



June 16, 2022

Mike Gutteter  
Deep Water, LLC  
808 Main St W  
Ashland, Wisconsin 54806

RE: Limited Phase II Site Investigation Report  
802 Main St W  
Ashland, Wisconsin 54806

Dear Sir:

Lord and Winter, LLC (Lord and Winter) is pleased to report to Deep Water, LLC (Client) on the results of a Limited Phase II Site Investigation of 802 Main St W, Ashland, Wisconsin (Subject Property; Figure 1). The results of this report are the opinions of Lord and Winter and represent the opinions of one or more Lord and Winter professionals.

## INTRODUCTION

Site history and land use for the subject property are described below.

| Subject Property   | Specific Use Description    | Residential or Commercial? |
|--------------------|-----------------------------|----------------------------|
| Current Use        | Dry Cleaner Pickup Location | Commercial                 |
| Key Past Use       | Suspect Dry Cleaner         | Commercial                 |
| Future Planned Use | Unknown                     | Commercial                 |



Recognized Environmental Conditions (RECs) identified during a Phase I Environmental Site Assessment are summarized below. A complete description of adjacent property land use and previous property assessments may also be found in the Phase I Environmental Site Assessment dated February 4, 2022.

- REC 1: The City Directory Database Search found that the Subject Property was named One Hour Drycleaners from 1981-1987. Given the name, it is likely that halogenated solvents like tetrachloroethylene and trichloroethylene would have been used in normal operations during the first  $\pm 6$  years
- REC 2: A Firestone Warehouse was shown with gasoline tanks  $\pm 70$  ft E of the Subject Property. There are no records for these tanks, nor their closure. It is unknown if the Firestone Warehouse was used for auto repair. If the site was used for auto repair, petroleum products like greases, solvents, and oils would have been used in daily operations.
- REC 3: A Site Investigation undertaken at Anna Marie Designs was granted closure in 2003. Soil vapor standards were applied to remediation sites in 2013. Since closure happened in 2003, it is unlikely that soil vapor samples were collected.
- REC 4: The China Laundry only appears in the 1895 Fire Insurance Map (FIM)  $\pm 80$  ft N of the Subject Property downgradient. It is not present in the 1890, nor the 1901 FIM maps. This means that there is a  $\pm 9$ -year window for the China Laundry to have operated. It is likely that petroleum products like kerosene and benzene would have been used in normal operations.

The objectives of the Phase II Site Investigation are stated as questions and are listed below:

| Phase II SI Objective | Question To Be Addressed  |
|-----------------------|---|
| Objective 1           | Have RECs resulted in a hazardous substance release at the Subject Property?  |
| Objective 2           | If yes, has environmental media been impacted above screening levels that are set at concentrations protective of human health and the environment for <i>commercial property</i> land use? |



This report in part generally follows methods set in ASTM 1903-11, “Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. The following attachments are included as supporting documentation for the Phase II Site Investigation Report.

| Identifier   | Title                      |
|--------------|----------------------------|
| Attachment A | Tables                     |
| Attachment B | Figures                    |
| Attachment C | Soil Visual Observations   |
| Attachment D | Soil Vapor Collection Logs |
| Attachment E | Soil Analytical Results    |
| Attachment F | Soil Analytical Results    |

## BACKGROUND

The suspect source areas and the potential for migration are identified for each REC below.

- Source Areas – On site suspect dry cleaner PCE sources would be expected to be centered underneath dry cleaning equipment under the slab of the existing building and perhaps outside the back door of the facility if there was dumping of spent solvents. Off-site sources would be expected in an upgradient groundwater flow direction on the south side of the parcel.
- Potential for Migration – Off-site upgradient migration exists onto the parcel from the south. Off-site migration potential exists from on-site sources following topographic and presumed groundwater flow path to the north. Sampling to the north of suspect sources was hindered due to the building being constructed to the north parcel boundary and the scope of work which restricts sampling to onsite areas.

The Subject Property features, occupied structures and their foundations are described below.

| Features or Structure            | Foundation Type | Depth of Foundation                 |
|----------------------------------|-----------------|-------------------------------------|
| Commercial Structure<br>1,300 SF | Slab            | 4 to 6 inch thick slab; no basement |



Physical setting of the Subject Property is described below.

|                  |   |
|------------------|---|
| Regional Setting | Regional Setting  |
| Topography       | 648.57 FT MSL, sloped NNW   |
| Hydrology        | Lake Superior lies N of Site; Urban area with stormwater infrastructure |
| Geology          | Bayfield Group; Chequamegon Sandstone                                   |
| Hydrogeology     | NNW Presumed  |

### COMPLETED SAMPLING PLAN AND RATIONALE

The investigation of the Subject Property was completed by the following organizations.

| Role                            | Organization           | Address   | Scope of Work  |
|---------------------------------|------------------------|---|--|
| Environmental Consultant        | Lord and Winter, LLC   | 11 E Superior St<br>Suite 540<br>Duluth, MN 55802 | On-Site Sampling, Data Analysis, Soil Vapor Drilling and Sampling, Reporting |
| Drilling Subconsultant          | Twin Ports Testing     | 1301 N 3 <sup>rd</sup> St<br>Superior, WI 54880   | Soil Drilling  |
| Analytical Subconsultant        | Pace Labs              | 12065 Lebanon Road<br>Mount Juliet, TN 37122      | Analytical Testing   |
| Utility Clearance Subconsultant | Contracted Through TPT | Not Applicable                                    | Private Utility Clearance  |



Work on-site was completed on May 19, 2022. The completed scope of work for the Limited Phase II Site Investigation is described below. Sample locations are depicted in the attached figures in Attachment B and analytical results are included in tables in Attachment A.

| SAMPLE LOCATION | SAMPLING RATIONALE   | ENVIORNMENTAL MEDIA SAMPLED                       | ANALYTICAL TESTING  |
|-----------------|--|---|---|
| SV1             | Sub Slab Vapor Intrusion Assessment                                  | Soil Vapor  | VOCs  |
| B1              | On-Site Dry Cleaner Suspected Source – Nearest building as practical | Soil<br><br>Groundwater attempted but no recovery | VOCs by Method 8260B<br>PAHs by Method 8270C-SIM<br>RCRA Metals by Method 6010B/7471A |
| B2              | All Off-Site RECs  | Soil<br><br>Groundwater attempted but no recovery | VOCs by Method 8260B<br>PAHs by Method 8270C-SIM<br>RCRA Metals by Method 6010B/7471A |



## METHODS

Soil samples were collected using industry standard procedures. Soil visual observation logs are included in Attachment C.

| HANDLING                         | DESCRIPTION   |
|----------------------------------|---|
| Collection                       | Soil sampling was conducted with use of a truck mounted direct push drill rig equipped with a 2-inch diameter, 5-foot length stainless steel spoon and disposable acetate sleeves. Clean disposable acetate sleeves were used for each sampling interval. |
| Packaging, Custody, and Shipment | Samples were labeled, placed on ice, and shipped for overnight delivery to the analytical laboratory with a Chain Of Custody form completed and relinquished by the sampler.  |
| Testing                          | Samples were tested using standard US EPA Methods by the analytical laboratory.   |
| Completion                       | Boreholes were abandoned using bentonite chips, hydrated, and the cover replaced with asphalt or soil, as appropriate.  |

Soil Vapor Sampling Methods generally followed Wisconsin Administrative Code 716 and procedures identified in *Sub Slab Vapor Sampling Procedures*, RR 986 (July 2014). Soil Vapor Collection logs may be found in Attachment D.

| HANDLING                       | DESCRIPTION  |
|--------------------------------|--|
| Boring / Coring                | Soil vapor samples were collected sub slab in the closet of the commercial structure which is located in the general center area of the building. Soil vapor locations were advanced to 1-2 FT below slab                                    |
| Vapor Well Construction        | A screened stainless steel tip was exposed at the terminus of the boring and the hole sealed with hydrated bentonite. Tubing was inserted and the opening sealed.  |
| Purging and Collection         | The sample train was connected, the line purged using a syringe, and the samples gathered in a -30 mm Hgmm, 5 L, vacuum canister and collected until the soil gas entry resulted in reducing the canister vacuum to between -5 and -10 Hgmm. |
| Sampling Handling and Shipment | Samples were labeled with location identifier, beginning and end vacuum reading, and delivered to the analytical laboratory.   |
| Hole Completion                | Soil vapor locations were sealed following use with bentonite chips and cover replaced similar to original.  |



Temporary, PVC, 0.01 slotted groundwater monitoring wells were installed and allowed to recharge up to 2 hours. No recoverable groundwater was obtained from either B1 or B2.

Analytical testing methods of environmental media are described below.

| METHOD NAME     | ANALYTICAL METHOD USED | ENVIRONMENTAL MEDIA SAMPLED | LABORATORY |
|-----------------|------------------------|-----------------------------|------------|
| VOCs-Soil Vapor | TO-15                  | Soil Vapor                  | Pace Labs  |
| VOCs            | 8260B                  | Soil                        | Pace Labs  |
| Semi-VOCs       | 8270C                  | Soil                        | Pace Labs  |
| RCRA Metals     | 6010B/7471A            | Soil                        | Pace Labs  |

## QUALIFICATIONS

Work was completed by David Winter of and Jonathan Odekirk Lord and Winter, LLC. Winter holds a Master of Science in Geology and Geochemistry from Northern Illinois University, a Bachelor of Science Degree from the University of Wisconsin at Eau Claire and is a Certified Hazardous Material Manager (Certification Number 15329). Odekirk holds a Bachelor of Science Degree in Geology from the University of Wisconsin at Green Bay and a Master of Science in Geological and Geotechnical Engineering from the University of Wisconsin – Madison.

## RESULTS

Below is a discussion of the data collected in the investigation. Two bore holes were advanced; B1 and B2. Soil units encountered and their visual description are listed below.

- B1 – Surface cover (asphalt and sand) from 0-1 FT, followed by Lean Clay (CL) to 5 FT, underlain by massive fat clay (CH) from 5 to 20 FT bgs.
- B2 – Surface cover (asphalt with sand and gravel sub base) from surface to 2 FT; underlain by silt (ML) to 3 FT, underlain by massive fat clay (CL) to 20 FT bgs.

The fat clay was uniform and contained no sand stringers to 20 FT bgs.

A summary of anthropogenic impact observations are offered below.

- Field Screened Organic Vapors in Soil: In boring B1 organic vapor readings of soil samples were 28.6 ppm from 5-10 FT; 25.5 ppm from 10-15 FT; 1.1 ppm from 15-20 FT. Therefore,



organic vapor field screening suggests hydrocarbon between 5 and 15 FT bgs. No significant PID readings were observed in B2.

- Visual Observations: In B2 a 6" to 12" black fill layer occurred from 2 to 3 FT. There was no hydrocarbon odor or stain observed with it.

A summary of constituents detected above method reporting limits is listed below for each environmental media sampled.

| Environmental Media | Constituents Detected Above Reporting Limit   |
|---------------------|---|
| Soil Vapor          | Acetone, Benzene, Carbon Disulfide, Cyclohexane, 1,2-Dibromomethane, Ethanol, Ethylbenzene, Dichlorodifluoromethane, Heptane, N-Hexane, Methylene Chloride, 2-Butanone, 2-Propanol, Tetrachloroethene (PCE), Toluene, Trichloroethene (TCE), 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 2,2,4-Trimethylpentane, M&P-Xylene, O-Xylene |
| Soil                | Barium, Chromium, Lead, Acetone, Chloroform, Cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene   |
| Groundwater         | No recoverable groundwater was found; no analytical testing of groundwater  |

## INTERPRETATIONS

Analytical results of environmental media are compared in this report section along with applicable screening levels that are set by state and federal agencies to be protective of human health. A listing of screening levels that were compared with analytical data are provided below.





| MEDIA             | AGENCY | PROGRAM   | SCREENING LEVELS  |
|-------------------|--------|---|---|
| Soil              | US EPA | Regional Screening Levels   | 1E-06; HQ=0.1 and 1.0;<br>Commercial/Industrial                       |
|                   | WI DNR | Remediation and<br>Redevelopment  | Industrial<br>Generic RCLs (Current; 2018)<br>GW RCLs (Current; 2018) |
| Organic<br>Vapors | US EPA | EPA VISL Target Sub-Slab<br>Near Source Soil Gas<br>Concentration   | TCR=1E-06, THQ=0.1, Target<br>Commercial/Industrial                   |
|                   |        | State of Wisconsin RR0136,<br>Guidance: Wisconsin Vapor<br>Quick Look-Up Table Indoor<br>Air Vapor Action Levels and<br>Vapor Risk Screening Levels<br>(Feb 2022) | TCR=1E-05, THQ=1, Target<br>Commercial/Industrial                     |

Analytical testing results of sampled environmental media are compared with screening levels in the table below. Constituents detected that exceed screening levels are generally referred to as “Constituents of Concern, or COCs”. Below is a summary of analytes tested that fail to meet commercial/industrial RCLs (GW RCL):

| Media      | COC                             | Location |
|------------|---------------------------------|----------|
| Soil Vapor | 1,2-Dibromomethane <sup>1</sup> | SV1      |
|            | Tetrachloroethylene (PCE)       | SV1      |
| Soil       | Chloroform                      | B1-10-15 |
|            | Tetrachloroethene (PCE)         | B1-10-15 |
|            | Trichloroethene (TCE)           | B1-10-15 |

Release area and source area COCs are discussed below to offer an opinion on whether environmental media sampled indicate whether a release has occurred due to the REC.

<sup>1</sup> Detected less than reporting limit, but reporting limit is higher than the VISL Standard



| Release Area / Source Area  | Does Sampling Location Represent Highest Probability of Location?                                     | Was a Release or Source Area Confirmed by COC detections?  | Do COC detections exceed RCLs for Industrial Properties? |
|---|---|--|--|
| REC 1 –<br>Onsite Dry Cleaner   | B1: located within 15 Ft of suspected PERC Machine Location and within 10 FT of back door of facility | Yes; PCE and TCE were detected in soil vapor and soil.   | Yes, PCE and TCE exceed Soil – Protection of GW RCLs.    |
| REC 2 –<br>A Firestone Warehouse was shown with gasoline tanks ±70 ft E of Subject Property | B2: Located at upgradient side of Subject Property  | No, the COC consortium does not reflect a significant petroleum release at the Subject Property; though minor detections did occur | No   |
| REC 3 –<br>Remediation site at Anna Marie Designs   | B2: Located at Upgradient side of Subject Property  | No, COCs failing RCLs relate to dry cleaner operations not diesel or gasoline tanks.   | No   |
| REC 4 –<br>Downgradient Dry Cleaner   | B1: closed to downgradient facility but the on site source is closest to this boring                  | Unknown  | Unknown for this suspected source                        |

### COMPLETION STATUS OF OBJECTIVES

The following opinions are offered to address study objectives:

| Study Objective | Question To Be Addressed / Opinion Offered Based Upon Data   |
|-----------------|--|
| Objective 1     | Have RECs resulted in a release at the Subject Property?<br><br>Opinion: Yes, the onsite dry cleaner identified in the Phase I ESA Report is a suspect source for PCE and TCE at the Subject Property; PCE, TCE were found in soil vapor and soil. Twenty-one VOC constituents were detected in soil vapor. Six constituents related to the dry cleaner were detected in soil. |
| Objective 2     | If yes, has environmental media been impacted above screening levels that are set at concentrations protective of human health and the environment for commercial/industrial property land use?  |



| Study Objective | Question To Be Addressed /<br>Opinion Offered Based Upon Data  |
|-----------------|--|
|                 | Opinion: Yes, PCE, TCE, and Chloroform were found at concentrations in soil at concentrations exceeding the State of Wisconsin Residual Cleanup Level (RCL). |

A Conceptual Site Model (CSM) is a written or illustrated representation of the physical, chemical, and biological processes that control the transport, migration, and potential impacts of contamination to human and ecological receptors. Below is an outline of the Conceptual Site Model using data obtained from this investigation.

| Known and Potential Sources  | Impacted Media | Contaminants of Concern  | Exposure Route  | Receptors                       |                                 |
|--|----------------|--|---|---------------------------------|---------------------------------|
|  |                |  |   | Current                         | Future                          |
| Sources from On-Site Historical Auto Repair Operations and Off-site Lead Sources | Soil Vapor     | None exceeding State of Wisconsin VISL; but PCE and TCE are a concern likely requiring further investigation by State of Wisconsin | Inhalation via vapor intrusion if concentrations exceed standards | Commercial Workers              | Commercial Workers              |
|  | Soil           | PCE, TCE, Chloroform   | Ingestion of Groundwater  | None; municipal water available | None; municipal water available |
|  | Groundwater    | Unknown; groundwater not recoverable to 20 FT; the limits of this investigation  | Unknown   | Unknown                         | Unknown                         |



## CONCLUSIONS

Data collected from the Limited Phase II Site Investigation testing and analysis suggest the following conclusions:

| CONCLUSION NUMBER | CONCLUSION   |
|-------------------|--|
| 1                 | Data suggest that RECs identified at the Subject Property have resulted in a release to environmental media. Twenty-one VOC COCs were detected in soil vapor and six VOC constituents related to dry cleaner operations were detected in soil.   |
| 2                 | Data suggest that Constituents of Concern (COCs) present in environmental soil do not meet GW RCLs for commercial/industrial property. COCs failing commercial/industrial GW RCLs in soil are <b>PCE, TCE, and Chloroform</b> .  |
| 3                 | The soil results reported here provide evidence of a hazardous substance discharge that <u>by law needs to be reported to the State of Wisconsin – DNR</u> . The reporting requirement rests with the responsible party (i.e., the causer and/or party that owns the property where the discharge occurred). A link for reporting the release is offered here: <a href="https://dnr.wisconsin.gov/topic/Brownfields/Submittal.html">https://dnr.wisconsin.gov/topic/Brownfields/Submittal.html</a> |

## LIMITATIONS AND DISCLAIMER

Lord and Winter includes the following limitations and disclaimer for this report.

| LIMITATION OR DISCLAIMER | DESCRIPTION   |
|--------------------------|---|
| Third Party Use          | Third party use of this report is not authorized.   |
| Location Specific        | Sample and observation data from this report are location based and may or may not represent the entire site; sampling the entire site would include a more comprehensive sampling plan and increased budget that was not authorized by the Client. |
| Opinions                 | The statements, interpretations, and conclusions of this report are the opinions of Lord and Winter and one or more of its staff.   |
| Agency Concurrence       | Only local, state, and federal agencies can offer regulatory compliance status and therefore the Client is encouraged to confirm opinions found in this report with local, state, or federal agencies as appropriate.                               |
| Limitations              | This report is subject to all the limitations, terms, and conditions set forth between the Client and Lord and Winter in the signed proposal.   |



Thank you for the opportunity to work with you. Please feel free to contact us with any questions.

