND     |      | 2.27         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Trichloroethene           | ND     |      | 1.07         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Trichlorofluoromethane    | ND     |      | 2.81         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Vinyl acetate             | ND     |      | 3.52         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Vinyl chloride            | ND     |      | 1.28         | µg/m3 | 1               | 3/4/2024 05:54 PM |
| Surr: Bromofluorobenzene  | 109    |      | 60-140       | %REC  | 1               | 3/4/2024 05:54 PM |

**Note:**

Batch ID: **R226878**      Instrument ID **VMS7**      Method: **ETO-15**

| MBLK                      |        | Sample ID: <b>BLK-R226878</b> |         |               | Units: <b>ppbv</b>    |               | Analysis Date: <b>3/4/2024 11:08 AM</b> |      |              |      |
|---------------------------|--------|-------------------------------|---------|---------------|-----------------------|---------------|---|------|--------------|------|
| Client ID:                |        | Run ID: <b>VMS7_240304A</b>   |         |               | SeqNo: <b>3316147</b> |               | Prep Date:                              |      | DF: <b>1</b> |      |
| Analyte                   | Result | PQL                           | SPK Val | SPK Ref Value | %REC                  | Control Limit | RPD Ref Value                           | %RPD | RPD Limit    | Qual |
| 1,1,1-Trichloroethane     | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,1,2,2-Tetrachloroethane | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,1,2-Trichloroethane     | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| 1,1-Dichloroethane        | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,1-Dichloroethene        | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,2,4-Trichlorobenzene    | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,2,4-Trimethylbenzene    | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,2-Dibromoethane         | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| 1,2-Dichlorobenzene       | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,2-Dichloroethane        | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| 1,2-Dichloropropane       | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,3,5-Trimethylbenzene    | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,3-Butadiene             | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| 1,3-Dichlorobenzene       | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 1,4-Dichlorobenzene       | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| 1,4-Dioxane               | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 2-Butanone                | ND     | 1.0                           |         |               |                       |               |   |      |              |      |
| 2-Hexanone                | ND     | 1.0                           |         |               |                       |               |   |      |              |      |
| 2-Propanol                | ND     | 1.0                           |         |               |                       |               |   |      |              |      |
| 4-Ethyltoluene            | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| 4-Methyl-2-pentanone      | ND     | 1.0                           |         |               |                       |               |   |      |              |      |
| Acetone                   | ND     | 1.0                           |         |               |                       |               |   |      |              |      |
| Benzene                   | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Benzyl chloride           | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Bromodichloromethane      | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| Bromoform                 | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Bromomethane              | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Carbon disulfide          | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Carbon tetrachloride      | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Chlorobenzene             | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Chloroethane              | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Chloroform                | ND     | 0.20                          |         |               |                       |               |   |      |              |      |
| Chloromethane             | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| cis-1,2-Dichloroethene    | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| cis-1,3-Dichloropropene   | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Cumene                    | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Cyclohexane               | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Dibromochloromethane      | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Dichlorodifluoromethane   | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Ethyl acetate             | ND     | 0.50                          |         |               |                       |               |   |      |              |      |
| Ethylbenzene              | ND     | 0.50                          |         |               |                       |               |   |      |              |      |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:**

# QC BATCH REPORT

**Work Order:** 24021147

**Project:** Spotlight Air Environmental

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|                                 |                           |                       |           |          |            |               |          |
|---------------------------------|---------------------------|-----------------------|-----------|----------|------------|---------------|----------|
| Batch ID: <b>R226878</b>        | Instrument ID <b>VMS7</b> | Method: <b>ETO-15</b> |           |          |            |               |          |
| Freon 113                       | ND                        | 0.50                  |           |          |            |               |          |
| Freon 114                       | ND                        | 0.50                  |           |          |            |               |          |
| Heptane                         | ND                        | 0.50                  |           |          |            |               |          |
| Hexachlorobutadiene             | ND                        | 0.20                  |           |          |            |               |          |
| Hexane                          | ND                        | 0.50                  |           |          |            |               |          |
| m,p-Xylene                      | ND                        | 0.50                  |           |          |            |               |          |
| Methylene chloride              | ND                        | 2.0                   |           |          |            |               |          |
| MTBE                            | ND                        | 0.50                  |           |          |            |               |          |
| Naphthalene                     | ND                        | 0.20                  |           |          |            |               |          |
| o-Xylene                        | ND                        | 0.50                  |           |          |            |               |          |
| Propene                         | ND                        | 0.50                  |           |          |            |               |          |
| Styrene                         | ND                        | 0.50                  |           |          |            |               |          |
| Tetrachloroethene               | ND                        | 0.50                  |           |          |            |               |          |
| Tetrahydrofuran                 | ND                        | 0.50                  |           |          |            |               |          |
| Toluene                         | ND                        | 0.50                  |           |          |            |               |          |
| trans-1,2-Dichloroethene        | ND                        | 0.50                  |           |          |            |               |          |
| trans-1,3-Dichloropropene       | ND                        | 0.50                  |           |          |            |               |          |
| Trichloroethene                 | ND                        | 0.20                  |           |          |            |               |          |
| Trichlorofluoromethane          | ND                        | 0.50                  |           |          |            |               |          |
| Vinyl acetate                   | ND                        | 1.0                   |           |          |            |               |          |
| Vinyl chloride                  | ND                        | 0.50                  |           |          |            |               |          |
| <i>Surr: Bromofluorobenzene</i> | <i>10.86</i>              | <i>0</i>              | <i>10</i> | <i>0</i> | <i>109</i> | <i>60-140</i> | <i>0</i> |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:**