Sincerely,  
Lord and Winter

A handwritten signature in black ink, appearing to read "David J. Winter". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

David J. Winter, PMP CHMM  
President



## **ATTACHMENT A - TABLES**

| Client Sample ID |                             |       |   | SV1  |        |           |
|------------------|-----------------------------|-------|---|--|--------|-----------|
| Date Collected   |                             |       |   | 05/19/2022   |        |           |
| Method           | Analyte                     | Units | VISL Comm Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) (May 2019) | Guidance: Wisconsin Vapor Quick Look-Up Table (Commerical-Small; 1E-05 THQ=1) Vapor Risk Screening Levels (Feb 2022) | Result | Qualifier |
| TO-15            | ACETONE                     | ug/m3 | 451000  |  | 333    |           |
| TO-15            | BENZENE                     | ug/m3 | 52  | 520  | 3.87   |           |
| TO-15            | CARBON DISULFIDE            | ug/m3 | 10200   |  | 7.97   |           |
| TO-15            | CYCLOHEXANE                 | ug/m3 | 87600   |  | 5.17   |           |
| TO-15            | 1,2-DIBROMOETHANE           | ug/m3 | 1   |  | <1.85  |           |
| TO-15            | ETHANOL                     | ug/m3 |   |  | 34.3   |           |
| TO-15            | ETHYLBENZENE                | ug/m3 | 164   | 1600   | 3.03   |           |
| TO-15            | DICHLORODIFLUOROMETHANE     | ug/m3 | 1460  | 15000  | 2.26   |           |
| TO-15            | HEPTANE                     | ug/m3 | 5840  |  | 4.95   |           |
| TO-15            | N-HEXANE                    | ug/m3 | 10200   |  | 9.84   |           |
| TO-15            | METHYLENE CHLORIDE          | ug/m3 | 8760  | 88000  | 4.76   |           |
| TO-15            | 2-BUTANONE (MEK)            | ug/m3 | 73000   |  | 13.2   |           |
| TO-15            | 4-METHYL-2-PENTANONE (MIBK) | ug/m3 | 43800   |  | 2.69   |           |
| TO-15            | 2-PROPANOL                  | ug/m3 | 2920  |  | 1230   |           |
| TO-15            | TETRACHLOROETHENE (PCE)     | ug/m3 | 584   | 5800   | 747    |           |
| TO-15            | TOLUENE                     | ug/m3 | 73000   |  | 12.5   |           |
| TO-15            | TRICHLOROETHENE (TCE)       | ug/m3 | 29  | 290  | <1.22  |           |
| TO-15            | 1,2,4-TRIMETHYLBENZENE      | ug/m3 | 876   |  | 4.01   |           |
| TO-15            | 1,3,5-TRIMETHYLBENZENE      | ug/m3 | 876   |  | 1.56   |           |
| TO-15            | 2,2,4-TRIMETHYLPENTANE      | ug/m3 |   |  | 8.97   |           |
| TO-15            | M&P-XYLENE                  | ug/m3 | 1460  | 15000  | 11     |           |
| TO-15            | O-XYLENE                    | ug/m3 | 1460  |  | 6.29   |           |

| Lab Sample ID    |                         |       |                    | L1496601-01  | L1496601-02                                |               |           |          |           |
|------------------|-------------------------|-------|--------------------|--|--|---------------|-----------|----------|-----------|
| Client Sample ID |                         |       |                    | B1-10-15   | B2-10-15                                   |               |           |          |           |
| Date Collected   |                         |       |                    | 05/19/2022   | 05/19/2022                                 |               |           |          |           |
| Method           | Analyte                 | Units | GW Protective RCLs | Wisconsin Generic Industrial DC RCLs Calculated from | US EPA RSL Ind Soil TR 1e-06 THQ 1 MAY2021 | Result        | Qualifier | Result   | Qualifier |
| 6010B            | BARIUM                  | mg/kg | 164.8              | 100000   | 220000                                     | 84.4          |           | 129      |           |
| 6010B            | CHROMIUM                | mg/kg | 360000             | NS   | NS   | 22.7          |           | 24.8     |           |
| 6010B            | LEAD                    | mg/kg | 27                 | 800  | 800  | 3.86          |           | 5.22     |           |
| 8260B            | ACETONE                 | mg/kg | 3.67               | 100000   | 670000                                     | 0.164         |           | <0.122   |           |
| 8260B            | CHLOROFORM              | mg/kg | 0.0033             | 1.98   | 1.4  | <b>0.0236</b> |           | <0.00343 |           |
| 8260B            | CIS-1,2-DICHLOROETHENE  | mg/kg | 0.0412             | 2340   | 2300                                       | 0.0073        |           | <0.00245 |           |
| 8260B            | TETRACHLOROETHENE (PCE) | mg/kg | 0.0045             | 145  | 100  | <b>35.6</b>   |           | 0.0143   |           |
| 8260B            | TRICHLOROETHENE (TCE)   | mg/kg | 0.0036             | 8.41   | 6  | <b>0.102</b>  |           | <0.00195 |           |





## **ATTACHMENT B - FIGURES**

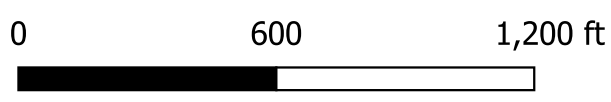
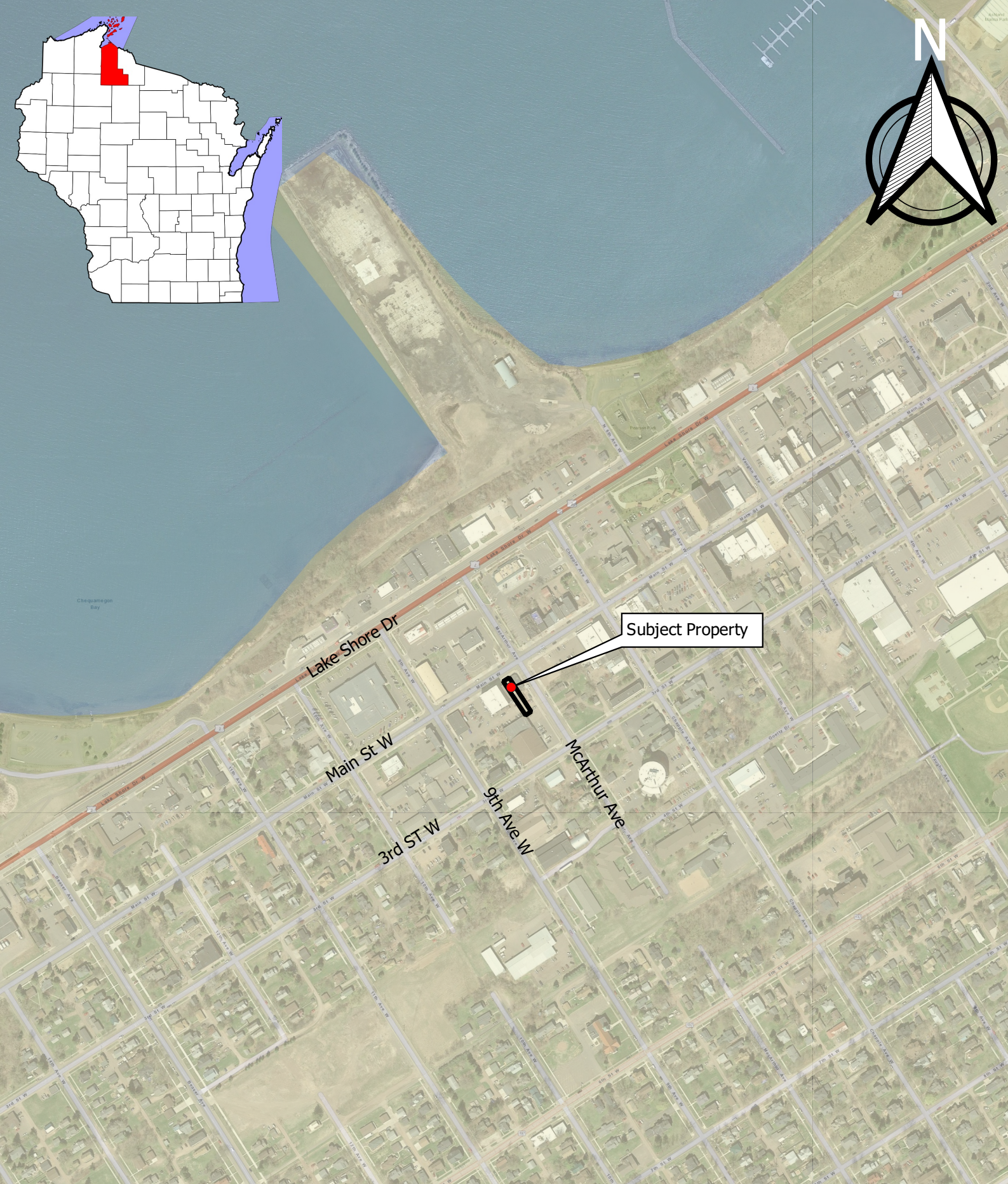
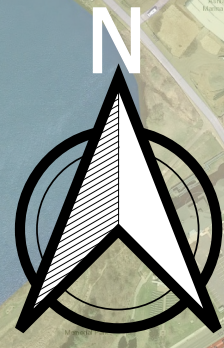
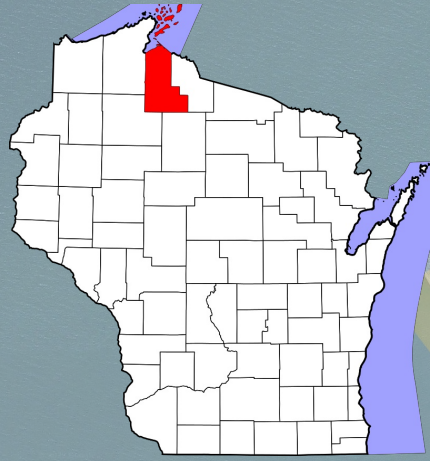


FIGURE 1  
SITE LOCATION

LIMITED PHASE II SITE INVESTIGATION

802 MAIN ST W  
ASHLAND, WI 54880

JUNE 2022

Legend

 Parcel Boundary



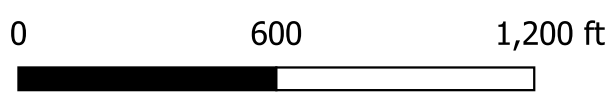
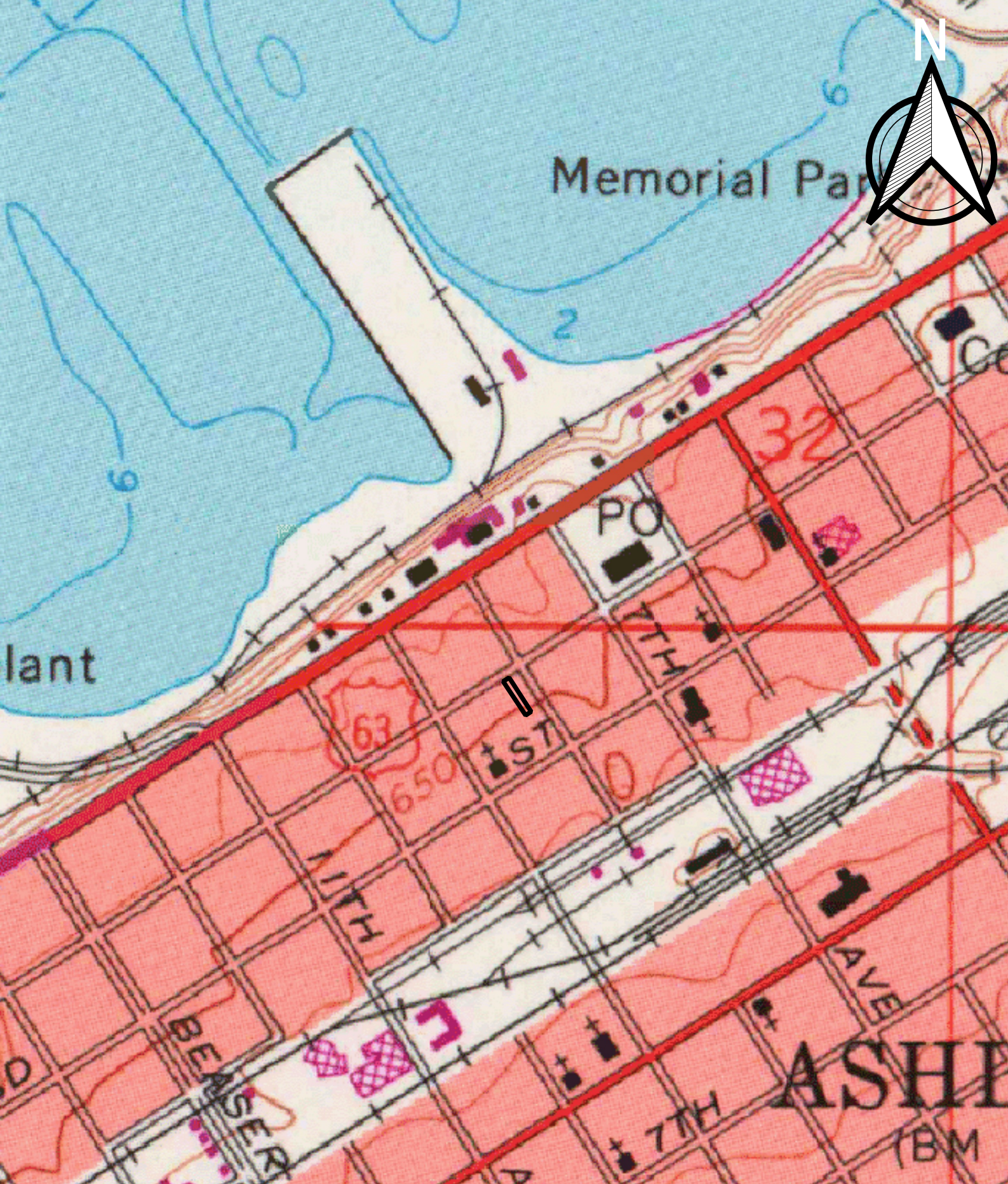


FIGURE 2  
SITE LOCATION vs USGS TOPO

LIMITED PHASE II SITE INVESTIGATION

802 MAIN ST W  
ASHLAND, WI 54880

JUNE 2022

Legend

 Parcel Boundary



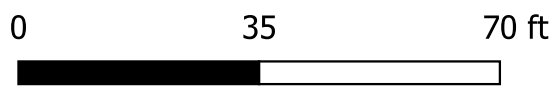


FIGURE 3

SITE LOCATION vs SAMPLE LOCATIONS

LIMITED PHASE II SI

802 MAIN ST W  
ASHLAND, WI 54880

JUNE 2022

Legend




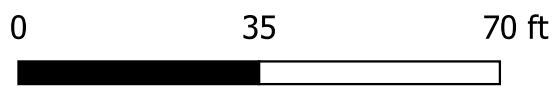
-  Parcel Boundary
-  Soil Samples
-  Soil Vapor Sample





FIGURE 4






SITE LOCATION vs COMMERCIAL EXCEEDANCES

LIMITED PHASE II SI

802 MAIN ST W  
ASHLAND, WI 54880

JUNE 2022

Legend

-  Parcel Boundary
-  Soil Samples
-  Soil Vapor Sample





## **ATTACHMENT C – SOIL VISUAL OBSERVATIONS**



**Client:** Deep Water LLC  
**Project:** 802 Main St W  
**Address:** 802 Main St W, Ashland, WI

**WELL LOG**  
**Well No.** B1  
**Page:** 1 of 2

**Drilling Start Date:** 05/19/2022 9:47  
**Drilling End Date:** 05/19/2022 11:26  
**Drilling Company:** Twin Ports Testing  
**Drilling Method:** Direct Push  
**Drilling Equipment:** Geoprobe 6635  
**Driller:** Jim Johnson  
**Logged By:** David Winter

**Boring Depth (ft):** 20  
**Boring Diameter (in):** 2.00  
**Sampling Method(s):** 5 - 5 FT SS Core w/Acetate Sleeve  
**DTW During Drilling (ft):** N/A  
**DTW After Drilling (ft):** N/A  
**Ground Surface Elev. (ft):** N/A  
**Location (Lat, Long):** 46.58738, -90.89188

**Well Depth (ft):** 20  
**Well Diameter (in):** 1  
**Screen Slot (in):** 0.010  
**Riser Material:** Sch 40 PVC  
**Screen Material:** Sch 40 PVC Slotted  
**Seal Material(s):**  
**Filter Pack:**

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT     |      |             |               | SOIL/ROCK VISUAL DESCRIPTION   | MEASURE   |            | DEPTH (ft) |
|------------|-----------|-------------|-----------------|-------------|------|-------------|---------------|--|-----------|------------|------------|
|            |           |             |                 | Sample Type | Time | Blow Counts | Recovery (ft) |  | PID (ppm) | Lab Sample |            |
| 0          |           |             |                 |             |      |             |               | (0') SILT with sand (ML); few fine-coarse gravel, few medium sand, nonplastic, medium stiff, wet, yellowish brown (10YR 5/6) | 3.3       |            | 0          |
|            |           |             |                 |             |      |             |               | (1') Lean CLAY (CL); few fine sand, low plasticity, stiff, moist, yellowish brown (10YR 5/6)                                 | 2.2       |            |            |
| 5          |           |             |                 |             |      |             |               | (5') Fat CLAY (CH); few fine-coarse gravel, few fine-medium sand, high plasticity, hard, moist, yellowish brown (10YR 5/6)   | 28.6      |            | 5          |
| 10         |           |             |                 |             |      |             |               | (10') Fat CLAY (CH); high plasticity, stiff, moist, yellowish brown (10YR 5/6)   | 25.5      | B1-10-15   | 10         |
| 15         |           |             |                 |             |      |             |               | (15') Fat CLAY (CH); high plasticity, stiff, moist, yellowish brown (10YR 5/6)   | 1.1       |            | 15         |
| 20         |           |             |                 |             |      |             |               |  |           |            | 20         |

NOTES:



**Client:** Deep Water LLC  
**Project:** 802 Main St W  
**Address:** 802 Main St W, Ashland, WI

**WELL LOG**  
**Well No.** B1  
**Page:** 2 of 2

**Drilling Start Date:** 05/19/2022 9:47  
**Drilling End Date:** 05/19/2022 11:26  
**Drilling Company:** Twin Ports Testing  
**Drilling Method:** Direct Push  
**Drilling Equipment:** Geoprobe 6635  
**Driller:** Jim Johnson  
**Logged By:** David Winter

**Boring Depth (ft):** 20  
**Boring Diameter (in):** 2.00  
**Sampling Method(s):** 5 - 5 FT SS Core w/Acetate Sleeve  
**DTW During Drilling (ft):** N/A  
**DTW After Drilling (ft):** N/A  
**Ground Surface Elev. (ft):** N/A  
**Location (Lat, Long):** 46.58738, -90.89188

**Well Depth (ft):** 20  
**Well Diameter (in):** 1  
**Screen Slot (in):** 0.010  
**Riser Material:** Sch 40 PVC  
**Screen Material:** Sch 40 PVC Slotted  
**Seal Material(s):**  
**Filter Pack:**