**QC BATCH REPORT**

**Work Order:** 24021147

**Project:** Spotlight Air Environmental

Batch ID: **R226878**

Instrument ID **VMS7**

Method: **ETO-15**

| LCS                       |        | Sample ID: <b>LCS-R226878</b> |         |               |                       | Units: <b>ppbv</b> |               | Analysis Date: <b>3/4/2024 10:21 AM</b> |              |      |
|---------------------------|--------|-------------------------------|---------|---------------|-----------------------|--------------------|---------------|---|--------------|------|
| Client ID:                |        | Run ID: <b>VMS7_240304A</b>   |         |               | SeqNo: <b>3316146</b> |                    | Prep Date:    |   | DF: <b>1</b> |      |
| Analyte                   | Result | PQL                           | SPK Val | SPK Ref Value | %REC                  | Control Limit      | RPD Ref Value | %RPD                                    | RPD Limit    | Qual |
| 1,1,1-Trichloroethane     | 9.12   | 0.50                          | 10      | 0             | 91.2                  | 58.8-163           | 0             |   |              |      |
| 1,1,2,2-Tetrachloroethane | 10.3   | 0.50                          | 10      | 0             | 103                   | 60-140             | 0             |   |              |      |
| 1,1,2-Trichloroethane     | 10.41  | 0.20                          | 10      | 0             | 104                   | 60-140             | 0             |   |              |      |
| 1,1-Dichloroethane        | 9.06   | 0.50                          | 10      | 0             | 90.6                  | 60-140             | 0             |   |              |      |
| 1,1-Dichloroethene        | 8.86   | 0.50                          | 10      | 0             | 88.6                  | 60-140             | 0             |   |              |      |
| 1,2,4-Trichlorobenzene    | 9.16   | 0.50                          | 10      | 0             | 91.6                  | 49.3-150           | 0             |   |              |      |
| 1,2,4-Trimethylbenzene    | 9.39   | 0.50                          | 10      | 0             | 93.9                  | 50.1-162           | 0             |   |              |      |
| 1,2-Dibromoethane         | 11.46  | 0.20                          | 10      | 0             | 115                   | 60-140             | 0             |   |              |      |
| 1,2-Dichlorobenzene       | 8.88   | 0.50                          | 10      | 0             | 88.8                  | 41.9-141           | 0             |   |              |      |
| 1,2-Dichloroethane        | 8.98   | 0.20                          | 10      | 0             | 89.8                  | 60-140             | 0             |   |              |      |
| 1,2-Dichloropropane       | 9.79   | 0.50                          | 10      | 0             | 97.9                  | 60-140             | 0             |   |              |      |
| 1,3,5-Trimethylbenzene    | 9.1    | 0.50                          | 10      | 0             | 91                    | 60-140             | 0             |   |              |      |
| 1,3-Butadiene             | 9.89   | 0.20                          | 10      | 0             | 98.9                  | 50.6-140           | 0             |   |              |      |
| 1,3-Dichlorobenzene       | 8.71   | 0.50                          | 10      | 0             | 87.1                  | 60-140             | 0             |   |              |      |
| 1,4-Dichlorobenzene       | 8.58   | 0.20                          | 10      | 0             | 85.8                  | 55.1-145           | 0             |   |              |      |
| 1,4-Dioxane               | 9.02   | 0.50                          | 10      | 0             | 90.2                  | 60-140             | 0             |   |              |      |
| 2-Butanone                | 9.6    | 1.0                           | 10      | 0             | 96                    | 60-140             | 0             |   |              |      |
| 2-Hexanone                | 12.03  | 1.0                           | 10      | 0             | 120                   | 56.2-162           | 0             |   |              |      |
| 2-Propanol                | 9.72   | 1.0                           | 10      | 0             | 97.2                  | 60-140             | 0             |   |              |      |