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT     |      |             |               | SOIL/ROCK VISUAL DESCRIPTION | MEASURE   |            | DEPTH (ft) |
|------------|-----------|-------------|-----------------|-------------|------|-------------|---------------|------------------------------|-----------|------------|------------|
|            |           |             |                 | Sample Type | Time | Blow Counts | Recovery (ft) |                              | PID (ppm) | Lab Sample |            |
| 20         |           |             |                 |             |      |             |               | (20') Boring terminated      |           |            | 20         |
| 25         |           |             |                 |             |      |             |               |                              |           |            | 25         |
| 30         |           |             |                 |             |      |             |               |                              |           |            | 30         |
| 35         |           |             |                 |             |      |             |               |                              |           |            | 35         |
| 40         |           |             |                 |             |      |             |               |                              |           |            | 40         |

NOTES:





**Client:** Deep Water LLC  
**Project:** 802 Main St W  
**Address:** 802 Main St W, Ashland, WI

**WELL LOG**  
**Well No.** B2  
**Page:** 1 of 2

**Drilling Start Date:** 05/19/2022 10:42  
**Drilling End Date:** 05/19/2022 12:09  
**Drilling Company:** Twin Ports Testing  
**Drilling Method:** Direct Push  
**Drilling Equipment:** Geoprobe 6635  
**Driller:** Jim Johnson  
**Logged By:** Zachary Coutee

**Boring Depth (ft):** 20  
**Boring Diameter (in):** 2.00  
**Sampling Method(s):**  
**DTW During Drilling (ft):** N/A  
**DTW After Drilling (ft):** N/A  
**Ground Surface Elev. (ft):** N/A  
**Location (Lat, Long):** N/A

**Well Depth (ft):** 20  
**Well Diameter (in):** 1  
**Screen Slot (in):** 0.010  
**Riser Material:**  
**Screen Material:** Sch 40 PVC Slotted  
**Seal Material(s):**  
**Filter Pack:**

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT     |      |             |               | SOIL/ROCK VISUAL DESCRIPTION  | MEASURE   |            | DEPTH (ft) |
|------------|-----------|-------------|-----------------|-------------|------|-------------|---------------|---|-----------|------------|------------|
|            |           |             |                 | Sample Type | Time | Blow Counts | Recovery (ft) |   | PID (ppm) | Lab Sample |            |
| 0          |           |             |                 |             |      |             |               | (0') Well-graded GRAVEL with silt (GW-GM); few fine-coarse grained gravel, few medium sand, loose, moist, dark yellowish brown (10YR 4/6) | 0.6       |            | 0          |
|            |           |             |                 |             |      |             |               | (2') SILT (ML); nonplastic, medium stiff, moist, black (10YR 2/1), 60% recovery.  | 0.4       |            |            |
|            |           |             |                 |             |      |             |               | (3') Fat CLAY (CH); high plasticity, stiff, moist, yellowish brown (10YR 5/6)   | 0.1       |            |            |
| 5          |           |             |                 |             |      |             |               | (5') Fat CLAY (CH); high plasticity, hard, dry, yellowish brown (10YR 5/6)  | 0.1       |            | 5          |
| 10         |           |             |                 |             |      |             |               | (10') Fat CLAY (CH); high plasticity, hard, moist, yellowish brown (10YR 5/6)   | 0         |            | 10         |
| 15         |           |             |                 |             |      |             |               | (15') Fat CLAY (CH); high plasticity, hard, moist, yellowish brown (10YR 5/6)   | 0         |            | 15         |
| 20         |           |             |                 |             |      |             |               |   |           |            | 20         |

NOTES: Hole precleared to 20'.



**Client:** Deep Water LLC  
**Project:** 802 Main St W  
**Address:** 802 Main St W, Ashland, WI

**WELL LOG**  
**Well No.** B2  
**Page:** 2 of 2

**Drilling Start Date:** 05/19/2022 10:42  
**Drilling End Date:** 05/19/2022 12:09  
**Drilling Company:** Twin Ports Testing  
**Drilling Method:** Direct Push  
**Drilling Equipment:** Geoprobe 6635  
**Driller:** Jim Johnson  
**Logged By:** Zachary Coutee

**Boring Depth (ft):** 20  
**Boring Diameter (in):** 2.00  
**Sampling Method(s):**  
**DTW During Drilling (ft):** N/A  
**DTW After Drilling (ft):** N/A  
**Ground Surface Elev. (ft):** N/A  
**Location (Lat, Long):** N/A

**Well Depth (ft):** 20  
**Well Diameter (in):** 1  
**Screen Slot (in):** 0.010  
**Riser Material:**  
**Screen Material:** Sch 40 PVC Slotted  
**Seal Material(s):**  
**Filter Pack:**

| DEPTH (ft) | LITHOLOGY | WATER LEVEL | WELL COMPLETION | COLLECT     |      |             |               | SOIL/ROCK VISUAL DESCRIPTION | MEASURE   |            | DEPTH (ft) |
|------------|-----------|-------------|-----------------|-------------|------|-------------|---------------|------------------------------|-----------|------------|------------|
|            |           |             |                 | Sample Type | Time | Blow Counts | Recovery (ft) |                              | PID (ppm) | Lab Sample |            |
| 20         |           |             |                 |             |      |             |               | (20') Boring terminated      |           |            | 20         |
| 25         |           |             |                 |             |      |             |               |                              |           |            | 25         |
| 30         |           |             |                 |             |      |             |               |                              |           |            | 30         |
| 35         |           |             |                 |             |      |             |               |                              |           |            | 35         |
| 40         |           |             |                 |             |      |             |               |                              |           |            | 40         |

NOTES: Hole precleared to 20'.



## BORING AND WELL LOG LEGEND

|  |  |  |   |
|--|--|--|---|
|  | <p><b>SURFACE</b><br/>         ASPHALT<br/>         CONCRETE<br/>         FILL<br/>         TOPSOIL<br/>         AIR<br/>         ICE</p> <p><b>USCS</b><br/>         Well-graded GRAVEL (GW)<br/>         Poorly graded GRAVEL (GP)<br/>         Silty GRAVEL (GM)<br/>         Clayey GRAVEL (GC)<br/>         Silty, Clayey GRAVEL (GC-GM)<br/>         Well-graded GRAVEL with silt (GW-GM)<br/>         Poorly graded GRAVEL with silt (GP-GM)<br/>         Well-graded GRAVEL with clay (GW-GC)<br/>         Poorly graded GRAVEL with clay (GP-GC)<br/>         Well-graded SAND (SW)<br/>         Poorly graded SAND (SP)<br/>         Silty SAND (SM)<br/>         Clayey SAND (SC)<br/>         Silty, Clayey SAND (SC-SM)<br/>         Well-graded SAND with silt (SW-SM)<br/>         Poorly graded SAND with silt (SP-SM)<br/>         Well-graded SAND with clay (SW-SC)<br/>         Poorly graded SAND with clay (SP-SC)<br/>         SILT (ML)<br/>         Lean CLAY (CL)<br/>         Silty CLAY (CL-ML)<br/>         Organic SOIL (OL)<br/>         Elastic SILT (MH)<br/>         Fat CLAY (CH)<br/>         Organic SOIL (OH)<br/>         Organic SOIL (OL/OH)<br/>         PEAT (PT)<br/>         BEDROCK<br/>         IGNEOUS Rock<br/>         METAMORPHIC Rock<br/>         SEDIMENTARY Rock<br/>         WATER</p> <p><b>Non-USCS</b><br/>         Gravel<br/>         Sand<br/>         Silt<br/>         Clayey Silt<br/>         Silt &amp; Clay<br/>         Clay &amp; Silt<br/>         Silty Clay<br/>         Clay<br/>         Boulders<br/>         Cobbles<br/>         Peastone<br/>         Glacial Till<br/>         Iron Ore<br/>         Wood<br/>         Peat<br/>         Saprolite<br/>         Ash<br/>         Waste</p> |  | <p><b>Volume Descriptors</b><br/>         Trace = &lt;5%<br/>         Few = 5-10%<br/>         Little = 15-25%<br/>         Some = 30-45%<br/>         Mostly = &gt;=50%</p> <p><b>Water Levels</b><br/>  Water Level During Drilling<br/>  Water Level at End of Drilling/in Completed Well</p> <p><b>Well/Boring Completion</b><br/>  Cap<br/>  Riser<br/>  Screen<br/>  End Plug<br/>  Annular Seal<br/>  Sanitary Seal (Bentonite Slurry/Chips/Pellets/Powder, Other)<br/>  Filter Pack (Sand, Gravel, Other)<br/>  Backfill</p> <p><b>Sample Type</b><br/>  GR Grab<br/>  EN Encore<br/>  SS Split Spoon<br/>  SH Shelby Tube<br/>  CO Core Barrel<br/>  DP Direct Push<br/>  ID Lab Sample and ID</p> |
|--|--|--|---|



## **ATTCHMENT D – SOIL VAPOR COLLECTION LOGS**

**David Winter, 11:58, 2022-05-19**

|             |   |
|-------------|---|
| Project     | (611) 802 Main St W-Ashland             |
| Created     | 2022-05-19 16:58:18 UTC by David Winter |
| Updated     | 2022-05-19 17:03:50 UTC by David Winter |
| Location    | 46.58738288281062, -90.89199400145759   |
| Date        | 2022-05-19                              |
| Time        | 11:58                                   |
| Sample Name | David Winter                            |

Photo of Sample Location



|                           |        |
|---------------------------|--------|
| Regulator Number          | 010997 |
| Tracer Application        | No     |
| Pre-Sample Vacuum Reading | -22    |
| Pump Evacuate Line?       | Yes    |

Photos of Pump Evacuate Line



---

Sample Start Time 1158

---

Initial Regulator Reading -22

---

Photo of Initial Regulator Reading



Sample End Time

1203

Final Regulator Reading

-5

Photo of Final Regulator Reading





## **ATTCHMENT E – SOIL ANALYTICAL RESULTS**



**Lord and Winter, LLC**

Sample Delivery Group: L1496601  
Samples Received: 05/20/2022  
Project Number: 611  
Description: 802 W Main-Ashland  
Site: ASHLAND, WISCONSIN  
Report To: Jonathan Odekirk  
231 Public Square  
Suite 300 - PMB44  
Franklin, TN 37064

Entire Report Reviewed By:



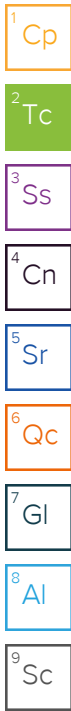
Jennifer Gambill  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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# SAMPLE SUMMARY

## B1-10-15 L1496601-01 Solid

Collected by: D Winter  
 Collected date/time: 05/19/22 10:30  
 Received date/time: 05/20/22 09:00

| Method  | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                          | WG1869889 | 1        | 05/26/22 09:33        | 05/26/22 09:50     | CMK     | Mt. Juliet, TN |
| Mercury by Method 7471A                                     | WG1870773 | 1        | 05/31/22 08:07        | 06/01/22 11:45     | ABL     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B                                | WG1871097 | 1        | 06/01/22 09:58        | 06/03/22 02:51     | CCE     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B                                | WG1871097 | 1        | 06/01/22 09:58        | 06/03/22 17:33     | ZSA     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B          | WG1869812 | 1        | 05/19/22 10:30        | 05/27/22 09:07     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B          | WG1870766 | 200      | 05/19/22 10:30        | 05/27/22 13:59     | JHH     | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1872161 | 1        | 05/31/22 17:07        | 06/01/22 02:31     | AO      | Mt. Juliet, TN |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## B2-10-15 L1496601-02 Solid

Collected by: D Winter  
 Collected date/time: 05/19/22 11:30  
 Received date/time: 05/20/22 09:00

| Method  | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                          | WG1869889 | 1        | 05/26/22 09:33        | 05/26/22 09:50     | CMK     | Mt. Juliet, TN |
| Mercury by Method 7471A                                     | WG1870773 | 1        | 05/31/22 08:07        | 06/01/22 11:48     | ABL     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B                                | WG1871097 | 1        | 06/01/22 09:58        | 06/03/22 03:05     | CCE     | Mt. Juliet, TN |
| Metals (ICP) by Method 6010B                                | WG1871097 | 1        | 06/01/22 09:58        | 06/03/22 17:46     | ZSA     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B          | WG1870323 | 1        | 05/19/22 11:30        | 05/27/22 08:39     | BMB     | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG1872161 | 1        | 05/31/22 17:07        | 06/01/22 02:48     | AO      | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
| Total Solids | 78.5   |           | 1        | 05/26/2022 09:50 | <a href="#">WG1869889</a> |

Mercury by Method 7471A

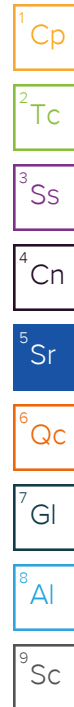
| Analyte | Result | Qualifier | RDL    | Dilution | Analysis         | Batch                     |
|---------|--------|-----------|--------|----------|------------------|---------------------------|
| Mercury | ND     |           | 0.0600 | 1        | 06/01/2022 11:45 | <a href="#">WG1870773</a> |

Metals (ICP) by Method 6010B

| Analyte  | Result | Qualifier | RDL   | Dilution | Analysis         | Batch                     |
|----------|--------|-----------|-------|----------|------------------|---------------------------|
| Arsenic  | ND     |           | 1.73  | 1        | 06/03/2022 02:51 | <a href="#">WG1871097</a> |
| Barium   | 84.4   |           | 0.284 | 1        | 06/03/2022 02:51 | <a href="#">WG1871097</a> |
| Cadmium  | ND     |           | 0.157 | 1        | 06/03/2022 02:51 | <a href="#">WG1871097</a> |
| Chromium | 22.7   |           | 0.443 | 1        | 06/03/2022 17:33 | <a href="#">WG1871097</a> |
| Lead     | 3.86   |           | 0.693 | 1        | 06/03/2022 02:51 | <a href="#">WG1871097</a> |
| Selenium | ND     |           | 2.55  | 1        | 06/03/2022 02:51 | <a href="#">WG1871097</a> |
| Silver   | ND     |           | 0.423 | 1        | 06/03/2022 17:33 | <a href="#">WG1871097</a> |

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                     | Result  | Qualifier          | RDL      | Dilution | Analysis         | Batch                     |
|-----------------------------|---------|--------------------|----------|----------|------------------|---------------------------|
| Acetone                     | 0.164   |                    | 0.122    | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Acrylonitrile               | ND      |                    | 0.0120   | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Benzene                     | ND      |                    | 0.00156  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Bromobenzene                | ND      | <a href="#">J4</a> | 0.00300  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Bromodichloromethane        | ND      |                    | 0.00242  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Bromoform                   | ND      |                    | 0.00390  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Bromomethane                | ND      |                    | 0.00657  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| n-Butylbenzene              | ND      |                    | 0.0175   | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| sec-Butylbenzene            | ND      |                    | 0.00960  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| tert-Butylbenzene           | ND      |                    | 0.00650  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Carbon tetrachloride        | ND      |                    | 0.00299  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Chlorobenzene               | ND      |                    | 0.000700 | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Chlorodibromomethane        | ND      |                    | 0.00204  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Chloroethane                | ND      |                    | 0.00567  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Chloroform                  | 0.0236  |                    | 0.00343  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Chloromethane               | ND      |                    | 0.0145   | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 2-Chlorotoluene             | ND      |                    | 0.00288  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 4-Chlorotoluene             | ND      |                    | 0.00150  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,2-Dibromo-3-Chloropropane | ND      |                    | 0.0130   | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,2-Dibromoethane           | ND      |                    | 0.00216  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Dibromomethane              | ND      |                    | 0.00250  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,2-Dichlorobenzene         | ND      |                    | 0.00142  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,3-Dichlorobenzene         | ND      |                    | 0.00200  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,4-Dichlorobenzene         | ND      |                    | 0.00233  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| Dichlorodifluoromethane     | ND      |                    | 0.00537  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,1-Dichloroethane          | ND      |                    | 0.00164  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,2-Dichloroethane          | ND      |                    | 0.00216  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,1-Dichloroethene          | ND      |                    | 0.00202  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| cis-1,2-Dichloroethene      | 0.00732 |                    | 0.00245  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| trans-1,2-Dichloroethene    | ND      |                    | 0.00347  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,2-Dichloropropane         | ND      |                    | 0.00473  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,1-Dichloropropene         | ND      |                    | 0.00270  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |
| 1,3-Dichloropropane         | ND      |                    | 0.00167  | 1        | 05/27/2022 09:07 | <a href="#">WG1869812</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                        | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch     |
|--------------------------------|-----------------|-----------|--------------|----------|-------------------------|-----------|
| cis-1,3-Dichloropropene        | ND              |           | 0.00252      | 1        | 05/27/2022 09:07        | WG1869812 |
| trans-1,3-Dichloropropene      | ND              |           | 0.00380      | 1        | 05/27/2022 09:07        | WG1869812 |
| 2,2-Dichloropropane            | ND              |           | 0.00460      | 1        | 05/27/2022 09:07        | WG1869812 |
| Di-isopropyl ether             | ND              |           | 0.00137      | 1        | 05/27/2022 09:07        | WG1869812 |
| Ethylbenzene                   | ND              |           | 0.490        | 200      | 05/27/2022 13:59        | WG1870766 |
| Hexachloro-1,3-butadiene       | ND              |           | 0.0200       | 1        | 05/27/2022 09:07        | WG1869812 |
| Isopropylbenzene               | ND              |           | 0.283        | 200      | 05/27/2022 13:59        | WG1870766 |
| p-Isopropyltoluene             | ND              |           | 0.00850      | 1        | 05/27/2022 09:07        | WG1869812 |
| 2-Butanone (MEK)               | ND              |           | 0.212        | 1        | 05/27/2022 09:07        | WG1869812 |
| Methylene Chloride             | ND              |           | 0.0221       | 1        | 05/27/2022 09:07        | WG1869812 |
| 4-Methyl-2-pentanone (MIBK)    | ND              | J4        | 0.00760      | 1        | 05/27/2022 09:07        | WG1869812 |
| Methyl tert-butyl ether        | ND              |           | 0.00117      | 1        | 05/27/2022 09:07        | WG1869812 |
| Naphthalene                    | ND              |           | 3.25         | 200      | 05/27/2022 13:59        | WG1870766 |
| n-Propylbenzene                | ND              |           | 0.633        | 200      | 05/27/2022 13:59        | WG1870766 |
| Styrene                        | ND              |           | 0.000763     | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,1,1,2-Tetrachloroethane      | ND              |           | 0.00316      | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,1,2,2-Tetrachloroethane      | ND              |           | 0.00232      | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,1,2-Trichlorotrifluoroethane | ND              |           | 0.00251      | 1        | 05/27/2022 09:07        | WG1869812 |
| Tetrachloroethene              | 35.6            |           | 0.597        | 200      | 05/27/2022 13:59        | WG1870766 |
| Toluene                        | ND              |           | 0.00433      | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,2,3-Trichlorobenzene         | ND              |           | 0.0244       | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,2,4-Trichlorobenzene         | ND              |           | 0.0147       | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,1,1-Trichloroethane          | ND              |           | 0.00308      | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,1,2-Trichloroethane          | ND              |           | 0.00199      | 1        | 05/27/2022 09:07        | WG1869812 |
| Trichloroethene                | 0.102           |           | 0.00195      | 1        | 05/27/2022 09:07        | WG1869812 |
| Trichlorofluoromethane         | ND              |           | 0.00276      | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,2,3-Trichloropropane         | ND              |           | 0.00540      | 1        | 05/27/2022 09:07        | WG1869812 |
| 1,2,4-Trimethylbenzene         | ND              |           | 1.05         | 200      | 05/27/2022 13:59        | WG1870766 |
| 1,2,3-Trimethylbenzene         | ND              |           | 1.05         | 200      | 05/27/2022 13:59        | WG1870766 |
| 1,3,5-Trimethylbenzene         | ND              |           | 1.33         | 200      | 05/27/2022 13:59        | WG1870766 |
| Vinyl chloride                 | ND              |           | 0.00387      | 1        | 05/27/2022 09:07        | WG1869812 |
| Xylenes, Total                 | ND              |           | 0.587        | 200      | 05/27/2022 13:59        | WG1870766 |
| (S) Toluene-d8                 | 116             |           | 75.0-131     |          | 05/27/2022 09:07        | WG1869812 |
| (S) Toluene-d8                 | 99.1            |           | 75.0-131     |          | 05/27/2022 13:59        | WG1870766 |
| (S) 4-Bromofluorobenzene       | 86.6            |           | 67.0-138     |          | 05/27/2022 09:07        | WG1869812 |
| (S) 4-Bromofluorobenzene       | 105             |           | 67.0-138     |          | 05/27/2022 13:59        | WG1870766 |
| (S) 1,2-Dichloroethane-d4      | 93.8            |           | 70.0-130     |          | 05/27/2022 09:07        | WG1869812 |
| (S) 1,2-Dichloroethane-d4      | 108             |           | 70.0-130     |          | 05/27/2022 13:59        | WG1870766 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte                | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch     |
|------------------------|-----------------|-----------|--------------|----------|-------------------------|-----------|
| Anthracene             | ND              |           | 0.00767      | 1        | 06/01/2022 02:31        | WG1872161 |
| Acenaphthene           | ND              |           | 0.00697      | 1        | 06/01/2022 02:31        | WG1872161 |
| Acenaphthylene         | ND              |           | 0.00720      | 1        | 06/01/2022 02:31        | WG1872161 |
| Benzo(a)anthracene     | ND              |           | 0.00577      | 1        | 06/01/2022 02:31        | WG1872161 |
| Benzo(a)pyrene         | ND              |           | 0.00597      | 1        | 06/01/2022 02:31        | WG1872161 |
| Benzo(b)fluoranthene   | ND              |           | 0.00510      | 1        | 06/01/2022 02:31        | WG1872161 |
| Benzo(g,h,i)perylene   | ND              |           | 0.00590      | 1        | 06/01/2022 02:31        | WG1872161 |
| Benzo(k)fluoranthene   | ND              |           | 0.00717      | 1        | 06/01/2022 02:31        | WG1872161 |
| Chrysene               | ND              |           | 0.00773      | 1        | 06/01/2022 02:31        | WG1872161 |
| Dibenz(a,h)anthracene  | ND              |           | 0.00573      | 1        | 06/01/2022 02:31        | WG1872161 |
| Fluoranthene           | ND              |           | 0.00757      | 1        | 06/01/2022 02:31        | WG1872161 |
| Fluorene               | ND              |           | 0.00683      | 1        | 06/01/2022 02:31        | WG1872161 |
| Indeno(1,2,3-cd)pyrene | ND              |           | 0.00603      | 1        | 06/01/2022 02:31        | WG1872161 |
| Naphthalene            | ND              |           | 0.0136       | 1        | 06/01/2022 02:31        | WG1872161 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte                     | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Phenanthrene                | ND              |           | 0.00770      | 1        | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| Pyrene                      | ND              |           | 0.00667      | 1        | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| 1-Methylnaphthalene         | ND              |           | 0.0150       | 1        | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| 2-Methylnaphthalene         | ND              |           | 0.0142       | 1        | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| 2-Chloronaphthalene         | ND              |           | 0.0155       | 1        | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| <i>(S) p-Terphenyl-d14</i>  | 88.1            |           | 23.0-120     |          | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| <i>(S) Nitrobenzene-d5</i>  | 66.3            |           | 14.0-149     |          | 06/01/2022 02:31        | <a href="#">WG1872161</a> |
| <i>(S) 2-Fluorobiphenyl</i> | 69.9            |           | 34.0-125     |          | 06/01/2022 02:31        | <a href="#">WG1872161</a> |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 81.8   |           | 1        | 05/26/2022 09:50 | <a href="#">WG1869889</a> |

Mercury by Method 7471A

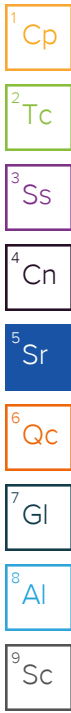
| Analyte | Result | Qualifier | RDL    | Dilution | Analysis         | Batch                     |
|---------|--------|-----------|--------|----------|------------------|---------------------------|
|         | mg/kg  |           | mg/kg  |          | date / time      |                           |
| Mercury | ND     |           | 0.0600 | 1        | 06/01/2022 11:48 | <a href="#">WG1870773</a> |

Metals (ICP) by Method 6010B

| Analyte  | Result | Qualifier | RDL   | Dilution | Analysis         | Batch                     |
|----------|--------|-----------|-------|----------|------------------|---------------------------|
|          | mg/kg  |           | mg/kg |          | date / time      |                           |
| Arsenic  | ND     |           | 1.73  | 1        | 06/03/2022 03:05 | <a href="#">WG1871097</a> |
| Barium   | 129    |           | 0.284 | 1        | 06/03/2022 03:05 | <a href="#">WG1871097</a> |
| Cadmium  | ND     |           | 0.157 | 1        | 06/03/2022 03:05 | <a href="#">WG1871097</a> |
| Chromium | 24.8   |           | 0.443 | 1        | 06/03/2022 17:46 | <a href="#">WG1871097</a> |
| Lead     | 5.22   |           | 0.693 | 1        | 06/03/2022 03:05 | <a href="#">WG1871097</a> |
| Selenium | ND     |           | 2.55  | 1        | 06/03/2022 03:05 | <a href="#">WG1871097</a> |
| Silver   | ND     |           | 0.423 | 1        | 06/03/2022 17:46 | <a href="#">WG1871097</a> |

Volatile Organic Compounds (GC/MS) by Method 8260B

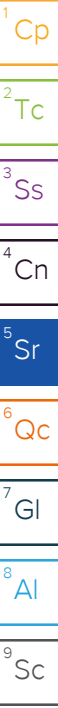
| Analyte                     | Result | Qualifier | RDL      | Dilution | Analysis         | Batch                     |
|-----------------------------|--------|-----------|----------|----------|------------------|---------------------------|
|                             | mg/kg  |           | mg/kg    |          | date / time      |                           |
| Acetone                     | ND     |           | 0.122    | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Acrylonitrile               | ND     |           | 0.0120   | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Benzene                     | ND     |           | 0.00156  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Bromobenzene                | ND     |           | 0.00300  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Bromodichloromethane        | ND     |           | 0.00242  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Bromoform                   | ND     |           | 0.00390  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Bromomethane                | ND     |           | 0.00657  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| n-Butylbenzene              | ND     |           | 0.0175   | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| sec-Butylbenzene            | ND     |           | 0.00960  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| tert-Butylbenzene           | ND     |           | 0.00650  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Carbon tetrachloride        | ND     |           | 0.00299  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Chlorobenzene               | ND     |           | 0.000700 | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Chlorodibromomethane        | ND     |           | 0.00204  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Chloroethane                | ND     |           | 0.00567  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Chloroform                  | ND     |           | 0.00343  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Chloromethane               | ND     |           | 0.0145   | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 2-Chlorotoluene             | ND     |           | 0.00288  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 4-Chlorotoluene             | ND     |           | 0.00150  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 0.0130   | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,2-Dibromoethane           | ND     |           | 0.00216  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Dibromomethane              | ND     |           | 0.00250  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,2-Dichlorobenzene         | ND     |           | 0.00142  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,3-Dichlorobenzene         | ND     |           | 0.00200  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,4-Dichlorobenzene         | ND     |           | 0.00233  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| Dichlorodifluoromethane     | ND     |           | 0.00537  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,1-Dichloroethane          | ND     |           | 0.00164  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,2-Dichloroethane          | ND     |           | 0.00216  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,1-Dichloroethene          | ND     |           | 0.00202  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| cis-1,2-Dichloroethene      | ND     |           | 0.00245  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| trans-1,2-Dichloroethene    | ND     |           | 0.00347  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,2-Dichloropropane         | ND     |           | 0.00473  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,1-Dichloropropene         | ND     |           | 0.00270  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |
| 1,3-Dichloropropane         | ND     |           | 0.00167  | 1        | 05/27/2022 08:39 | <a href="#">WG1870323</a> |





## Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte                        | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| cis-1,3-Dichloropropene        | ND              |           | 0.00252      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| trans-1,3-Dichloropropene      | ND              |           | 0.00380      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 2,2-Dichloropropane            | ND              |           | 0.00460      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Di-isopropyl ether             | ND              |           | 0.00137      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Ethylbenzene                   | ND              |           | 0.00246      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Hexachloro-1,3-butadiene       | ND              |           | 0.0200       | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Isopropylbenzene               | ND              |           | 0.00142      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| p-Isopropyltoluene             | ND              |           | 0.00850      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 2-Butanone (MEK)               | ND              |           | 0.212        | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Methylene Chloride             | ND              |           | 0.0221       | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 4-Methyl-2-pentanone (MIBK)    | ND              |           | 0.00760      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Methyl tert-butyl ether        | ND              |           | 0.00117      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Naphthalene                    | ND              |           | 0.0163       | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| n-Propylbenzene                | ND              |           | 0.00317      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Styrene                        | ND              |           | 0.000763     | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,1,1,2-Tetrachloroethane      | ND              |           | 0.00316      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,1,2,2-Tetrachloroethane      | ND              |           | 0.00232      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,1,2-Trichlorotrifluoroethane | ND              |           | 0.00251      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Tetrachloroethene              | 0.0143          |           | 0.00299      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Toluene                        | ND              |           | 0.00433      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,2,3-Trichlorobenzene         | ND              |           | 0.0244       | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,2,4-Trichlorobenzene         | ND              |           | 0.0147       | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,1,1-Trichloroethane          | ND              |           | 0.00308      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,1,2-Trichloroethane          | ND              |           | 0.00199      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Trichloroethene                | ND              |           | 0.00195      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Trichlorofluoromethane         | ND              |           | 0.00276      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,2,3-Trichloropropane         | ND              |           | 0.00540      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,2,4-Trimethylbenzene         | ND              |           | 0.00527      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,2,3-Trimethylbenzene         | ND              |           | 0.00527      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| 1,3,5-Trimethylbenzene         | ND              |           | 0.00667      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Vinyl chloride                 | ND              |           | 0.00387      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| Xylenes, Total                 | ND              |           | 0.00293      | 1        | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| (S) Toluene-d8                 | 101             |           | 75.0-131     |          | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| (S) 4-Bromofluorobenzene       | 105             |           | 67.0-138     |          | 05/27/2022 08:39        | <a href="#">WG1870323</a> |
| (S) 1,2-Dichloroethane-d4      | 83.9            |           | 70.0-130     |          | 05/27/2022 08:39        | <a href="#">WG1870323</a> |



## Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte                | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Anthracene             | ND              |           | 0.00767      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Acenaphthene           | ND              |           | 0.00697      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Acenaphthylene         | ND              |           | 0.00720      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Benzo(a)anthracene     | ND              |           | 0.00577      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Benzo(a)pyrene         | ND              |           | 0.00597      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Benzo(b)fluoranthene   | ND              |           | 0.00510      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Benzo(g,h,i)perylene   | ND              |           | 0.00590      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Benzo(k)fluoranthene   | ND              |           | 0.00717      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Chrysene               | ND              |           | 0.00773      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Dibenz(a,h)anthracene  | ND              |           | 0.00573      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Fluoranthene           | ND              |           | 0.00757      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Fluorene               | ND              |           | 0.00683      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Indeno(1,2,3-cd)pyrene | ND              |           | 0.00603      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Naphthalene            | ND              |           | 0.0136       | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Phenanthrene           | ND              |           | 0.00770      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| Pyrene                 | ND              |           | 0.00667      | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| 1-Methylnaphthalene    | ND              |           | 0.0150       | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

| Analyte                     | Result<br>mg/kg | Qualifier | RDL<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| 2-Methylnaphthalene         | ND              |           | 0.0142       | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| 2-Chloronaphthalene         | ND              |           | 0.0155       | 1        | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| <i>(S)</i> p-Terphenyl-d14  | 65.1            |           | 23.0-120     |          | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| <i>(S)</i> Nitrobenzene-d5  | 50.4            |           | 14.0-149     |          | 06/01/2022 02:48        | <a href="#">WG1872161</a> |
| <i>(S)</i> 2-Fluorobiphenyl | 44.6            |           | 34.0-125     |          | 06/01/2022 02:48        | <a href="#">WG1872161</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3796769-1 05/26/22 09:50

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.00200   |              |        |        |

1 Cp

2 Tc

3 Ss

L1495978-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1495978-11 05/26/22 09:50 • (DUP) R3796769-3 05/26/22 09:50

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 77.4            | 77.9       | 1        | 0.725   |               | 10             |

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3796769-2 05/26/22 09:50

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| Total Solids | 50.0         | 50.0       | 100      | 85.0-115    |               |

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3798104-1 06/01/22 10:45

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Mercury | U         |              | 0.0180 | 0.0600 |

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R3798104-2 06/01/22 10:47

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Mercury | 0.500        | 0.477      | 95.4     | 80.0-120    |               |

4 Cn

5 Sr

L1496418-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496418-06 06/01/22 10:55 • (MS) R3798104-3 06/01/22 10:57 • (MSD) R3798104-4 06/01/22 11:00

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Mercury | 0.500        | ND              | 0.452     | 0.472      | 90.4    | 94.4     | 1        | 75.0-125    |              |               | 4.27 | 20         |

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3798974-1 06/03/22 02:46

| Analyte  | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
|          | mg/kg     |              | mg/kg  | mg/kg  |
| Arsenic  | 0.563     | U            | 0.518  | 1.73   |
| Barium   | U         |              | 0.0852 | 0.284  |
| Cadmium  | U         |              | 0.0471 | 0.157  |
| Lead     | U         |              | 0.208  | 0.693  |
| Selenium | U         |              | 0.764  | 2.55   |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3799640-1 06/03/22 17:28

| Analyte  | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
|          | mg/kg     |              | mg/kg  | mg/kg  |
| Chromium | U         |              | 0.133  | 0.443  |
| Silver   | U         |              | 0.127  | 0.423  |

Laboratory Control Sample (LCS)

(LCS) R3798974-2 06/03/22 02:49

| Analyte  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
|          | mg/kg        | mg/kg      | %        | %           |               |
| Arsenic  | 100          | 91.8       | 91.8     | 80.0-120    |               |
| Barium   | 100          | 99.8       | 99.8     | 80.0-120    |               |
| Cadmium  | 100          | 95.4       | 95.4     | 80.0-120    |               |
| Lead     | 100          | 90.9       | 90.9     | 80.0-120    |               |
| Selenium | 100          | 96.7       | 96.7     | 80.0-120    |               |

Laboratory Control Sample (LCS)

(LCS) R3799640-2 06/03/22 17:30

| Analyte  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
|          | mg/kg        | mg/kg      | %        | %           |               |
| Chromium | 100          | 92.6       | 92.6     | 80.0-120    |               |
| Silver   | 20.0         | 18.0       | 89.9     | 80.0-120    |               |

L1496601-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496601-01 06/03/22 02:51 • (MS) R3798974-5 06/03/22 02:59 • (MSD) R3798974-6 06/03/22 03:02

| Analyte  | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Arsenic  | 100                   | ND                       | 98.0               | 84.7                | 98.0         | 94.8          | 1        | 75.0-125         |              |               | 14.6     | 20              |
| Barium   | 100                   | 84.4                     | 160                | 180                 | 75.8         | 107           | 1        | 75.0-125         |              |               | 11.7     | 20              |
| Cadmium  | 100                   | ND                       | 101                | 88.2                | 100          | 98.7          | 1        | 75.0-125         |              |               | 13.0     | 20              |
| Lead     | 100                   | 3.86                     | 100                | 87.7                | 96.6         | 93.9          | 1        | 75.0-125         |              |               | 13.6     | 20              |
| Selenium | 100                   | ND                       | 100                | 85.7                | 100          | 95.1          | 1        | 75.0-125         |              |               | 15.7     | 20              |

L1496601-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496601-01 06/03/22 17:33 • (MS) R3799640-5 06/03/22 17:41 • (MSD) R3799640-6 06/03/22 17:43

| Analyte  | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chromium | 100                   | 22.7                     | 114                | 106                 | 91.7         | 92.9          | 1        | 75.0-125         |              |               | 7.96     | 20              |
| Silver   | 20.0                  | ND                       | 19.0               | 16.3                | 95.2         | 91.0          | 1        | 75.0-125         |              |               | 15.6     | 20              |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3796784-2 05/27/22 00:12

| Analyte                     | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| Acetone                     | U                  |              | 0.0365          | 0.122           |
| Acrylonitrile               | U                  |              | 0.00361         | 0.0120          |
| Benzene                     | U                  |              | 0.000467        | 0.00156         |
| Bromobenzene                | U                  |              | 0.000900        | 0.00300         |
| Bromodichloromethane        | U                  |              | 0.000725        | 0.00242         |
| Bromoform                   | U                  |              | 0.00117         | 0.00390         |
| Bromomethane                | U                  |              | 0.00197         | 0.00657         |
| n-Butylbenzene              | U                  |              | 0.00525         | 0.0175          |
| sec-Butylbenzene            | U                  |              | 0.00288         | 0.00960         |
| tert-Butylbenzene           | U                  |              | 0.00195         | 0.00650         |
| Carbon tetrachloride        | U                  |              | 0.000898        | 0.00299         |
| Chlorobenzene               | U                  |              | 0.000210        | 0.000700        |
| Chlorodibromomethane        | U                  |              | 0.000612        | 0.00204         |
| Chloroethane                | U                  |              | 0.00170         | 0.00567         |
| Chloroform                  | U                  |              | 0.00103         | 0.00343         |
| Chloromethane               | U                  |              | 0.00435         | 0.0145          |
| 2-Chlorotoluene             | U                  |              | 0.000865        | 0.00288         |
| 4-Chlorotoluene             | U                  |              | 0.000450        | 0.00150         |
| 1,2-Dibromo-3-Chloropropane | U                  |              | 0.00390         | 0.0130          |
| 1,2-Dibromoethane           | U                  |              | 0.000648        | 0.00216         |
| Dibromomethane              | U                  |              | 0.000750        | 0.00250         |
| 1,2-Dichlorobenzene         | U                  |              | 0.000425        | 0.00142         |
| 1,3-Dichlorobenzene         | U                  |              | 0.000600        | 0.00200         |
| 1,4-Dichlorobenzene         | U                  |              | 0.000700        | 0.00233         |
| Dichlorodifluoromethane     | U                  |              | 0.00161         | 0.00537         |
| 1,1-Dichloroethane          | U                  |              | 0.000491        | 0.00164         |
| 1,2-Dichloroethane          | U                  |              | 0.000649        | 0.00216         |
| 1,1-Dichloroethene          | U                  |              | 0.000606        | 0.00202         |
| cis-1,2-Dichloroethene      | U                  |              | 0.000734        | 0.00245         |
| trans-1,2-Dichloroethene    | U                  |              | 0.00104         | 0.00347         |
| 1,2-Dichloropropane         | U                  |              | 0.00142         | 0.00473         |
| 1,1-Dichloropropene         | U                  |              | 0.000809        | 0.00270         |
| 1,3-Dichloropropane         | U                  |              | 0.000501        | 0.00167         |
| cis-1,3-Dichloropropene     | U                  |              | 0.000757        | 0.00252         |
| trans-1,3-Dichloropropene   | U                  |              | 0.00114         | 0.00380         |
| 2,2-Dichloropropane         | U                  |              | 0.00138         | 0.00460         |
| Di-isopropyl ether          | U                  |              | 0.000410        | 0.00137         |
| Hexachloro-1,3-butadiene    | U                  |              | 0.00600         | 0.0200          |
| p-Isopropyltoluene          | U                  |              | 0.00255         | 0.00850         |
| 2-Butanone (MEK)            | U                  |              | 0.0635          | 0.212           |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3796784-2 05/27/22 00:12

| Analyte                        | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| Methylene Chloride             | U                  |              | 0.00664         | 0.0221          |
| 4-Methyl-2-pentanone (MIBK)    | U                  |              | 0.00228         | 0.00760         |
| Methyl tert-butyl ether        | U                  |              | 0.000350        | 0.00117         |
| Styrene                        | U                  |              | 0.000229        | 0.000763        |
| 1,1,1,2-Tetrachloroethane      | U                  |              | 0.000948        | 0.00316         |
| 1,1,2,2-Tetrachloroethane      | U                  |              | 0.000695        | 0.00232         |
| 1,1,2-Trichlorotrifluoroethane | U                  |              | 0.000754        | 0.00251         |
| Toluene                        | U                  |              | 0.00130         | 0.00433         |
| 1,2,3-Trichlorobenzene         | U                  |              | 0.00733         | 0.0244          |
| 1,2,4-Trichlorobenzene         | U                  |              | 0.00440         | 0.0147          |
| 1,1,1-Trichloroethane          | U                  |              | 0.000923        | 0.00308         |
| 1,1,2-Trichloroethane          | U                  |              | 0.000597        | 0.00199         |
| Trichloroethene                | U                  |              | 0.000584        | 0.00195         |
| Trichlorofluoromethane         | U                  |              | 0.000827        | 0.00276         |
| 1,2,3-Trichloropropane         | U                  |              | 0.00162         | 0.00540         |
| Vinyl chloride                 | U                  |              | 0.00116         | 0.00387         |
| (S) Toluene-d8                 | 116                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene       | 80.3               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4      | 99.4               |              |                 | 70.0-130        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R3796784-1 05/26/22 22:55

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Acetone              | 0.625                 | 0.831               | 133           | 10.0-160         |               |
| Acrylonitrile        | 0.625                 | 0.683               | 109           | 45.0-153         |               |
| Benzene              | 0.125                 | 0.114               | 91.2          | 70.0-123         |               |
| Bromobenzene         | 0.125                 | 0.161               | 129           | 73.0-121         | <u>J4</u>     |
| Bromodichloromethane | 0.125                 | 0.119               | 95.2          | 73.0-121         |               |
| Bromoform            | 0.125                 | 0.119               | 95.2          | 64.0-132         |               |
| Bromomethane         | 0.125                 | 0.113               | 90.4          | 56.0-147         |               |
| n-Butylbenzene       | 0.125                 | 0.112               | 89.6          | 68.0-135         |               |
| sec-Butylbenzene     | 0.125                 | 0.120               | 96.0          | 74.0-130         |               |
| tert-Butylbenzene    | 0.125                 | 0.127               | 102           | 75.0-127         |               |
| Carbon tetrachloride | 0.125                 | 0.106               | 84.8          | 66.0-128         |               |
| Chlorobenzene        | 0.125                 | 0.140               | 112           | 76.0-128         |               |
| Chlorodibromomethane | 0.125                 | 0.144               | 115           | 74.0-127         |               |
| Chloroethane         | 0.125                 | 0.122               | 97.6          | 61.0-134         |               |



Laboratory Control Sample (LCS)

(LCS) R3796784-1 05/26/22 22:55

| Analyte                        | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|--------------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Chloroform                     | 0.125                 | 0.122               | 97.6          | 72.0-123         |                      |
| Chloromethane                  | 0.125                 | 0.162               | 130           | 51.0-138         |                      |
| 2-Chlorotoluene                | 0.125                 | 0.142               | 114           | 75.0-124         |                      |
| 4-Chlorotoluene                | 0.125                 | 0.137               | 110           | 75.0-124         |                      |
| 1,2-Dibromo-3-Chloropropane    | 0.125                 | 0.125               | 100           | 59.0-130         |                      |
| 1,2-Dibromoethane              | 0.125                 | 0.142               | 114           | 74.0-128         |                      |
| Dibromomethane                 | 0.125                 | 0.121               | 96.8          | 75.0-122         |                      |
| 1,2-Dichlorobenzene            | 0.125                 | 0.130               | 104           | 76.0-124         |                      |
| 1,3-Dichlorobenzene            | 0.125                 | 0.132               | 106           | 76.0-125         |                      |
| 1,4-Dichlorobenzene            | 0.125                 | 0.119               | 95.2          | 77.0-121         |                      |
| Dichlorodifluoromethane        | 0.125                 | 0.114               | 91.2          | 43.0-156         |                      |
| 1,1-Dichloroethane             | 0.125                 | 0.126               | 101           | 70.0-127         |                      |
| 1,2-Dichloroethane             | 0.125                 | 0.134               | 107           | 65.0-131         |                      |
| 1,1-Dichloroethene             | 0.125                 | 0.126               | 101           | 65.0-131         |                      |
| cis-1,2-Dichloroethene         | 0.125                 | 0.120               | 96.0          | 73.0-125         |                      |
| trans-1,2-Dichloroethene       | 0.125                 | 0.126               | 101           | 71.0-125         |                      |
| 1,2-Dichloropropane            | 0.125                 | 0.115               | 92.0          | 74.0-125         |                      |
| 1,1-Dichloropropene            | 0.125                 | 0.114               | 91.2          | 73.0-125         |                      |
| 1,3-Dichloropropane            | 0.125                 | 0.147               | 118           | 80.0-125         |                      |
| cis-1,3-Dichloropropene        | 0.125                 | 0.115               | 92.0          | 76.0-127         |                      |
| trans-1,3-Dichloropropene      | 0.125                 | 0.135               | 108           | 73.0-127         |                      |
| 2,2-Dichloropropane            | 0.125                 | 0.128               | 102           | 59.0-135         |                      |
| Di-isopropyl ether             | 0.125                 | 0.154               | 123           | 60.0-136         |                      |
| Hexachloro-1,3-butadiene       | 0.125                 | 0.110               | 88.0          | 57.0-150         |                      |
| p-Isopropyltoluene             | 0.125                 | 0.123               | 98.4          | 72.0-133         |                      |
| 2-Butanone (MEK)               | 0.625                 | 0.794               | 127           | 30.0-160         |                      |
| Methylene Chloride             | 0.125                 | 0.129               | 103           | 68.0-123         |                      |
| 4-Methyl-2-pentanone (MIBK)    | 0.625                 | 0.974               | 156           | 56.0-143         | J4                   |
| Methyl tert-butyl ether        | 0.125                 | 0.116               | 92.8          | 66.0-132         |                      |
| Styrene                        | 0.125                 | 0.127               | 102           | 72.0-127         |                      |
| 1,1,1,2-Tetrachloroethane      | 0.125                 | 0.132               | 106           | 74.0-129         |                      |
| 1,1,2,2-Tetrachloroethane      | 0.125                 | 0.147               | 118           | 68.0-128         |                      |
| 1,1,2-Trichlorotrifluoroethane | 0.125                 | 0.106               | 84.8          | 61.0-139         |                      |
| Toluene                        | 0.125                 | 0.139               | 111           | 75.0-121         |                      |
| 1,2,3-Trichlorobenzene         | 0.125                 | 0.107               | 85.6          | 59.0-139         |                      |
| 1,2,4-Trichlorobenzene         | 0.125                 | 0.127               | 102           | 62.0-137         |                      |
| 1,1,1-Trichloroethane          | 0.125                 | 0.122               | 97.6          | 69.0-126         |                      |
| 1,1,2-Trichloroethane          | 0.125                 | 0.149               | 119           | 78.0-123         |                      |
| Trichloroethene                | 0.125                 | 0.133               | 106           | 76.0-126         |                      |
| Trichlorofluoromethane         | 0.125                 | 0.0882              | 70.6          | 61.0-142         |                      |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3796784-1 05/26/22 22:55

| Analyte                          | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|----------------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| 1,2,3-Trichloropropane           | 0.125                 | 0.156               | 125           | 67.0-129         |                      |
| Vinyl chloride                   | 0.125                 | 0.126               | 101           | 63.0-134         |                      |
| <i>(S) Toluene-d8</i>            |                       |                     | 110           | 75.0-131         |                      |
| <i>(S) 4-Bromofluorobenzene</i>  |                       |                     | 85.0          | 67.0-138         |                      |
| <i>(S) 1,2-Dichloroethane-d4</i> |                       |                     | 108           | 70.0-130         |                      |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3796703-3 05/27/22 00:20

| Analyte                     | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| Acetone                     | U                  |              | 0.0365          | 0.122           |
| Acrylonitrile               | U                  |              | 0.00361         | 0.0120          |
| Benzene                     | U                  |              | 0.000467        | 0.00156         |
| Bromobenzene                | U                  |              | 0.000900        | 0.00300         |
| Bromodichloromethane        | U                  |              | 0.000725        | 0.00242         |
| Bromoform                   | U                  |              | 0.00117         | 0.00390         |
| Bromomethane                | U                  |              | 0.00197         | 0.00657         |
| n-Butylbenzene              | U                  |              | 0.00525         | 0.0175          |
| sec-Butylbenzene            | U                  |              | 0.00288         | 0.00960         |
| tert-Butylbenzene           | U                  |              | 0.00195         | 0.00650         |
| Carbon tetrachloride        | U                  |              | 0.000898        | 0.00299         |
| Chlorobenzene               | U                  |              | 0.000210        | 0.000700        |
| Chlorodibromomethane        | U                  |              | 0.000612        | 0.00204         |
| Chloroethane                | U                  |              | 0.00170         | 0.00567         |
| Chloroform                  | U                  |              | 0.00103         | 0.00343         |
| Chloromethane               | U                  |              | 0.00435         | 0.0145          |
| 2-Chlorotoluene             | U                  |              | 0.000865        | 0.00288         |
| 4-Chlorotoluene             | U                  |              | 0.000450        | 0.00150         |
| 1,2-Dibromo-3-Chloropropane | U                  |              | 0.00390         | 0.0130          |
| 1,2-Dibromoethane           | U                  |              | 0.000648        | 0.00216         |
| Dibromomethane              | U                  |              | 0.000750        | 0.00250         |
| 1,2-Dichlorobenzene         | U                  |              | 0.000425        | 0.00142         |
| 1,3-Dichlorobenzene         | U                  |              | 0.000600        | 0.00200         |
| 1,4-Dichlorobenzene         | U                  |              | 0.000700        | 0.00233         |
| Dichlorodifluoromethane     | U                  |              | 0.00161         | 0.00537         |
| 1,1-Dichloroethane          | U                  |              | 0.000491        | 0.00164         |
| 1,2-Dichloroethane          | U                  |              | 0.000649        | 0.00216         |
| 1,1-Dichloroethene          | U                  |              | 0.000606        | 0.00202         |
| cis-1,2-Dichloroethene      | U                  |              | 0.000734        | 0.00245         |
| trans-1,2-Dichloroethene    | U                  |              | 0.00104         | 0.00347         |
| 1,2-Dichloropropane         | U                  |              | 0.00142         | 0.00473         |
| 1,1-Dichloropropene         | U                  |              | 0.000809        | 0.00270         |
| 1,3-Dichloropropane         | U                  |              | 0.000501        | 0.00167         |
| cis-1,3-Dichloropropene     | U                  |              | 0.000757        | 0.00252         |
| trans-1,3-Dichloropropene   | U                  |              | 0.00114         | 0.00380         |
| 2,2-Dichloropropane         | U                  |              | 0.00138         | 0.00460         |
| Di-isopropyl ether          | U                  |              | 0.000410        | 0.00137         |
| Ethylbenzene                | U                  |              | 0.000737        | 0.00246         |
| Hexachloro-1,3-butadiene    | U                  |              | 0.00600         | 0.0200          |
| Isopropylbenzene            | U                  |              | 0.000425        | 0.00142         |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3796703-3 05/27/22 00:20

| Analyte                        | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|--------------------------------|--------------------|--------------|-----------------|-----------------|
| p-Isopropyltoluene             | U                  |              | 0.00255         | 0.00850         |
| 2-Butanone (MEK)               | U                  |              | 0.0635          | 0.212           |
| Methylene Chloride             | U                  |              | 0.00664         | 0.0221          |
| 4-Methyl-2-pentanone (MIBK)    | U                  |              | 0.00228         | 0.00760         |
| Methyl tert-butyl ether        | U                  |              | 0.000350        | 0.00117         |
| Naphthalene                    | U                  |              | 0.00488         | 0.0163          |
| n-Propylbenzene                | U                  |              | 0.000950        | 0.00317         |
| Styrene                        | U                  |              | 0.000229        | 0.000763        |
| 1,1,1,2-Tetrachloroethane      | U                  |              | 0.000948        | 0.00316         |
| 1,1,2,2-Tetrachloroethane      | U                  |              | 0.000695        | 0.00232         |
| 1,1,2-Trichlorotrifluoroethane | U                  |              | 0.000754        | 0.00251         |
| Tetrachloroethene              | U                  |              | 0.000896        | 0.00299         |
| Toluene                        | U                  |              | 0.00130         | 0.00433         |
| 1,2,3-Trichlorobenzene         | U                  |              | 0.00733         | 0.0244          |
| 1,2,4-Trichlorobenzene         | U                  |              | 0.00440         | 0.0147          |
| 1,1,1-Trichloroethane          | U                  |              | 0.000923        | 0.00308         |
| 1,1,2-Trichloroethane          | U                  |              | 0.000597        | 0.00199         |
| Trichloroethene                | U                  |              | 0.000584        | 0.00195         |
| Trichlorofluoromethane         | U                  |              | 0.000827        | 0.00276         |
| 1,2,3-Trichloropropane         | U                  |              | 0.00162         | 0.00540         |
| 1,2,4-Trimethylbenzene         | 0.00213            | U            | 0.00158         | 0.00527         |
| 1,2,3-Trimethylbenzene         | U                  |              | 0.00158         | 0.00527         |
| 1,3,5-Trimethylbenzene         | U                  |              | 0.00200         | 0.00667         |
| Vinyl chloride                 | U                  |              | 0.00116         | 0.00387         |
| Xylenes, Total                 | U                  |              | 0.000880        | 0.00293         |
| (S) Toluene-d8                 | 101                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene       | 105                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4      | 96.4               |              |                 | 70.0-130        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3796703-1 05/26/22 22:07 • (LCSD) R3796703-2 05/26/22 23:42

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone              | 0.625                 | 0.388               | 0.371                | 62.1          | 59.4           | 10.0-160         |               |                | 4.48     | 31              |
| Acrylonitrile        | 0.625                 | 0.441               | 0.423                | 70.6          | 67.7           | 45.0-153         |               |                | 4.17     | 22              |
| Benzene              | 0.125                 | 0.113               | 0.118                | 90.4          | 94.4           | 70.0-123         |               |                | 4.33     | 20              |
| Bromobenzene         | 0.125                 | 0.116               | 0.115                | 92.8          | 92.0           | 73.0-121         |               |                | 0.866    | 20              |
| Bromodichloromethane | 0.125                 | 0.118               | 0.123                | 94.4          | 98.4           | 73.0-121         |               |                | 4.15     | 20              |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3796703-1 05/26/22 22:07 • (LCSD) R3796703-2 05/26/22 23:42

| Analyte                     | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|-----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Bromoform                   | 0.125                 | 0.106               | 0.105                | 84.8          | 84.0           | 64.0-132         |                      |                       | 0.948    | 20              |
| Bromomethane                | 0.125                 | 0.105               | 0.108                | 84.0          | 86.4           | 56.0-147         |                      |                       | 2.82     | 20              |
| n-Butylbenzene              | 0.125                 | 0.113               | 0.110                | 90.4          | 88.0           | 68.0-135         |                      |                       | 2.69     | 20              |
| sec-Butylbenzene            | 0.125                 | 0.116               | 0.114                | 92.8          | 91.2           | 74.0-130         |                      |                       | 1.74     | 20              |
| tert-Butylbenzene           | 0.125                 | 0.106               | 0.107                | 84.8          | 85.6           | 75.0-127         |                      |                       | 0.939    | 20              |
| Carbon tetrachloride        | 0.125                 | 0.123               | 0.127                | 98.4          | 102            | 66.0-128         |                      |                       | 3.20     | 20              |
| Chlorobenzene               | 0.125                 | 0.119               | 0.119                | 95.2          | 95.2           | 76.0-128         |                      |                       | 0.000    | 20              |
| Chlorodibromomethane        | 0.125                 | 0.114               | 0.115                | 91.2          | 92.0           | 74.0-127         |                      |                       | 0.873    | 20              |
| Chloroethane                | 0.125                 | 0.137               | 0.145                | 110           | 116            | 61.0-134         |                      |                       | 5.67     | 20              |
| Chloroform                  | 0.125                 | 0.123               | 0.128                | 98.4          | 102            | 72.0-123         |                      |                       | 3.98     | 20              |
| Chloromethane               | 0.125                 | 0.135               | 0.143                | 108           | 114            | 51.0-138         |                      |                       | 5.76     | 20              |
| 2-Chlorotoluene             | 0.125                 | 0.107               | 0.109                | 85.6          | 87.2           | 75.0-124         |                      |                       | 1.85     | 20              |
| 4-Chlorotoluene             | 0.125                 | 0.106               | 0.108                | 84.8          | 86.4           | 75.0-124         |                      |                       | 1.87     | 20              |
| 1,2-Dibromo-3-Chloropropane | 0.125                 | 0.0787              | 0.0788               | 63.0          | 63.0           | 59.0-130         |                      |                       | 0.127    | 20              |
| 1,2-Dibromoethane           | 0.125                 | 0.114               | 0.114                | 91.2          | 91.2           | 74.0-128         |                      |                       | 0.000    | 20              |
| Dibromomethane              | 0.125                 | 0.115               | 0.117                | 92.0          | 93.6           | 75.0-122         |                      |                       | 1.72     | 20              |
| 1,2-Dichlorobenzene         | 0.125                 | 0.119               | 0.114                | 95.2          | 91.2           | 76.0-124         |                      |                       | 4.29     | 20              |
| 1,3-Dichlorobenzene         | 0.125                 | 0.119               | 0.118                | 95.2          | 94.4           | 76.0-125         |                      |                       | 0.844    | 20              |
| 1,4-Dichlorobenzene         | 0.125                 | 0.114               | 0.113                | 91.2          | 90.4           | 77.0-121         |                      |                       | 0.881    | 20              |
| Dichlorodifluoromethane     | 0.125                 | 0.118               | 0.118                | 94.4          | 94.4           | 43.0-156         |                      |                       | 0.000    | 20              |
| 1,1-Dichloroethane          | 0.125                 | 0.117               | 0.121                | 93.6          | 96.8           | 70.0-127         |                      |                       | 3.36     | 20              |
| 1,2-Dichloroethane          | 0.125                 | 0.120               | 0.119                | 96.0          | 95.2           | 65.0-131         |                      |                       | 0.837    | 20              |
| 1,1-Dichloroethene          | 0.125                 | 0.120               | 0.120                | 96.0          | 96.0           | 65.0-131         |                      |                       | 0.000    | 20              |
| cis-1,2-Dichloroethene      | 0.125                 | 0.129               | 0.134                | 103           | 107            | 73.0-125         |                      |                       | 3.80     | 20              |
| trans-1,2-Dichloroethene    | 0.125                 | 0.134               | 0.140                | 107           | 112            | 71.0-125         |                      |                       | 4.38     | 20              |
| 1,2-Dichloropropane         | 0.125                 | 0.107               | 0.110                | 85.6          | 88.0           | 74.0-125         |                      |                       | 2.76     | 20              |
| 1,1-Dichloropropene         | 0.125                 | 0.133               | 0.134                | 106           | 107            | 73.0-125         |                      |                       | 0.749    | 20              |
| 1,3-Dichloropropane         | 0.125                 | 0.114               | 0.113                | 91.2          | 90.4           | 80.0-125         |                      |                       | 0.881    | 20              |
| cis-1,3-Dichloropropene     | 0.125                 | 0.111               | 0.116                | 88.8          | 92.8           | 76.0-127         |                      |                       | 4.41     | 20              |
| trans-1,3-Dichloropropene   | 0.125                 | 0.111               | 0.115                | 88.8          | 92.0           | 73.0-127         |                      |                       | 3.54     | 20              |
| 2,2-Dichloropropane         | 0.125                 | 0.134               | 0.146                | 107           | 117            | 59.0-135         |                      |                       | 8.57     | 20              |
| Di-isopropyl ether          | 0.125                 | 0.118               | 0.116                | 94.4          | 92.8           | 60.0-136         |                      |                       | 1.71     | 20              |
| Ethylbenzene                | 0.125                 | 0.115               | 0.119                | 92.0          | 95.2           | 74.0-126         |                      |                       | 3.42     | 20              |
| Hexachloro-1,3-butadiene    | 0.125                 | 0.132               | 0.144                | 106           | 115            | 57.0-150         |                      |                       | 8.70     | 20              |
| Isopropylbenzene            | 0.125                 | 0.128               | 0.127                | 102           | 102            | 72.0-127         |                      |                       | 0.784    | 20              |
| p-Isopropyltoluene          | 0.125                 | 0.107               | 0.105                | 85.6          | 84.0           | 72.0-133         |                      |                       | 1.89     | 20              |
| 2-Butanone (MEK)            | 0.625                 | 0.459               | 0.458                | 73.4          | 73.3           | 30.0-160         |                      |                       | 0.218    | 24              |
| Methylene Chloride          | 0.125                 | 0.116               | 0.115                | 92.8          | 92.0           | 68.0-123         |                      |                       | 0.866    | 20              |
| 4-Methyl-2-pentanone (MIBK) | 0.625                 | 0.503               | 0.499                | 80.5          | 79.8           | 56.0-143         |                      |                       | 0.798    | 20              |
| Methyl tert-butyl ether     | 0.125                 | 0.124               | 0.118                | 99.2          | 94.4           | 66.0-132         |                      |                       | 4.96     | 20              |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3796703-1 05/26/22 22:07 • (LCSD) R3796703-2 05/26/22 23:42

| Analyte                        | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|--------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Naphthalene                    | 0.125                 | 0.109               | 0.0981               | 87.2          | 78.5           | 59.0-130         |                      |                       | 10.5     | 20              |
| n-Propylbenzene                | 0.125                 | 0.112               | 0.113                | 89.6          | 90.4           | 74.0-126         |                      |                       | 0.889    | 20              |
| Styrene                        | 0.125                 | 0.117               | 0.118                | 93.6          | 94.4           | 72.0-127         |                      |                       | 0.851    | 20              |
| 1,1,1,2-Tetrachloroethane      | 0.125                 | 0.117               | 0.117                | 93.6          | 93.6           | 74.0-129         |                      |                       | 0.000    | 20              |
| 1,1,2,2-Tetrachloroethane      | 0.125                 | 0.0968              | 0.100                | 77.4          | 80.0           | 68.0-128         |                      |                       | 3.25     | 20              |
| 1,1,2-Trichlorotrifluoroethane | 0.125                 | 0.129               | 0.131                | 103           | 105            | 61.0-139         |                      |                       | 1.54     | 20              |
| Tetrachloroethene              | 0.125                 | 0.133               | 0.134                | 106           | 107            | 70.0-136         |                      |                       | 0.749    | 20              |
| Toluene                        | 0.125                 | 0.118               | 0.123                | 94.4          | 98.4           | 75.0-121         |                      |                       | 4.15     | 20              |
| 1,2,3-Trichlorobenzene         | 0.125                 | 0.114               | 0.106                | 91.2          | 84.8           | 59.0-139         |                      |                       | 7.27     | 20              |
| 1,2,4-Trichlorobenzene         | 0.125                 | 0.132               | 0.127                | 106           | 102            | 62.0-137         |                      |                       | 3.86     | 20              |
| 1,1,1-Trichloroethane          | 0.125                 | 0.141               | 0.145                | 113           | 116            | 69.0-126         |                      |                       | 2.80     | 20              |
| 1,1,2-Trichloroethane          | 0.125                 | 0.117               | 0.119                | 93.6          | 95.2           | 78.0-123         |                      |                       | 1.69     | 20              |
| Trichloroethene                | 0.125                 | 0.144               | 0.140                | 115           | 112            | 76.0-126         |                      |                       | 2.82     | 20              |
| Trichlorofluoromethane         | 0.125                 | 0.122               | 0.122                | 97.6          | 97.6           | 61.0-142         |                      |                       | 0.000    | 20              |
| 1,2,3-Trichloropropane         | 0.125                 | 0.104               | 0.104                | 83.2          | 83.2           | 67.0-129         |                      |                       | 0.000    | 20              |
| 1,2,4-Trimethylbenzene         | 0.125                 | 0.114               | 0.113                | 91.2          | 90.4           | 70.0-126         |                      |                       | 0.881    | 20              |
| 1,2,3-Trimethylbenzene         | 0.125                 | 0.109               | 0.105                | 87.2          | 84.0           | 74.0-124         |                      |                       | 3.74     | 20              |
| 1,3,5-Trimethylbenzene         | 0.125                 | 0.110               | 0.110                | 88.0          | 88.0           | 73.0-127         |                      |                       | 0.000    | 20              |
| Vinyl chloride                 | 0.125                 | 0.118               | 0.122                | 94.4          | 97.6           | 63.0-134         |                      |                       | 3.33     | 20              |
| Xylenes, Total                 | 0.375                 | 0.352               | 0.351                | 93.9          | 93.6           | 72.0-127         |                      |                       | 0.284    | 20              |
| (S) Toluene-d8                 |                       |                     |                      | 100           | 100            | 75.0-131         |                      |                       |          |                 |
| (S) 4-Bromofluorobenzene       |                       |                     |                      | 105           | 104            | 67.0-138         |                      |                       |          |                 |
| (S) 1,2-Dichloroethane-d4      |                       |                     |                      | 102           | 102            | 70.0-130         |                      |                       |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3796960-3 05/27/22 11:24

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Ethylbenzene              | U                  |              | 0.000737        | 0.00246         |
| Isopropylbenzene          | U                  |              | 0.000425        | 0.00142         |
| Naphthalene               | U                  |              | 0.00488         | 0.0163          |
| n-Propylbenzene           | U                  |              | 0.000950        | 0.00317         |
| Tetrachloroethene         | U                  |              | 0.000896        | 0.00299         |
| 1,2,4-Trimethylbenzene    | U                  |              | 0.00158         | 0.00527         |
| 1,2,3-Trimethylbenzene    | U                  |              | 0.00158         | 0.00527         |
| 1,3,5-Trimethylbenzene    | U                  |              | 0.00200         | 0.00667         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00293         |
| (S) Toluene-d8            | 100                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 101                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 112                |              |                 | 70.0-130        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3796960-1 05/27/22 09:48 • (LCSD) R3796960-2 05/27/22 10:08

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethylbenzene              | 0.125                 | 0.117               | 0.115                | 93.6          | 92.0           | 74.0-126         |               |                | 1.72     | 20              |
| Isopropylbenzene          | 0.125                 | 0.116               | 0.111                | 92.8          | 88.8           | 72.0-127         |               |                | 4.41     | 20              |
| Naphthalene               | 0.125                 | 0.0989              | 0.106                | 79.1          | 84.8           | 59.0-130         |               |                | 6.93     | 20              |
| n-Propylbenzene           | 0.125                 | 0.105               | 0.105                | 84.0          | 84.0           | 74.0-126         |               |                | 0.000    | 20              |
| Tetrachloroethene         | 0.125                 | 0.117               | 0.117                | 93.6          | 93.6           | 70.0-136         |               |                | 0.000    | 20              |
| 1,2,4-Trimethylbenzene    | 0.125                 | 0.102               | 0.104                | 81.6          | 83.2           | 70.0-126         |               |                | 1.94     | 20              |
| 1,2,3-Trimethylbenzene    | 0.125                 | 0.107               | 0.110                | 85.6          | 88.0           | 74.0-124         |               |                | 2.76     | 20              |
| 1,3,5-Trimethylbenzene    | 0.125                 | 0.109               | 0.111                | 87.2          | 88.8           | 73.0-127         |               |                | 1.82     | 20              |
| Xylenes, Total            | 0.375                 | 0.344               | 0.336                | 91.7          | 89.6           | 72.0-127         |               |                | 2.35     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 101           | 98.6           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 103           | 102            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 112           | 113            | 70.0-130         |               |                |          |                 |

Method Blank (MB)

(MB) R3798209-2 06/01/22 00:44

| Analyte                | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------|--------------------|--------------|-----------------|-----------------|
| Anthracene             | U                  |              | 0.00230         | 0.00767         |
| Acenaphthene           | U                  |              | 0.00209         | 0.00697         |
| Acenaphthylene         | U                  |              | 0.00216         | 0.00720         |
| Benzo(a)anthracene     | U                  |              | 0.00173         | 0.00577         |
| Benzo(a)pyrene         | U                  |              | 0.00179         | 0.00597         |
| Benzo(b)fluoranthene   | U                  |              | 0.00153         | 0.00510         |
| Benzo(g,h,i)perylene   | U                  |              | 0.00177         | 0.00590         |
| Benzo(k)fluoranthene   | U                  |              | 0.00215         | 0.00717         |
| Chrysene               | U                  |              | 0.00232         | 0.00773         |
| Dibenz(a,h)anthracene  | U                  |              | 0.00172         | 0.00573         |
| Fluoranthene           | U                  |              | 0.00227         | 0.00757         |
| Fluorene               | U                  |              | 0.00205         | 0.00683         |
| Indeno(1,2,3-cd)pyrene | U                  |              | 0.00181         | 0.00603         |
| Naphthalene            | U                  |              | 0.00408         | 0.0136          |
| Phenanthrene           | U                  |              | 0.00231         | 0.00770         |
| Pyrene                 | U                  |              | 0.00200         | 0.00667         |
| 1-Methylnaphthalene    | U                  |              | 0.00449         | 0.0150          |
| 2-Methylnaphthalene    | U                  |              | 0.00427         | 0.0142          |
| 2-Chloronaphthalene    | U                  |              | 0.00466         | 0.0155          |
| (S) p-Terphenyl-d14    | 95.6               |              |                 | 23.0-120        |
| (S) Nitrobenzene-d5    | 73.1               |              |                 | 14.0-149        |
| (S) 2-Fluorobiphenyl   | 78.9               |              |                 | 34.0-125        |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R3798209-1 06/01/22 00:26

| Analyte               | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|-----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Anthracene            | 0.0800                | 0.0544              | 68.0          | 50.0-126         |               |
| Acenaphthene          | 0.0800                | 0.0575              | 71.9          | 50.0-120         |               |
| Acenaphthylene        | 0.0800                | 0.0581              | 72.6          | 50.0-120         |               |
| Benzo(a)anthracene    | 0.0800                | 0.0536              | 67.0          | 45.0-120         |               |
| Benzo(a)pyrene        | 0.0800                | 0.0465              | 58.1          | 42.0-120         |               |
| Benzo(b)fluoranthene  | 0.0800                | 0.0561              | 70.1          | 42.0-121         |               |
| Benzo(g,h,i)perylene  | 0.0800                | 0.0545              | 68.1          | 45.0-125         |               |
| Benzo(k)fluoranthene  | 0.0800                | 0.0544              | 68.0          | 49.0-125         |               |
| Chrysene              | 0.0800                | 0.0564              | 70.5          | 49.0-122         |               |
| Dibenz(a,h)anthracene | 0.0800                | 0.0551              | 68.9          | 47.0-125         |               |
| Fluoranthene          | 0.0800                | 0.0561              | 70.1          | 49.0-129         |               |



Laboratory Control Sample (LCS)

(LCS) R3798209-1 06/01/22 00:26

| Analyte                | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Fluorene               | 0.0800                | 0.0590              | 73.8          | 49.0-120         |                      |
| Indeno(1,2,3-cd)pyrene | 0.0800                | 0.0531              | 66.4          | 46.0-125         |                      |
| Naphthalene            | 0.0800                | 0.0564              | 70.5          | 50.0-120         |                      |
| Phenanthrene           | 0.0800                | 0.0584              | 73.0          | 47.0-120         |                      |
| Pyrene                 | 0.0800                | 0.0556              | 69.5          | 43.0-123         |                      |
| 1-Methylnaphthalene    | 0.0800                | 0.0573              | 71.6          | 51.0-121         |                      |
| 2-Methylnaphthalene    | 0.0800                | 0.0550              | 68.8          | 50.0-120         |                      |
| 2-Chloronaphthalene    | 0.0800                | 0.0583              | 72.9          | 50.0-120         |                      |
| (S) p-Terphenyl-d14    |                       |                     | 90.4          | 23.0-120         |                      |
| (S) Nitrobenzene-d5    |                       |                     | 74.1          | 14.0-149         |                      |
| (S) 2-Fluorobiphenyl   |                       |                     | 75.3          | 34.0-125         |                      |

L1496684-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1496684-03 06/01/22 04:53 • (MS) R3798209-3 06/01/22 05:11 • (MSD) R3798209-4 06/01/22 05:29

| Analyte                | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Anthracene             | 0.0777                | ND                       | 0.0444             | 0.0487              | 57.2         | 63.4          | 1        | 10.0-145         |                     |                      | 9.24     | 30              |
| Acenaphthene           | 0.0777                | ND                       | 0.0442             | 0.0483              | 57.0         | 62.9          | 1        | 14.0-127         |                     |                      | 8.86     | 27              |
| Acenaphthylene         | 0.0777                | ND                       | 0.0468             | 0.0521              | 60.3         | 67.8          | 1        | 21.0-124         |                     |                      | 10.7     | 25              |
| Benzo(a)anthracene     | 0.0777                | ND                       | 0.0450             | 0.0494              | 58.0         | 64.3          | 1        | 10.0-139         |                     |                      | 9.32     | 30              |
| Benzo(a)pyrene         | 0.0777                | ND                       | 0.0393             | 0.0437              | 50.6         | 56.9          | 1        | 10.0-141         |                     |                      | 10.6     | 31              |
| Benzo(b)fluoranthene   | 0.0777                | ND                       | 0.0378             | 0.0415              | 48.7         | 54.0          | 1        | 10.0-140         |                     |                      | 9.33     | 36              |
| Benzo(g,h,i)perylene   | 0.0777                | ND                       | 0.0357             | 0.0403              | 46.0         | 52.5          | 1        | 10.0-140         |                     |                      | 12.1     | 33              |
| Benzo(k)fluoranthene   | 0.0777                | ND                       | 0.0391             | 0.0425              | 50.4         | 55.3          | 1        | 10.0-137         |                     |                      | 8.33     | 31              |
| Chrysene               | 0.0777                | ND                       | 0.0426             | 0.0465              | 54.9         | 60.5          | 1        | 10.0-145         |                     |                      | 8.75     | 30              |
| Dibenz(a,h)anthracene  | 0.0777                | ND                       | 0.0366             | 0.0416              | 47.2         | 54.2          | 1        | 10.0-132         |                     |                      | 12.8     | 31              |
| Fluoranthene           | 0.0777                | ND                       | 0.0457             | 0.0505              | 58.9         | 65.8          | 1        | 10.0-153         |                     |                      | 9.98     | 33              |
| Fluorene               | 0.0777                | ND                       | 0.0470             | 0.0522              | 60.6         | 68.0          | 1        | 11.0-130         |                     |                      | 10.5     | 29              |
| Indeno(1,2,3-cd)pyrene | 0.0777                | ND                       | 0.0383             | 0.0421              | 49.4         | 54.8          | 1        | 10.0-137         |                     |                      | 9.45     | 32              |
| Naphthalene            | 0.0777                | ND                       | 0.0428             | 0.0479              | 55.2         | 62.4          | 1        | 10.0-135         |                     |                      | 11.2     | 27              |
| Phenanthrene           | 0.0777                | ND                       | 0.0439             | 0.0477              | 56.6         | 62.1          | 1        | 10.0-144         |                     |                      | 8.30     | 31              |
| Pyrene                 | 0.0777                | ND                       | 0.0404             | 0.0446              | 52.1         | 58.1          | 1        | 10.0-148         |                     |                      | 9.88     | 35              |
| 1-Methylnaphthalene    | 0.0777                | ND                       | 0.0443             | 0.0494              | 57.1         | 64.3          | 1        | 10.0-142         |                     |                      | 10.9     | 28              |
| 2-Methylnaphthalene    | 0.0777                | ND                       | 0.0429             | 0.0480              | 55.3         | 62.5          | 1        | 10.0-137         |                     |                      | 11.2     | 28              |
| 2-Chloronaphthalene    | 0.0777                | ND                       | 0.0429             | 0.0483              | 55.3         | 62.9          | 1        | 29.0-120         |                     |                      | 11.8     | 24              |
| (S) p-Terphenyl-d14    |                       |                          |                    |                     | 67.1         | 73.8          |          | 23.0-120         |                     |                      |          |                 |
| (S) Nitrobenzene-d5    |                       |                          |                    |                     | 75.3         | 82.4          |          | 14.0-149         |                     |                      |          |                 |
| (S) 2-Fluorobiphenyl   |                       |                          |                    |                     | 58.0         | 66.2          |          | 34.0-125         |                     |                      |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

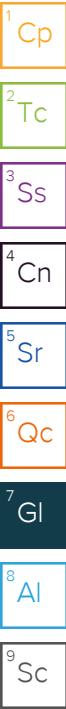
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

|                              |  |
|------------------------------|--|
| MDL                          | Method Detection Limit.  |
| ND                           | Not detected at the Reporting Limit (or MDL where applicable).   |
| RDL                          | Reported Detection Limit.  |
| Rec.                         | Recovery.  |
| RPD                          | Relative Percent Difference.   |
| SDG                          | Sample Delivery Group.   |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.   |
| U                            | Not detected at the Reporting Limit (or MDL where applicable).   |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.   |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.  |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.  |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.  |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.   |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.  |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.  |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.  |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.   |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.  |

### Qualifier Description

|    |   |
|----|---|
| J  | The identification of the analyte is acceptable; the reported value is an estimate.     |
| J4 | The associated batch QC was outside the established quality control range for accuracy. |



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                               |             |                             |                  |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama                       | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                        | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                       | AZ0612      | New Hampshire               | 2975             |
| Arkansas                      | 88-0469     | New Jersey–NELAP            | TN002            |
| California                    | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                      | TN00003     | New York                    | 11742            |
| Connecticut                   | PH-0197     | North Carolina              | Env375           |
| Florida                       | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                       | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>          | 923         | North Dakota                | R-140            |
| Idaho                         | TN00003     | Ohio–VAP                    | CL0069           |
| Illinois                      | 200008      | Oklahoma                    | 9915             |
| Indiana                       | C-TN-01     | Oregon                      | TN200002         |
| Iowa                          | 364         | Pennsylvania                | 68-02979         |
| Kansas                        | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1,6</sup>       | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>         | 16          | South Dakota                | n/a              |
| Louisiana                     | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana                     | LA018       | Texas                       | T104704245-20-18 |
| Maine                         | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                      | 324         | Utah                        | TN000032021-11   |
| Massachusetts                 | M-TN003     | Vermont                     | VT2006           |
| Michigan                      | 9958        | Virginia                    | 110033           |
| Minnesota                     | 047-999-395 | Washington                  | C847             |
| Mississippi                   | TN00003     | West Virginia               | 233              |
| Missouri                      | 340         | Wisconsin                   | 998093910        |
| Montana                       | CERT0086    | Wyoming                     | A2LA             |
| A2LA – ISO 17025              | 1461.01     | AIHA-LAP,LLC EMLAP          | 100789           |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                        | 1461.01     | USDA                        | P330-15-00234    |
| EPA–Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Company Name/Address:  
**Lord and Winter, LLC**  
 231 Public Square  
 Suite 300 - PMB44  
 Franklin, TN 37064

Billing Information:  
 Accounts Payable  
 231 Public Square  
 Suite 300 - PMB44  
 Franklin, TN 37064  
 Email To: Jonathan.odekirk@lordandwinter.com

Pres  
 Chk

Report to:  
**Jonathan Odekirk**

Project Description:  
 802 W Main-Ashland

City/State Collected:  
 \_\_\_\_\_

Please Circle:  
 PT MT CI ET

Phone: 850-502-6434

Client Project #  
 411

Lab Project #  
 LORWINNTN-WI

Collected by (print):  
**D. WINTER**

Site/Facility ID #  
 ASHLAND, WISCONSIN

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)  
 Same Day  Five Day  
 Next Day  5 Day (Rad Only)  
 Two Day  10 Day (Rad Only)  
 Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N  Y

No. of Cntrs

| Sample ID | Comp/Grab | Matrix * | Depth | Date    | Time | No. of Cntrs |
|-----------|-----------|----------|-------|---------|------|--------------|
|           |           | GW       |       |         |      |              |
|           |           | GW       |       |         |      |              |
|           |           | GW       |       |         |      |              |
| B1-10-15  | G         | • SS     | 10-15 | 5-19-22 | 1030 | 3            |
| B2-10-15  | G         | • SS     | 10-15 | ↓       | 1130 | 3            |
|           |           | GW       |       |         |      | N            |

| Analysis / Container / Preservative |                       |                          |                            |                   |                       |                            |
|-------------------------------------|-----------------------|--------------------------|----------------------------|-------------------|-----------------------|----------------------------|
| 8270PAHSIM 100ml Amb-NoPres         | MRCRA8 250mlHDPE-HNO3 | MRCRA8, TS 4ozClr-NoPres | SV8270PAHSIM 4ozClr-NoPres | V8260 40mlAmb-HCl | V8260 40mlAmb-HCl-Blk | V8260 40mlAmb/MeOH10ml/Syr |

Chain of Custody Page \_\_\_ of \_\_\_

**Pace**  
 PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**

12065 Lebanon Rd Mount Juliet, TN 37122  
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **L1496601**

Tat **C006**

Acctnum: **LORWINNTN**

Template: **T209186**

Prelogin: **P924020**

PM: **3500 - Jennifer Gambill**

PB: **BW 5/11**

Shipped Via: **Courier**

Remarks | Sample # (lab only)

\* Matrix:  
 SS - Soil AIR - Air F - Filter  
 GW - Groundwater B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

**Sample Receipt Checklist**

COC Seal Present/Intact:  NP  Y  N

COC Signed/Accurate:  Y  N

Bottles arrive intact:  Y  N

Correct bottles used:  Y  N

Sufficient volume sent:  Y  N

**If Applicable**

VOA Zero Headspace:  Y  N

Preservation Correct/Checked:  Y  N

RAD Screen <0.5 mR/hr:  Y  N

| Relinquished by: (Signature) | Date:   | Time: | Received by: (Signature)         | Trip Blank Received: Yes / No                   |
|------------------------------|---------|-------|----------------------------------|---|
|                              | 5-19-22 | 1300  |                                  | Yes / No  |
| Relinquished by: (Signature) | Date:   | Time: | Received by: (Signature)         | Temp: <b>DRAB °C</b> Bottles Received: <b>6</b> |
| Relinquished by: (Signature) | Date:   | Time: | Received for lab by: (Signature) | Date: <b>5/20/22</b> Time: <b>0900</b>          |

If preservation required by Login: Date/Time

Hold:

Condition: **NCF / OK**



## **ATTACHMENT F – SOIL VAPOR ANALYTICAL RESULTS**

**Lord and Winter, LLC**

Sample Delivery Group: L1496163  
Samples Received: 05/20/2022  
Project Number: 611  
Description: 802 W Main-Ashland  
Site: ASHLAND, WISCONSIN  
Report To: Jonathan Odekirk  
231 Public Square  
Suite 300 - PMB44  
Franklin, TN 37064

Entire Report Reviewed By:






Jennifer Gambill  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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# SAMPLE SUMMARY

SV1 L1496163-01 Air

Collected by: David Winter  
 Collected date/time: 05/19/22 12:03  
 Received date/time: 05/20/22 09:00

| Method  | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (MS) by Method TO-15 | WG1868580 | 1        | 05/24/22 23:41        | 05/24/22 23:41     | FKG     | Mt. Juliet, TN |
| Volatile Organic Compounds (MS) by Method TO-15 | WG1869364 | 10       | 05/25/22 17:04        | 05/25/22 17:04     | CEP     | Mt. Juliet, TN |

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> Gl
- <sup>8</sup> Al
- <sup>9</sup> Sc



# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                        | CAS #      | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch     |
|--------------------------------|------------|----------|--------------|---------------|----------------|-----------------|-----------|----------|-----------|
| Acetone                        | 67-64-1    | 58.10    | 19.5         | 46.3          | 140            | 333             |           | 10       | WG1869364 |
| Allyl chloride                 | 107-05-1   | 76.53    | 0.380        | 1.19          | ND             | ND              |           | 1        | WG1868580 |
| Benzene                        | 71-43-2    | 78.10    | 0.238        | 0.760         | 1.21           | 3.87            |           | 1        | WG1868580 |
| Benzyl Chloride                | 100-44-7   | 127      | 0.199        | 1.03          | ND             | ND              |           | 1        | WG1868580 |
| Bromodichloromethane           | 75-27-4    | 164      | 0.234        | 1.57          | ND             | ND              |           | 1        | WG1868580 |
| Bromoform                      | 75-25-2    | 253      | 0.244        | 2.52          | ND             | ND              |           | 1        | WG1868580 |
| Bromomethane                   | 74-83-9    | 94.90    | 0.327        | 1.27          | ND             | ND              |           | 1        | WG1868580 |
| 1,3-Butadiene                  | 106-99-0   | 54.10    | 0.347        | 0.768         | ND             | ND              |           | 1        | WG1868580 |
| Carbon disulfide               | 75-15-0    | 76.10    | 0.340        | 1.06          | 2.56           | 7.97            |           | 1        | WG1868580 |
| Carbon tetrachloride           | 56-23-5    | 154      | 0.244        | 1.54          | ND             | ND              |           | 1        | WG1868580 |
| Chlorobenzene                  | 108-90-7   | 113      | 0.277        | 1.28          | ND             | ND              |           | 1        | WG1868580 |
| Chloroethane                   | 75-00-3    | 64.50    | 0.332        | 0.876         | ND             | ND              |           | 1        | WG1868580 |
| Chloroform                     | 67-66-3    | 119      | 0.239        | 1.16          | ND             | ND              |           | 1        | WG1868580 |
| Chloromethane                  | 74-87-3    | 50.50    | 0.343        | 0.708         | ND             | ND              |           | 1        | WG1868580 |
| 2-Chlorotoluene                | 95-49-8    | 126      | 0.276        | 1.42          | ND             | ND              |           | 1        | WG1868580 |
| Cyclohexane                    | 110-82-7   | 84.20    | 0.251        | 0.864         | 1.50           | 5.17            |           | 1        | WG1868580 |
| Dibromochloromethane           | 124-48-1   | 208      | 0.242        | 2.06          | ND             | ND              |           | 1        | WG1868580 |
| 1,2-Dibromoethane              | 106-93-4   | 188      | 0.240        | 1.85          | ND             | ND              |           | 1        | WG1868580 |
| 1,2-Dichlorobenzene            | 95-50-1    | 147      | 0.427        | 2.57          | ND             | ND              |           | 1        | WG1868580 |
| 1,3-Dichlorobenzene            | 541-73-1   | 147      | 0.607        | 3.65          | ND             | ND              |           | 1        | WG1868580 |
| 1,4-Dichlorobenzene            | 106-46-7   | 147      | 0.186        | 1.12          | ND             | ND              |           | 1        | WG1868580 |
| 1,2-Dichloroethane             | 107-06-2   | 99       | 0.233        | 0.943         | ND             | ND              |           | 1        | WG1868580 |
| 1,1-Dichloroethane             | 75-34-3    | 98       | 0.241        | 0.966         | ND             | ND              |           | 1        | WG1868580 |
| 1,1-Dichloroethene             | 75-35-4    | 96.90    | 0.254        | 1.01          | ND             | ND              |           | 1        | WG1868580 |
| cis-1,2-Dichloroethene         | 156-59-2   | 96.90    | 0.261        | 1.03          | ND             | ND              |           | 1        | WG1868580 |
| trans-1,2-Dichloroethene       | 156-60-5   | 96.90    | 0.224        | 0.888         | ND             | ND              |           | 1        | WG1868580 |
| 1,2-Dichloropropane            | 78-87-5    | 113      | 0.253        | 1.17          | ND             | ND              |           | 1        | WG1868580 |
| cis-1,3-Dichloropropene        | 10061-01-5 | 111      | 0.230        | 1.04          | ND             | ND              |           | 1        | WG1868580 |
| trans-1,3-Dichloropropene      | 10061-02-6 | 111      | 0.243        | 1.10          | ND             | ND              |           | 1        | WG1868580 |
| 1,4-Dioxane                    | 123-91-1   | 88.10    | 0.278        | 1.00          | ND             | ND              |           | 1        | WG1868580 |
| Ethanol                        | 64-17-5    | 46.10    | 0.883        | 1.66          | 18.2           | 34.3            |           | 1        | WG1868580 |
| Ethylbenzene                   | 100-41-4   | 106      | 0.278        | 1.21          | 0.699          | 3.03            |           | 1        | WG1868580 |
| 4-Ethyltoluene                 | 622-96-8   | 120      | 0.261        | 1.28          | ND             | ND              |           | 1        | WG1868580 |
| Trichlorofluoromethane         | 75-69-4    | 137.40   | 0.273        | 1.53          | ND             | ND              |           | 1        | WG1868580 |
| Dichlorodifluoromethane        | 75-71-8    | 120.92   | 0.457        | 2.26          | 0.457          | 2.26            |           | 1        | WG1868580 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1    | 187.40   | 0.264        | 2.02          | ND             | ND              |           | 1        | WG1868580 |
| 1,2-Dichlorotetrafluoroethane  | 76-14-2    | 171      | 0.297        | 2.08          | ND             | ND              |           | 1        | WG1868580 |
| Heptane                        | 142-82-5   | 100      | 0.347        | 1.42          | 1.21           | 4.95            |           | 1        | WG1868580 |
| Hexachloro-1,3-butadiene       | 87-68-3    | 261      | 0.350        | 3.74          | ND             | ND              |           | 1        | WG1868580 |
| n-Hexane                       | 110-54-3   | 86.20    | 0.687        | 2.42          | 2.79           | 9.84            |           | 1        | WG1868580 |
| Isopropylbenzene               | 98-82-8    | 120.20   | 0.259        | 1.27          | ND             | ND              |           | 1        | WG1868580 |
| Methylene Chloride             | 75-09-2    | 84.90    | 0.326        | 1.13          | 1.37           | 4.76            |           | 1        | WG1868580 |
| Methyl Butyl Ketone            | 591-78-6   | 100      | 0.443        | 1.81          | ND             | ND              |           | 1        | WG1868580 |
| 2-Butanone (MEK)               | 78-93-3    | 72.10    | 0.271        | 0.799         | 4.49           | 13.2            |           | 1        | WG1868580 |
| 4-Methyl-2-pentanone (MIBK)    | 108-10-1   | 100.10   | 0.255        | 1.04          | 0.658          | 2.69            |           | 1        | WG1868580 |
| Methyl methacrylate            | 80-62-6    | 100.12   | 0.292        | 1.20          | ND             | ND              |           | 1        | WG1868580 |
| MTBE                           | 1634-04-4  | 88.10    | 0.216        | 0.778         | ND             | ND              |           | 1        | WG1868580 |
| Naphthalene                    | 91-20-3    | 128      | 1.17         | 6.13          | ND             | ND              |           | 1        | WG1868580 |
| 2-Propanol                     | 67-63-0    | 60.10    | 8.80         | 21.6          | 501            | 1230            |           | 10       | WG1869364 |
| Propene                        | 115-07-1   | 42.10    | 0.311        | 0.536         | ND             | ND              |           | 1        | WG1868580 |
| Styrene                        | 100-42-5   | 104      | 0.263        | 1.12          | ND             | ND              |           | 1        | WG1868580 |
| 1,1,2,2-Tetrachloroethane      | 79-34-5    | 168      | 0.248        | 1.70          | ND             | ND              |           | 1        | WG1868580 |
| Tetrachloroethylene            | 127-18-4   | 166      | 2.71         | 18.4          | 110            | 747             |           | 10       | WG1869364 |
| Tetrahydrofuran                | 109-99-9   | 72.10    | 0.245        | 0.722         | ND             | ND              |           | 1        | WG1868580 |
| Toluene                        | 108-88-3   | 92.10    | 0.290        | 1.09          | 3.31           | 12.5            |           | 1        | WG1868580 |
| 1,2,4-Trichlorobenzene         | 120-82-1   | 181      | 0.493        | 3.65          | ND             | ND              |           | 1        | WG1868580 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte                    | CAS #     | Mol. Wt. | RDL1<br>ppbv | RDL2<br>ug/m3 | Result<br>ppbv | Result<br>ug/m3 | Qualifier | Dilution | Batch                     |
|----------------------------|-----------|----------|--------------|---------------|----------------|-----------------|-----------|----------|---------------------------|
| 1,1,1-Trichloroethane      | 71-55-6   | 133      | 0.245        | 1.33          | ND             | ND              |           | 1        | <a href="#">WG1868580</a> |
| 1,1,2-Trichloroethane      | 79-00-5   | 133      | 0.258        | 1.40          | ND             | ND              |           | 1        | <a href="#">WG1868580</a> |
| Trichloroethylene          | 79-01-6   | 131      | 0.227        | 1.22          | ND             | ND              |           | 1        | <a href="#">WG1868580</a> |
| 1,2,4-Trimethylbenzene     | 95-63-6   | 120      | 0.255        | 1.25          | 0.818          | 4.01            |           | 1        | <a href="#">WG1868580</a> |
| 1,3,5-Trimethylbenzene     | 108-67-8  | 120      | 0.260        | 1.28          | 0.317          | 1.56            |           | 1        | <a href="#">WG1868580</a> |
| 2,2,4-Trimethylpentane     | 540-84-1  | 114.22   | 0.443        | 2.07          | 1.92           | 8.97            |           | 1        | <a href="#">WG1868580</a> |
| Vinyl chloride             | 75-01-4   | 62.50    | 0.316        | 0.808         | ND             | ND              |           | 1        | <a href="#">WG1868580</a> |
| Vinyl Bromide              | 593-60-2  | 106.95   | 0.284        | 1.24          | ND             | ND              |           | 1        | <a href="#">WG1868580</a> |
| Vinyl acetate              | 108-05-4  | 86.10    | 0.387        | 1.36          | ND             | ND              |           | 1        | <a href="#">WG1868580</a> |
| m&p-Xylene                 | 1330-20-7 | 106      | 0.450        | 1.95          | 2.53           | 11.0            |           | 1        | <a href="#">WG1868580</a> |
| o-Xylene                   | 95-47-6   | 106      | 0.276        | 1.20          | 1.45           | 6.29            |           | 1        | <a href="#">WG1868580</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 103            |                 |           |          | <a href="#">WG1868580</a> |
| (S) 1,4-Bromofluorobenzene | 460-00-4  | 175      | 60.0-140     |               | 93.3           |                 |           |          | <a href="#">WG1869364</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795307-3 05/24/22 10:14

| Analyte                        | MB Result<br>ppbv | MB Qualifier | MB MDL<br>ppbv | MB RDL<br>ppbv |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Allyl Chloride                 | U                 |              | 0.114          | 0.380          |
| Benzene                        | U                 |              | 0.0715         | 0.238          |
| Benzyl Chloride                | U                 |              | 0.0598         | 0.199          |
| Bromodichloromethane           | U                 |              | 0.0702         | 0.234          |
| Bromoform                      | U                 |              | 0.0732         | 0.244          |
| Bromomethane                   | U                 |              | 0.0982         | 0.327          |
| 1,3-Butadiene                  | U                 |              | 0.104          | 0.347          |
| Carbon disulfide               | U                 |              | 0.102          | 0.340          |
| Carbon tetrachloride           | U                 |              | 0.0732         | 0.244          |
| Chlorobenzene                  | U                 |              | 0.0832         | 0.277          |
| Chloroethane                   | U                 |              | 0.0996         | 0.332          |
| Chloroform                     | U                 |              | 0.0717         | 0.239          |
| Chloromethane                  | U                 |              | 0.103          | 0.343          |
| 2-Chlorotoluene                | U                 |              | 0.0828         | 0.276          |
| Cyclohexane                    | U                 |              | 0.0753         | 0.251          |
| Dibromochloromethane           | U                 |              | 0.0727         | 0.242          |
| 1,2-Dibromoethane              | U                 |              | 0.0721         | 0.240          |
| 1,2-Dichlorobenzene            | U                 |              | 0.128          | 0.427          |
| 1,3-Dichlorobenzene            | U                 |              | 0.182          | 0.607          |
| 1,4-Dichlorobenzene            | U                 |              | 0.0557         | 0.186          |
| 1,2-Dichloroethane             | U                 |              | 0.0700         | 0.233          |
| 1,1-Dichloroethane             | U                 |              | 0.0723         | 0.241          |
| 1,1-Dichloroethene             | U                 |              | 0.0762         | 0.254          |
| cis-1,2-Dichloroethene         | U                 |              | 0.0784         | 0.261          |
| trans-1,2-Dichloroethene       | U                 |              | 0.0673         | 0.224          |
| 1,2-Dichloropropane            | U                 |              | 0.0760         | 0.253          |
| cis-1,3-Dichloropropene        | U                 |              | 0.0689         | 0.230          |
| trans-1,3-Dichloropropene      | U                 |              | 0.0728         | 0.243          |
| 1,4-Dioxane                    | U                 |              | 0.0833         | 0.278          |
| Ethanol                        | U                 |              | 0.265          | 0.883          |
| Ethylbenzene                   | U                 |              | 0.0835         | 0.278          |
| 4-Ethyltoluene                 | U                 |              | 0.0783         | 0.261          |
| Trichlorofluoromethane         | U                 |              | 0.0819         | 0.273          |
| Dichlorodifluoromethane        | U                 |              | 0.137          | 0.457          |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.0793         | 0.264          |
| 1,2-Dichlorotetrafluoroethane  | U                 |              | 0.0890         | 0.297          |
| Heptane                        | U                 |              | 0.104          | 0.347          |
| Hexachloro-1,3-butadiene       | U                 |              | 0.105          | 0.350          |
| n-Hexane                       | U                 |              | 0.206          | 0.687          |
| Isopropylbenzene               | U                 |              | 0.0777         | 0.259          |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3795307-3 05/24/22 10:14

| Analyte                     | MB Result | MB Qualifier | MB MDL   | MB RDL |
|-----------------------------|-----------|--------------|----------|--------|
|                             | ppbv      |              | ppbv     | ppbv   |
| Methylene Chloride          | U         |              | 0.0979   | 0.326  |
| Methyl Butyl Ketone         | U         |              | 0.133    | 0.443  |
| 2-Butanone (MEK)            | U         |              | 0.0814   | 0.271  |
| 4-Methyl-2-pentanone (MIBK) | U         |              | 0.0765   | 0.255  |
| Methyl Methacrylate         | U         |              | 0.0876   | 0.292  |
| MTBE                        | U         |              | 0.0647   | 0.216  |
| Naphthalene                 | U         |              | 0.350    | 1.17   |
| Propene                     | 0.100     | U            | 0.0932   | 0.311  |
| Styrene                     | U         |              | 0.0788   | 0.263  |
| 1,1,2,2-Tetrachloroethane   | U         |              | 0.0743   | 0.248  |
| Tetrahydrofuran             | U         |              | 0.0734   | 0.245  |
| Toluene                     | U         |              | 0.0870   | 0.290  |
| 1,2,4-Trichlorobenzene      | U         |              | 0.148    | 0.493  |
| 1,1,1-Trichloroethane       | U         |              | 0.0736   | 0.245  |
| 1,1,2-Trichloroethane       | U         |              | 0.0775   | 0.258  |
| Trichloroethylene           | U         |              | 0.0680   | 0.227  |
| 1,2,4-Trimethylbenzene      | U         |              | 0.0764   | 0.255  |
| 1,3,5-Trimethylbenzene      | U         |              | 0.0779   | 0.260  |
| 2,2,4-Trimethylpentane      | U         |              | 0.133    | 0.443  |
| Vinyl chloride              | U         |              | 0.0949   | 0.316  |
| Vinyl Bromide               | U         |              | 0.0852   | 0.284  |
| Vinyl acetate               | U         |              | 0.116    | 0.387  |
| m&p-Xylene                  | U         |              | 0.135    | 0.450  |
| o-Xylene                    | U         |              | 0.0828   | 0.276  |
| (S) 1,4-Bromofluorobenzene  | 99.8      |              | 60.0-140 |        |

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc  
7 Gl  
8 Al  
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3795307-1 05/24/22 08:56 • (LCSD) R3795307-2 05/24/22 09:35

| Analyte              | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                      | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| Allyl Chloride       | 3.75         | 4.29       | 4.43        | 114      | 118       | 70.0-130    |               |                | 3.21  | 25         |
| Benzene              | 3.75         | 4.00       | 3.94        | 107      | 105       | 70.0-130    |               |                | 1.51  | 25         |
| Benzyl Chloride      | 3.75         | 4.08       | 4.12        | 109      | 110       | 70.0-152    |               |                | 0.976 | 25         |
| Bromodichloromethane | 3.75         | 3.79       | 3.81        | 101      | 102       | 70.0-130    |               |                | 0.526 | 25         |
| Bromoform            | 3.75         | 3.71       | 3.73        | 98.9     | 99.5      | 70.0-130    |               |                | 0.538 | 25         |
| Bromomethane         | 3.75         | 3.89       | 3.88        | 104      | 103       | 70.0-130    |               |                | 0.257 | 25         |
| 1,3-Butadiene        | 3.75         | 3.91       | 3.93        | 104      | 105       | 70.0-130    |               |                | 0.510 | 25         |
| Carbon disulfide     | 3.75         | 4.08       | 4.06        | 109      | 108       | 70.0-130    |               |                | 0.491 | 25         |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3795307-1 05/24/22 08:56 • (LCSD) R3795307-2 05/24/22 09:35

| Analyte                        | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Carbon tetrachloride           | 3.75                 | 3.73               | 3.78                | 99.5          | 101            | 70.0-130         |                      |                       | 1.33     | 25              |
| Chlorobenzene                  | 3.75                 | 3.86               | 3.82                | 103           | 102            | 70.0-130         |                      |                       | 1.04     | 25              |
| Chloroethane                   | 3.75                 | 4.00               | 3.98                | 107           | 106            | 70.0-130         |                      |                       | 0.501    | 25              |
| Chloroform                     | 3.75                 | 3.86               | 3.87                | 103           | 103            | 70.0-130         |                      |                       | 0.259    | 25              |
| Chloromethane                  | 3.75                 | 4.06               | 4.06                | 108           | 108            | 70.0-130         |                      |                       | 0.000    | 25              |
| 2-Chlorotoluene                | 3.75                 | 3.93               | 3.93                | 105           | 105            | 70.0-130         |                      |                       | 0.000    | 25              |
| Cyclohexane                    | 3.75                 | 4.07               | 4.07                | 109           | 109            | 70.0-130         |                      |                       | 0.000    | 25              |
| Dibromochloromethane           | 3.75                 | 3.77               | 3.77                | 101           | 101            | 70.0-130         |                      |                       | 0.000    | 25              |
| 1,2-Dibromoethane              | 3.75                 | 3.87               | 3.86                | 103           | 103            | 70.0-130         |                      |                       | 0.259    | 25              |
| 1,2-Dichlorobenzene            | 3.75                 | 3.91               | 3.95                | 104           | 105            | 70.0-130         |                      |                       | 1.02     | 25              |
| 1,3-Dichlorobenzene            | 3.75                 | 3.98               | 3.96                | 106           | 106            | 70.0-130         |                      |                       | 0.504    | 25              |
| 1,4-Dichlorobenzene            | 3.75                 | 3.96               | 3.94                | 106           | 105            | 70.0-130         |                      |                       | 0.506    | 25              |
| 1,2-Dichloroethane             | 3.75                 | 3.75               | 3.74                | 100           | 99.7           | 70.0-130         |                      |                       | 0.267    | 25              |
| 1,1-Dichloroethane             | 3.75                 | 4.03               | 4.01                | 107           | 107            | 70.0-130         |                      |                       | 0.498    | 25              |
| 1,1-Dichloroethene             | 3.75                 | 3.99               | 4.00                | 106           | 107            | 70.0-130         |                      |                       | 0.250    | 25              |
| cis-1,2-Dichloroethene         | 3.75                 | 4.06               | 4.05                | 108           | 108            | 70.0-130         |                      |                       | 0.247    | 25              |
| trans-1,2-Dichloroethene       | 3.75                 | 4.09               | 4.13                | 109           | 110            | 70.0-130         |                      |                       | 0.973    | 25              |
| 1,2-Dichloropropane            | 3.75                 | 4.02               | 4.00                | 107           | 107            | 70.0-130         |                      |                       | 0.499    | 25              |
| cis-1,3-Dichloropropene        | 3.75                 | 3.91               | 3.88                | 104           | 103            | 70.0-130         |                      |                       | 0.770    | 25              |
| trans-1,3-Dichloropropene      | 3.75                 | 3.88               | 3.86                | 103           | 103            | 70.0-130         |                      |                       | 0.517    | 25              |
| 1,4-Dioxane                    | 3.75                 | 4.00               | 4.07                | 107           | 109            | 70.0-140         |                      |                       | 1.73     | 25              |
| Ethanol                        | 3.75                 | 4.00               | 4.03                | 107           | 107            | 55.0-148         |                      |                       | 0.747    | 25              |
| Ethylbenzene                   | 3.75                 | 4.00               | 3.97                | 107           | 106            | 70.0-130         |                      |                       | 0.753    | 25              |
| 4-Ethyltoluene                 | 3.75                 | 4.06               | 4.08                | 108           | 109            | 70.0-130         |                      |                       | 0.491    | 25              |
| Trichlorofluoromethane         | 3.75                 | 3.71               | 3.75                | 98.9          | 100            | 70.0-130         |                      |                       | 1.07     | 25              |
| Dichlorodifluoromethane        | 3.75                 | 3.77               | 3.81                | 101           | 102            | 64.0-139         |                      |                       | 1.06     | 25              |
| 1,1,2-Trichlorotrifluoroethane | 3.75                 | 3.93               | 3.92                | 105           | 105            | 70.0-130         |                      |                       | 0.255    | 25              |
| 1,2-Dichlorotetrafluoroethane  | 3.75                 | 3.91               | 3.94                | 104           | 105            | 70.0-130         |                      |                       | 0.764    | 25              |
| Heptane                        | 3.75                 | 4.17               | 4.09                | 111           | 109            | 70.0-130         |                      |                       | 1.94     | 25              |
| Hexachloro-1,3-butadiene       | 3.75                 | 3.75               | 3.77                | 100           | 101            | 70.0-151         |                      |                       | 0.532    | 25              |
| n-Hexane                       | 3.75                 | 4.20               | 4.18                | 112           | 111            | 70.0-130         |                      |                       | 0.477    | 25              |
| Isopropylbenzene               | 3.75                 | 4.07               | 4.09                | 109           | 109            | 70.0-130         |                      |                       | 0.490    | 25              |
| Methylene Chloride             | 3.75                 | 3.80               | 3.78                | 101           | 101            | 70.0-130         |                      |                       | 0.528    | 25              |
| Methyl Butyl Ketone            | 3.75                 | 4.16               | 4.12                | 111           | 110            | 70.0-149         |                      |                       | 0.966    | 25              |
| Methyl Ethyl Ketone            | 3.75                 | 4.08               | 4.16                | 109           | 111            | 70.0-130         |                      |                       | 1.94     | 25              |
| 4-Methyl-2-pentanone (MIBK)    | 3.75                 | 4.18               | 4.16                | 111           | 111            | 70.0-139         |                      |                       | 0.480    | 25              |
| Methyl Methacrylate            | 3.75                 | 3.96               | 3.96                | 106           | 106            | 70.0-130         |                      |                       | 0.000    | 25              |
| MTBE                           | 3.75                 | 4.00               | 4.05                | 107           | 108            | 70.0-130         |                      |                       | 1.24     | 25              |
| Naphthalene                    | 3.75                 | 4.07               | 4.08                | 109           | 109            | 70.0-159         |                      |                       | 0.245    | 25              |
| Propene                        | 3.75                 | 3.95               | 3.99                | 105           | 106            | 64.0-144         |                      |                       | 1.01     | 25              |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3795307-1 05/24/22 08:56 • (LCSD) R3795307-2 05/24/22 09:35

| Analyte                    | Spike Amount<br>ppbv | LCS Result<br>ppbv | LCSD Result<br>ppbv | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Styrene                    | 3.75                 | 4.09               | 4.09                | 109           | 109            | 70.0-130         |                      |                       | 0.000    | 25              |
| 1,1,2,2-Tetrachloroethane  | 3.75                 | 3.98               | 3.96                | 106           | 106            | 70.0-130         |                      |                       | 0.504    | 25              |
| Tetrahydrofuran            | 3.75                 | 4.16               | 4.18                | 111           | 111            | 70.0-137         |                      |                       | 0.480    | 25              |
| Toluene                    | 3.75                 | 3.99               | 3.95                | 106           | 105            | 70.0-130         |                      |                       | 1.01     | 25              |
| 1,2,4-Trichlorobenzene     | 3.75                 | 3.88               | 3.93                | 103           | 105            | 70.0-160         |                      |                       | 1.28     | 25              |
| 1,1,1-Trichloroethane      | 3.75                 | 3.74               | 3.76                | 99.7          | 100            | 70.0-130         |                      |                       | 0.533    | 25              |
| 1,1,2-Trichloroethane      | 3.75                 | 3.92               | 3.84                | 105           | 102            | 70.0-130         |                      |                       | 2.06     | 25              |
| Trichloroethylene          | 3.75                 | 3.88               | 3.82                | 103           | 102            | 70.0-130         |                      |                       | 1.56     | 25              |
| 1,2,4-Trimethylbenzene     | 3.75                 | 4.08               | 4.10                | 109           | 109            | 70.0-130         |                      |                       | 0.489    | 25              |
| 1,3,5-Trimethylbenzene     | 3.75                 | 4.03               | 3.99                | 107           | 106            | 70.0-130         |                      |                       | 0.998    | 25              |
| 2,2,4-Trimethylpentane     | 3.75                 | 4.20               | 4.20                | 112           | 112            | 70.0-130         |                      |                       | 0.000    | 25              |
| Vinyl chloride             | 3.75                 | 4.03               | 4.00                | 107           | 107            | 70.0-130         |                      |                       | 0.747    | 25              |
| Vinyl Bromide              | 3.75                 | 3.87               | 3.87                | 103           | 103            | 70.0-130         |                      |                       | 0.000    | 25              |
| Vinyl acetate              | 3.75                 | 4.05               | 4.11                | 108           | 110            | 70.0-130         |                      |                       | 1.47     | 25              |
| m&p-Xylene                 | 7.50                 | 8.06               | 8.03                | 107           | 107            | 70.0-130         |                      |                       | 0.373    | 25              |
| o-Xylene                   | 3.75                 | 4.01               | 3.99                | 107           | 106            | 70.0-130         |                      |                       | 0.500    | 25              |
| (S) 1,4-Bromofluorobenzene |                      |                    |                     | 99.5          | 99.9           | 60.0-140         |                      |                       |          |                 |

Sample Narrative:

LCSD: Lowest possible dilution due to low sample volume.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3795807-3 05/25/22 09:51

| Analyte                    | MB Result | MB Qualifier | MB MDL | MB RDL   |
|----------------------------|-----------|--------------|--------|----------|
|                            | ppbv      |              | ppbv   | ppbv     |
| Acetone                    | U         |              | 0.584  | 1.95     |
| 2-Propanol                 | U         |              | 0.264  | 0.880    |
| Tetrachloroethylene        | U         |              | 0.0814 | 0.271    |
| (S) 1,4-Bromofluorobenzene | 94.6      |              |        | 60.0-140 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3795807-1 05/25/22 08:47 • (LCSD) R3795807-2 05/25/22 09:20

| Analyte                    | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
|                            | ppbv         | ppbv       | ppbv        | %        | %         | %           |               |                | %     | %          |
| Acetone                    | 3.75         | 3.74       | 3.85        | 99.7     | 103       | 70.0-130    |               |                | 2.90  | 25         |
| 2-Propanol                 | 3.75         | 3.96       | 3.99        | 106      | 106       | 70.0-139    |               |                | 0.755 | 25         |
| Tetrachloroethylene        | 3.75         | 3.75       | 3.80        | 100      | 101       | 70.0-130    |               |                | 1.32  | 25         |
| (S) 1,4-Bromofluorobenzene |              |            |             | 96.4     | 96.9      | 60.0-140    |               |                |       |            |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

|                              |  |
|------------------------------|--|
| MDL                          | Method Detection Limit.  |
| ND                           | Not detected at the Reporting Limit (or MDL where applicable).   |
| RDL                          | Reported Detection Limit.  |
| Rec.                         | Recovery.  |
| RPD                          | Relative Percent Difference.   |
| SDG                          | Sample Delivery Group.   |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.   |
| U                            | Not detected at the Reporting Limit (or MDL where applicable).   |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.   |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.  |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.  |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.   |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.  |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.  |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.  |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.   |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.  |

### Qualifier Description

|   |   |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
|---|---|

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

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# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                               |             |                             |                  |
|-------------------------------|-------------|-----------------------------|------------------|
| Alabama                       | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                        | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                       | AZ0612      | New Hampshire               | 2975             |
| Arkansas                      | 88-0469     | New Jersey–NELAP            | TN002            |
| California                    | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                      | TN00003     | New York                    | 11742            |
| Connecticut                   | PH-0197     | North Carolina              | Env375           |
| Florida                       | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                       | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>          | 923         | North Dakota                | R-140            |
| Idaho                         | TN00003     | Ohio–VAP                    | CL0069           |
| Illinois                      | 200008      | Oklahoma                    | 9915             |
| Indiana                       | C-TN-01     | Oregon                      | TN200002         |
| Iowa                          | 364         | Pennsylvania                | 68-02979         |
| Kansas                        | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1,6</sup>       | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>         | 16          | South Dakota                | n/a              |
| Louisiana                     | AI30792     | Tennessee <sup>1,4</sup>    | 2006             |
| Louisiana                     | LA018       | Texas                       | T104704245-20-18 |
| Maine                         | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                      | 324         | Utah                        | TN000032021-11   |
| Massachusetts                 | M-TN003     | Vermont                     | VT2006           |
| Michigan                      | 9958        | Virginia                    | 110033           |
| Minnesota                     | 047-999-395 | Washington                  | C847             |
| Mississippi                   | TN00003     | West Virginia               | 233              |
| Missouri                      | 340         | Wisconsin                   | 998093910        |
| Montana                       | CERT0086    | Wyoming                     | A2LA             |
| A2LA – ISO 17025              | 1461.01     | AIHA-LAP,LLC EMLAP          | 100789           |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                        | 1461.01     | USDA                        | P330-15-00234    |
| EPA–Crypto                    | TN00003     |                             |                  |

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