| 4-Ethyltoluene            | 8.86   | 0.50                          | 10      | 0             | 88.6                  | 60-140             | 0             |   |              |      |
| 4-Methyl-2-pentanone      | 12.66  | 1.0                           | 10      | 0             | 127                   | 60-140             | 0             |   |              |      |
| Acetone                   | 9.22   | 1.0                           | 10      | 0             | 92.2                  | 60-140             | 0             |   |              |      |
| Benzene                   | 9.21   | 0.50                          | 10      | 0             | 92.1                  | 60-140             | 0             |   |              |      |
| Benzyl chloride           | 9.23   | 0.50                          | 10      | 0             | 92.3                  | 31.9-174           | 0             |   |              |      |
| Bromodichloromethane      | 10.46  | 0.20                          | 10      | 0             | 105                   | 60-140             | 0             |   |              |      |
| Bromoform                 | 10.52  | 0.50                          | 10      | 0             | 105                   | 60-140             | 0             |   |              |      |
| Bromomethane              | 9.9    | 0.50                          | 10      | 0             | 99                    | 60-140             | 0             |   |              |      |
| Carbon disulfide          | 9.16   | 0.50                          | 10      | 0             | 91.6                  | 60-140             | 0             |   |              |      |
| Carbon tetrachloride      | 9.73   | 0.50                          | 10      | 0             | 97.3                  | 60-140             | 0             |   |              |      |
| Chlorobenzene             | 8.88   | 0.50                          | 10      | 0             | 88.8                  | 60-140             | 0             |   |              |      |
| Chloroethane              | 9.8    | 0.50                          | 10      | 0             | 98                    | 60-140             | 0             |   |              |      |
| Chloroform                | 9      | 0.20                          | 10      | 0             | 90                    | 60-140             | 0             |   |              |      |
| Chloromethane             | 8.89   | 0.50                          | 10      | 0             | 88.9                  | 60-140             | 0             |   |              |      |
| cis-1,2-Dichloroethene    | 9.33   | 0.50                          | 10      | 0             | 93.3                  | 60-140             | 0             |   |              |      |
| cis-1,3-Dichloropropene   | 12.59  | 0.50                          | 10      | 0             | 126                   | 60-140             | 0             |   |              |      |
| Cumene                    | 8.39   | 0.50                          | 10      | 0             | 83.9                  | 60-140             | 0             |   |              |      |
| Cyclohexane               | 8.6    | 0.50                          | 10      | 0             | 86                    | 60-140             | 0             |   |              |      |
| Dibromochloromethane      | 11.41  | 0.50                          | 10      | 0             | 114                   | 60-140             | 0             |   |              |      |
| Dichlorodifluoromethane   | 9.48   | 0.50                          | 10      | 0             | 94.8                  | 60-140             | 0             |   |              |      |
| Ethyl acetate             | 9.34   | 0.50                          | 10      | 0             | 93.4                  | 60-140             | 0             |   |              |      |
| Ethylbenzene              | 8.43   | 0.50                          | 10      | 0             | 84.3                  | 60-140             | 0             |   |              |      |
| Freon 113                 | 9.12   | 0.50                          | 10      | 0             | 91.2                  | 60-140             | 0             |   |              |      |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client:

# QC BATCH REPORT

Work Order: 24021147

Project: Spotlight Air Environmental

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|                                 |                           |                       |           |          |             |               |          |  |
|---------------------------------|---------------------------|-----------------------|-----------|----------|-------------|---------------|----------|--|
| Batch ID: <b>R226878</b>        | Instrument ID <b>VMS7</b> | Method: <b>ETO-15</b> |           |          |             |               |          |  |
| Freon 114                       | 9.63                      | 0.50                  | 10        | 0        | 96.3        | 60-140        | 0        |  |
| Heptane                         | 10.01                     | 0.50                  | 10        | 0        | 100         | 60-140        | 0        |  |
| Hexachlorobutadiene             | 9.52                      | 0.20                  | 10        | 0        | 95.2        | 60-140        | 0        |  |
| Hexane                          | 9.26                      | 0.50                  | 10        | 0        | 92.6        | 60-140        | 0        |  |
| m,p-Xylene                      | 17.16                     | 0.50                  | 20        | 0        | 85.8        | 60-140        | 0        |  |
| Methylene chloride              | 9.25                      | 2.0                   | 10        | 0        | 92.5        | 60-140        | 0        |  |
| MTBE                            | 8.88                      | 0.50                  | 10        | 0        | 88.8        | 60.8-151      | 0        |  |
| Naphthalene                     | 9.44                      | 0.20                  | 10        | 0        | 94.4        | 53.1-152      | 0        |  |
| o-Xylene                        | 8.66                      | 0.50                  | 10        | 0        | 86.6        | 60-140        | 0        |  |
| Propene                         | 9.89                      | 0.50                  | 10        | 0        | 98.9        | 34.4-139      | 0        |  |
| Styrene                         | 11.1                      | 0.50                  | 10        | 0        | 111         | 60-140        | 0        |  |
| Tetrachloroethene               | 9.63                      | 0.50                  | 10        | 0        | 96.3        | 60-140        | 0        |  |
| Tetrahydrofuran                 | 9.73                      | 0.50                  | 10        | 0        | 97.3        | 60-140        | 0        |  |
| Toluene                         | 9.81                      | 0.50                  | 10        | 0        | 98.1        | 60-140        | 0        |  |
| trans-1,2-Dichloroethene        | 8.75                      | 0.50                  | 10        | 0        | 87.5        | 60-140        | 0        |  |
| trans-1,3-Dichloropropene       | 9.91                      | 0.50                  | 10        | 0        | 99.1        | 60-140        | 0        |  |
| Trichloroethene                 | 9.4                       | 0.20                  | 10        | 0        | 94          | 60-140        | 0        |  |
| Trichlorofluoromethane          | 9.39                      | 0.50                  | 10        | 0        | 93.9        | 60-140        | 0        |  |
| Vinyl acetate                   | 9.87                      | 1.0                   | 10        | 0        | 98.7        | 48.4-145      | 0        |  |
| Vinyl chloride                  | 9.54                      | 0.50                  | 10        | 0        | 95.4        | 60-140        | 0        |  |
| <i>Surr: Bromofluorobenzene</i> | <i>8.85</i>               | <i>0</i>              | <i>10</i> | <i>0</i> | <i>88.5</i> | <i>60-140</i> | <i>0</i> |  |

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The following samples were analyzed in this batch: 24021147-01a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

# ALS Environmental

Date: 18-Mar-24

**Client:**  
**Project:** Spotlight Air Environmental  
**WorkOrder:** 24021147

## QUALIFIERS, ACRONYMS, UNITS

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| <u>Qualifier</u> | <u>Description</u>  |
|------------------|---|
| *                | Value exceeds Regulatory Limit  |
| a                | Not accredited  |
| B                | Analyte detected in the associated Method Blank above the Reporting Limit |
| E                | Value above quantitation range  |
| H                | Analyzed outside of Holding Time  |
| J                | Analyte detected below quantitation limit                                 |
| n                | Not offered for accreditation   |
| ND               | Not Detected at the Reporting Limit                                       |
| O                | Sample amount is > 4 times amount spiked                                  |
| P                | Dual Column results percent difference > 40%                              |
| R                | RPD above laboratory control limit  |
| S                | Spike Recovery outside laboratory control limits                          |
| U                | Analyzed but not detected above the MDL                                   |

| <u>Acronym</u> | <u>Description</u>                  |
|----------------|-------------------------------------|
| DUP            | Method Duplicate                    |
| E              | EPA Method                          |
| LCS            | Laboratory Control Sample           |
| LCSD           | Laboratory Control Sample Duplicate |
| MBLK           | Method Blank                        |
| MDL            | Method Detection Limit              |
| MQL            | Method Quantitation Limit           |
| MS             | Matrix Spike                        |
| MSD            | Matrix Spike Duplicate              |
| PDS            | Post Digestion Spike                |
| PQL            | Practical Quantitation Limit        |
| SDL            | Sample Detection Limit              |
| SW             | SW-846 Method                       |

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|--------------------|
| µg/m <sup>3</sup>     |                    |
| ppbv                  |                    |



Sample Receipt Checklist

Client Name:

Date/Time Received: **28-Feb-24 14:18**

Work Order: **24021147**

Received by: **AB1**

Checklist completed by **Chantel.Allen**

28-Feb-24

Reviewed by: **Danielle Strasinger**

11-Mar-24

eSignature

Date

eSignature

Date

Matrices: Air

Carrier name: FedEx

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance? Yes  No

Sample(s) received on ice? Yes  No

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 2/28/2024 14:55

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by: -

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: