



Supplemental Assessment Report
Bowater-Catawba Pulp and Paper
Mill – Plant Area

5300 Cureton Ferry Road
Catawba, South Carolina
SCDHEC No. 18-6120-VOC
S&ME Project No. 4213-18-087

PREPARED FOR:

New-Indy Catawba LLC
3500 Porsche Way, Suite 150
Ontario, California 91764

PREPARED BY:

S&ME, Inc.
301 Zima Park Road
Spartanburg, South Carolina 29301

May 12, 2021



May 12, 2021

New-Indy Catawba LLC
3500 Porsche Way, Suite 150
Ontario, California 91764

Attention: Mr. Richard Hartman

Reference: **Supplemental Assessment Report**
Bowater-Catawba Pulp and Paper Mill – Plant Area
Catawba, South Carolina
SCDHEC No. 18-6120-VOC
S&ME Project No. 4213-18-087

Dear Mr. Hartman:

S&ME is pleased to submit this *Supplemental Assessment Report* for the above referenced project. Our work was conducted in general accordance with the *Work Plan* (S&ME, July 8, 2020) and to our April 12, 2018 Agreement for Services.

We appreciate the opportunity to be of service to you. Should you have any questions or when we may be of further service, please do not hesitate to contact us at 864.574.2360.

Sincerely,

S&ME, Inc.

Handwritten signature of Scott E. Dacus in blue ink.

Scott E. Dacus, P.G.
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1.0 Project Background

Voluntary Cleanup Contract 18-6120-VOC requires soil and groundwater assessment of the Plant Area of the New-Indy Catawba LLC pulp and paper mill (Site), which is located at 5300 Cureton Ferry Road in Catawba, York County, South Carolina. The approximate location of the Site and Plant Area is illustrated on the attached **Figure 1 - USGS Topographic Map**.

A *Work Plan* was submitted to the South Carolina Department of Health and Environmental Control (SCDHEC) on February 1, 2019. The work plan outlined the purposes and procedures to assess soil and groundwater in the Plant Area at the Site. The work plan was approved by SCDHEC by letter dated March 26, 2019. Assessment activities were performed at the site according to the Work Plan and the findings were submitted in the *Assessment Report* dated January 17, 2020. The Department reviewed the report and issued comments in a letter dated April 20, 2020. A *Plant Area Work Plan-Supplemental Assessment* was submitted to the South Carolina Department of Health and Environmental Control (SCDHEC) on July 8, 2020. The supplemental assessment work plan was approved, with additional assessment requests, by SCDHEC by letter dated August 19, 2020.

2.0 Scope of Work

The following were addressed according to the Work Plan and are further discussed in the Report Sections referenced below:

- ◆ Waste Disposal Areas (**Section 2.1**)
- ◆ Assessment - Groundwater (**Section 2.2**)
- ◆ Evaluation of Vapor Intrusion Risk (**Section 2.3**)

2.1 Waste Disposal Areas

2.1.1 Soil Test Borings

Based on previous review of a historical construction drawing, dated March 1983, the boundaries of a solid waste landfill are depicted in the area of what is now the Wood Yard. The Wood Yard landfill has not been in operation for approximately 36 years. The historical purpose and prior use of the Wood Yard landfill is not known. The approximate location of the Georgia Pacific landfill was learned during the Phase I Environmental Assessment for the site in 2018. The Georgia Pacific landfill has not been in operation for approximately 31 years. While the specific historical purpose and prior use of the Georgia Pacific landfill is unknown, previous soil borings and test pits encountered wood fiber, fiber boards, metal debris, concrete debris, plastic sheeting, and other wood debris. In an effort to evaluate the horizontal extent of fill, as well as the nature and depth of cover material, soil test borings were conducted in the areas of the Wood Yard landfill and the Georgia Pacific landfill. The soil test borings were advanced using 8.25-inch diameter hollow-stem augers. In difficult rig access areas, seven soil test borings were advanced using a high-pressure air wand along with a vacuum truck.

Ten soil test borings, WYLF-SB-1 through WYLF-SB-10, were conducted in the Wood Yard landfill area. Wood debris including logs, chips, and/or bark were encountered in six of the ten borings. No inorganic debris was encountered in the borings conducted in this area. A more detailed description of soils and debris encountered in each boring is shown on the photographs in **Appendix A** and included in the **Log of Borings** in **Appendix B**. Previous soil test borings (WYLF-1, WYLF-3, WYLF-4, WYLF-5, and WYLF-6 from *Due Diligence Limited Assessment*, S&ME, August 16, 2018) encountered wood debris including logs, chips, and/or bark. Based on the above



information, the wood debris appears to lie within or near the approximate boundary shown on the historical drawing. **Figure 2** illustrates the estimated extent of the Wood Yard Landfill and shows the depth of cover for each wellbore. Landfill cover consists generally of clayey silt and fine to medium silt.

Eighteen soil test borings, R32-SB-1 through R32-SB-18, were conducted in the Georgia Pacific landfill area. Debris including wood, gravel, concrete, particle board, vinyl sheeting, plaster, metal, wire, and/or paper were encountered in nine of the eighteen borings. A more detailed description of soils and debris encountered in each boring is shown on the photographs in **Appendix A** and included in the **Log of Borings** in **Appendix B**. Test pits previously conducted in the area encountered similar debris. (*Due Diligence Limited Assessment*, S&ME, August 16, 2018). Also, previous soil test borings advanced in the area encountered similar debris. (*Due Diligence Limited Assessment*, S&ME, August 16, 2018). Based on the above data, it appears debris lies within an approximate area near the metal storage building. **Figure 3** illustrates the estimated extent of the Georgia Pacific Landfill and shows the depth of cover for each wellbore. Landfill cover consists generally of sandy silty and silty fine to coarse sand.

2.1.2 Soil Gas Sampling

Soil gas samples were collected in the two landfill areas to screen for methane. The following soil test borings were converted to soil gas sampling points:

Wood Yard landfill

- ◆ WYLF-SB-2
- ◆ WYLF-SB-3
- ◆ WYLF-SB-5

Georgia Pacific landfill

- ◆ R32-SB-1
- ◆ R32-SB-3
- ◆ R32-SB-4
- ◆ R32-SB-16
- ◆ R32-SB-17
- ◆ R32-SB-18

At each soil gas sampling location, a stainless-steel well screen implant (approximately 0.75 ft long) was installed to a depth of five feet below ground surface. Polyethylene tubing was attached to the implant and extended above the ground surface. The annular space around the implant was filled with filter sand to approximately 1.25 to 2.25 feet above the implant. Granular bentonite was placed above the filter sand to the ground surface/bottom of the concrete slab and hydrated with distilled water. A GilAir low-flow portable air pump was used to purge the sampling point. A minimum of three volumes of air was purged from each sampling point. After allowing the sampling point to sit for a minimum of five minutes, a portable Huberg METREX2 gas monitor was used to measure methane in the sampling point. Methane readings obtained from the sampling points are listed in **Table 1 – Methane Field Screening Data**. Upon completion of sampling, each point was abandoned by removing the tubing and implant (if possible) and backfilling the boring with bentonite.

At the Wood Yard landfill, the three soil gas samples were collected in the area of the debarker machine. Mill personnel work in the area of this machine; however, no part of this machine is enclosed on a floor on the ground surface. The methane screening indicated concentrations ranging from 300 parts per million (ppm) to 4700 ppm.



At the Georgia Pacific landfill, soil gas samples R32-SB-1, R32-SB-3, and R32-SB-4 were collected near the metal storage building, and soil gas samples R32-SB-16, R32-SB-17, and R32-SB-18 were collected beneath the concrete pad. The metal building is used for storage of equipment and has no heating/air conditioning. The building is not air-tight and a roll-up door is used to move equipment into and out of the building. The building is not continually occupied by mill personnel. The concrete pad in the Georgia Pacific landfill area is open air and is used to store large equipment. Large amounts of weathered wood chips lie next to the western and southern edges of the concrete pad. The methane screening near the storage building indicated concentrations ranging from 0 ppm to 4100 ppm; and the methane screening near the concrete pad indicated concentrations of 245 ppm (R32-SB-16), 40,000 ppm (R32-SB-17), and 42,000 ppm (R32-SB-18). R32-SB-17 and R32-SB-18 were located near the western and southern edges of the concrete pad.

2.2 Assessment - Groundwater

2.2.1 Monitoring Well Installation

On February 1 through 4, 2021, the following groundwater monitoring wells were installed:

- ◆ R1-MW-3 – Turpentine Assessment Area
- ◆ R4-MW-1 – Slaker Grit Area
- ◆ R4-MW-2 – Slaker Grit Area
- ◆ R12-MW-1 – Former Location of No. 6 Fuel Oil AST
- ◆ R15-MW-1 – No. 6 Fuel Oil Day Tank (Powerhouse)
- ◆ R15-MW-2 – No. 6 Fuel Oil Day Tank (Powerhouse)
- ◆ R16-MW-1A – Paper Machine Buildings (replacement well)
- ◆ R19-MW-2A – Paper Machine Buildings
- ◆ R19-MW-4 – Paper Machine Buildings
- ◆ DF-MW-1 – Perimeter Well
- ◆ DF-MW-2 – Perimeter Well
- ◆ DF-MW-3 – Perimeter Well
- ◆ DF-MW-4 – Perimeter Well

Upon drill rig mobilization, it was discovered that well R19-MW-2 had been covered during site construction activities. An approximate one-foot thick concrete pad had been poured over the monitoring well. Replacement well R19-MW-2A was installed during this assessment approximately 20 feet west of R19-MW-2.

Monitoring well R16-MW-1 was abandoned on March 6, 2020, before mill construction activities began, to avoid being damaged. This well was replaced during this assessment phase and labeled as R16-MW-1A.

Soils encountered in the monitoring well borings consisted mainly of sandy silt and silty sand (fill and residuum). More detailed descriptions of soils encountered are included in the **Well Completion Reports** in **Appendix C**.

The monitoring wells were installed by placing two-inch PVC screen and well casing into the borings. The screen consisted of a 10-foot or 15-foot section with 0.01-inch factory-cut slots. The annular space around the well screen was filled with filter sand to approximately two feet above the screen. A two to three-foot seal of bentonite pellets was placed above the filter sand and hydrated with potable water. The flush-mount wells were then grouted from the top of bentonite to within one foot of the ground surface with bentonite/Portland cement, while the stick-up wells were grouted to the ground surface with bentonite/Portland cement. The well depths and



screen intervals are included on **Table 2 – Monitoring Well Details**; and well construction details are included on the **Well Completion Reports** in **Appendix C**.

Upon completion, the monitoring wells were developed using a submersible pump. Well development continued until the retrieved water was relatively free of suspended soil particles. Well development information is included on the **Well Development Summary Sheets** in **Appendix D**.

2.2.2 *Groundwater Sampling*

From March 15 through 17, 2021, the 13 newly installed monitoring wells were sampled along with 21 existing monitoring wells. The monitoring wells sampled, and the laboratory analyses performed, are listed on **Table 3 – Groundwater Sampling**. The locations of the wells sampled are illustrated on **Figure 4-Groundwater Monitoring Wells**. The wells were sampled using a peristaltic pump and low flow techniques. New tubing was used at each well. Temperature, pH, specific conductivity, and turbidity were measured prior to sample collection. The field parameter measurements are included on the **Sample Collection Summary Sheets** in **Appendix E**. Measured groundwater depths, ground surface elevations, top of casing elevations, and groundwater elevations are included on **Table 2**.

Upon parameter stabilization, groundwater samples were collected by filling laboratory-supplied sample containers directly from the pump tubing. Sample-specific analyses and containers filled are included on the **Sample Collection Summary Sheets** in **Appendix E**. The sample containers were placed on ice within a cooler and transported via courier to Pace Analytical in Mt. Juliet, Tennessee.

The horizontal coordinates, ground surface elevation, and top of casing (TOC) elevation at each of the 13 newly installed wells were surveyed by McAdams, a South Carolina licensed surveyor. In addition, the top of casing and ground surface elevations were re-surveyed at existing wells:

- ◆ R32-MW-5: The pad/lid settled, causing the lid to not fully bolt down. The TOC was cut down to allow the expandable cap to lower and the lid to properly bolt down;
- ◆ R23-MW-1: The flush-mount pad and lid were damaged during construction activities; however, the well pipe was not damaged. A riser pipe was added and a new stick-up aboveground cover and pad was installed;
- ◆ WYLF-MW-1: The flush-mount pad and lid were damaged during construction activities; however, the well pipe was not damaged. Riser pipe was added, and a new stick-up aboveground cover and pad was installed.

2.2.3 *Investigative-Derived Waste*

Soil cuttings from monitoring well installation were placed in Sludge Lagoon No. 4. Water generated during well development, purging, and equipment decontamination was placed into the discharge canal between Sludge Lagoon No. 3 and the Aeration Basin.

2.2.4 *Quality Assurance/Quality Control*

2.2.5 *Groundwater Sampling*

During groundwater sampling activities, three duplicate samples were collected:

- ◆ CM-DUP-GW-9 at sample location R12-MW-1,



- ◆ CM-DUP-GW-10 at sample location R1-MW-3,
- ◆ CM-DUP-GW-11 at sample location WYLF-MW-2.

These samples were collected by filling duplicate laboratory containers at each location.

Two equipment blanks, CM-EB-GW-4 and CM-EB-GW-5 were collected by pouring laboratory-supplied deionized water through an un-used section of tubing directly into sample containers.

Three field blanks, CM-FB-GW-4, CM-FB-GW-5, and CM-FB-GW-6 were collected by pouring laboratory-supplied deionized water directly into sample containers during well sampling activities.

Two trip blanks, that accompanied the samples within the coolers during sampling activities and during shipment to the laboratory, were analyzed and reported. Sample-specific analyses for QA/QC sampling are included on the chain-of-custody forms in **Appendix F**.

2.2.6 *Data Quality Review*

The following assessment datasets were reviewed:

- the *Sample Receipt Condition Report* (included on the Chain of Custody);
- analytical data presented in the laboratory reports;
- laboratory-assigned data qualifiers;
- laboratory quality control (QC) data provided in the Analytical Support Level (ASL) II laboratory reports, and;
- field QC sample data.

2.2.7 *Groundwater Sample Results*

Groundwater results were compared to the SCDHEC MCLs for groundwater and the USEPA Risk Screening Levels (RSLs) for tapwater. The results for metals, VOCs, and SVOCs, along with the MCLs and RSLs, are included on **Table 4**. Several monitoring wells sampled during this event were also sampled during the October 2019 sampling event. For comparison purposes, the October 2019 results from those wells are also included on **Table 4**.

Metals were analyzed in groundwater samples from five of the newly installed wells: R4-MW-1, R4-MW-2, R12-MW-1, R15-MW-1, and R15-MW-2. Each of the metals concentrations reported in these samples is below the respective MCLs. Cobalt (R12-MW-1 and R15-MW-1) and manganese (R4-MW-1 and R12-MW-1) were reported at concentrations exceeding the RSLs for tapwater.

Several VOCs were detected at concentrations exceeding their respective tapwater RSL. Six VOCs were detected at concentrations exceeding their respective MCLs, including benzene, chlorobenzene, 1,2-dichlorobenzene, and 1,4-dichlorobenzene in R18-MW-2; 1,1-dichloroethene in R16-MW-1A and R19-MW-2A; and chloroform in GW-9.

SVOCs were analyzed in groundwater samples from five of the newly installed wells: R4-MW-1, R4-MW-2, R12-MW-1, R15-MW-1, and R15-MW-2. Each of the SVOC concentrations detected in these samples is below the respective MCLs and RSLs for tapwater.

Several groundwater samples were analyzed for dioxin/furan compounds. Laboratory analysis of groundwater samples reported detections of TEQ in R29-MW-1 and DF-MW-1. The TEQ concentration detected in R29-MW-1



exceeds the tapwater RSL, but is below the groundwater MCL. Dioxins/furans were detected in sample WYLF-MW-3 during the October 2019 sampling event but were below detection limits in the March 2021 sampling event. The dioxins/furans groundwater data are summarized in **Table 5**. A copy of the laboratory analytical reports is included in **Appendix F**.

2.3 Vapor Intrusion Risk Evaluation

Groundwater analytical data from monitoring wells MW-1 through MW-5 in the Former UST Area (REC 7), from monitoring wells GW-19, GW-30, and R5-MW-1 in the Turpentine Assessment Area (REC 5), and from monitoring well R1-MW-2 in the area east of the Turpentine Assessment Area, were evaluated for potential risk of vapor intrusion into nearby buildings. Concentrations of benzene and chloroform exceeding the MCL were entered into the USEPA Vapor Intrusion Screening Level (VISL) calculator. Using a commercial exposure scenario, a target cancer risk level of 10^{-6} (VI CR) and a target hazard quotient of 0.1 for potential non-cancer effects (VI HQ), benzene concentrations exceed the VI CR and VI HQ in MW-5 and GW-19, and the VI CR in MW-1 and R5-MW-1. The VI CR and the VI HQ for chloroform is exceeded in R1-MW-2. The VISL calculations are summarized on **Table 6**.

Buildings occupied by mill personnel were identified in the area of these wells. The buildings identified are:

REC 7

- The warehouse contains enclosed offices that are occupied by two to three people approximately eight hours per day. The offices are air conditioned. The warehouse has a large roll-up door that is open for most of the working day.
- The Maintenance/Electrical & Instruments building contains enclosed offices that are occupied by two to three people approximately eight hours per day. The offices are air conditioned.
- The Maintenance Shop is an enclosed air-conditioned building occupied by people approximately eight hours per day or less.
- The Stores is an enclosed air-conditioned building occupied by people approximately eight hours per day.

REC 5

- The Pulp & Utilities office is an enclosed air-conditioned building occupied by people approximately eight hours per day.

R1-MW-2

- The Filter Plant Control Room is an enclosed air-conditioned building occupied by people approximately eight hours per day or less.

These buildings are shown on **Figure 5**.

3.0 Deviations from Work Plan

As discussed in **Section 4.1**, upon arrival to the site to install the monitoring wells, it was discovered that well R19-MW-2 had been covered by a newly poured concrete pad. New piping, pumps, and other equipment were installed on the pad for mill operations. Replacement well R19-MW-2A was installed during this assessment near the location of R19-MW-2.

As discussed in **Section 4.2**, three existing well pads installed during initial VCC assessment activities have since settled or become damaged. The well pipes/expandable caps were not damaged, and no soil or debris had entered the wells. The top of casing at each of the three wells were cut to either allow the lid to fit properly or to install a new protective cover and pad. Therefore, the newly cut top of casings were re-surveyed.



4.0 Conclusions

4.1 Waste Disposal Areas

Soil test borings conducted in the Wood Yard landfill area encountered wood debris including logs, chips, and/or bark. The wood debris appears to lie within or near the approximate boundary shown on the historical drawing. Presently in this area, logs are unloaded from trucks, temporarily stored, and then loaded onto the debarker machine and chipper machine. Wood debris including logs, bark, and chips are also scattered on the ground surface in this area. Landfill cover consists generally of clayey silt and fine to medium silt. Soil gas samples collected in this area and screened for methane indicated concentrations ranging from 300 ppm to 4700 ppm.

Soil test borings conducted in the Georgia Pacific landfill area encountered debris including wood, gravel, concrete, particle board, vinyl sheeting, plaster, metal, wire, and/or paper. Landfill cover consists generally of sandy silty and silty fine to coarse sand. Three soil gas samples collected in this area and screened for methane indicated concentrations ranging from 0 ppm to 4100 ppm in the area of the storage building and from 245 ppm to 42,000 ppm in the area of the concrete pad.

The buildings in these two landfill areas are not occupied by mill personnel and are ventilated.

4.2 Groundwater

Data listed in **Table 4** compares detected concentrations to groundwater MCLs and Tapwater Screening RSLs. It is our opinion that additional assessment is not necessary for locations that exceed the Tapwater Screening RSL since groundwater is not used for drinking water at the Site and is not considered to be an exposure pathway. Consequently, we compared the detected analytes to the MCL to determine if additional assessment is necessary.

None of the detected metals or SVOC concentrations exceeded the MCLs.

The following samples had exceedances of a VOC MCL:

- ◆ R18-MW-2: benzene, chlorobenzene, 1,2-dichlorobenzene, and 1,4-dichlorobenzene. The concentrations of each of these VOCs increased since the October 2019 sampling event;
- ◆ R16-MW-1A: 1,1-dichloroethene. The concentration of this VOC increased since the October 2019 sampling event;
- ◆ R19-MW-2A: 1,1-dichloroethene. The concentration of this VOC increased since the October 2019 sampling event; and
- ◆ GW-9: chloroform.

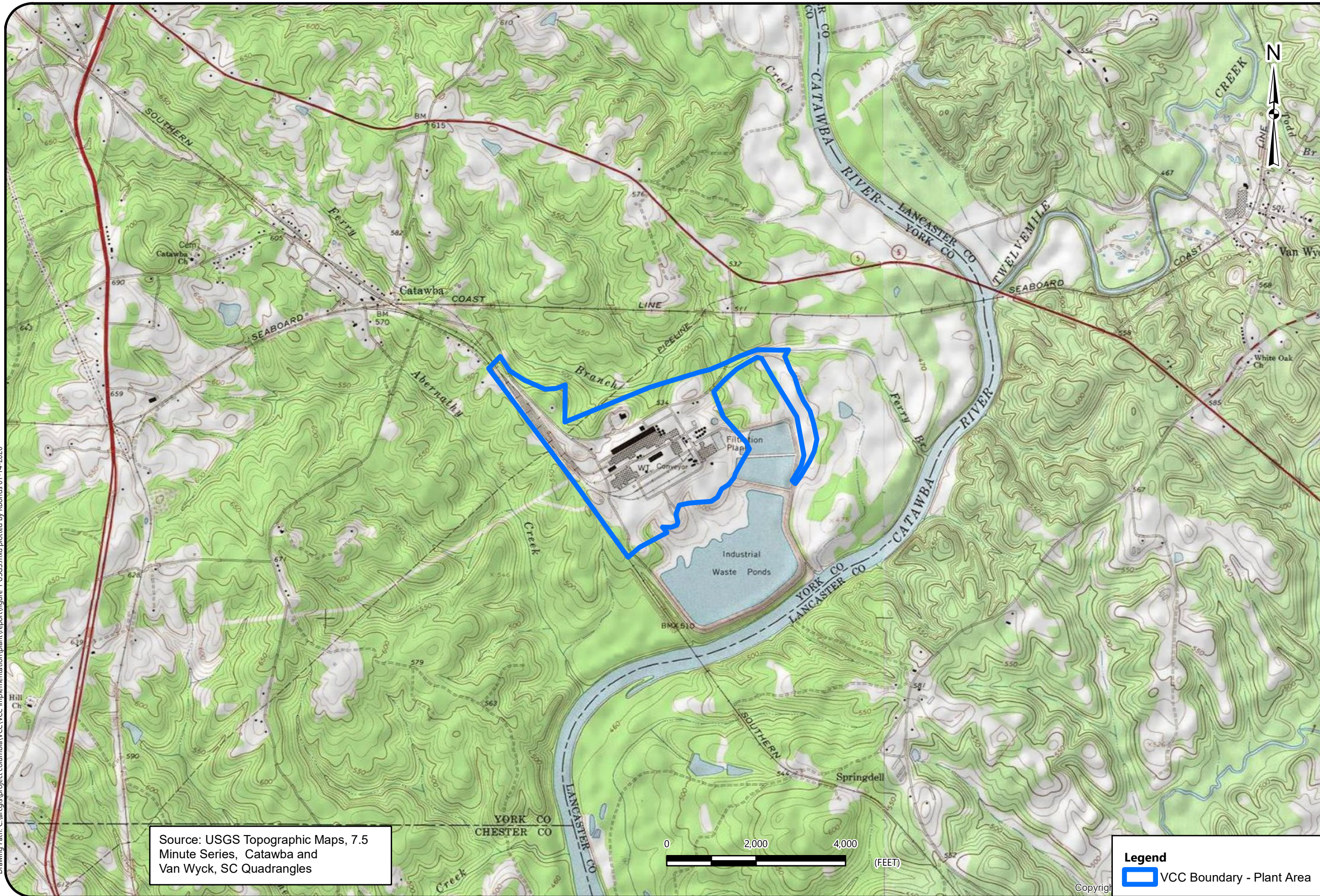
Based on the above information, it is our recommendation that wells R18-MW-2, R16-MW-1A, R19-MW-2A, and GW-9 be resampled and analyzed for VOCs.

4.3 Vapor Intrusion Risk Evaluation

The VI CR and the VI HQ for benzene in MW-5 and GW-19, the VI CR for benzene in MW-1 and R5-MW-1, and the VI CR and the VI HQ for chloroform in R1-MW-2 exceed their screening values, therefore, an assessment of the vapor intrusion pathway is recommended. A Vapor Intrusion Assessment Work Plan will be prepared and submitted to the SCDHEC. The work plan will include sampling methodologies, and sample locations within, beneath, and or near the identified buildings within the areas of MW-5, GW-19, MW-1, R5-MW-1, and R1-MW-2.

Figures

Drawing Path: C:\arcgis\project\columbia\VCC\implementation\plant\report\figure 1 USGS.mxd plotted by RBonds 01-14-2020



Source: USGS Topographic Maps, 7.5 Minute Series, Catawba and Van Wyck, SC Quadrangles

Legend
VCC Boundary - Plant Area



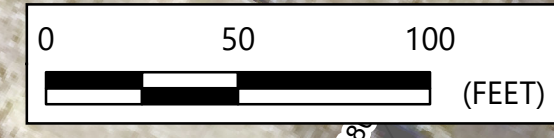
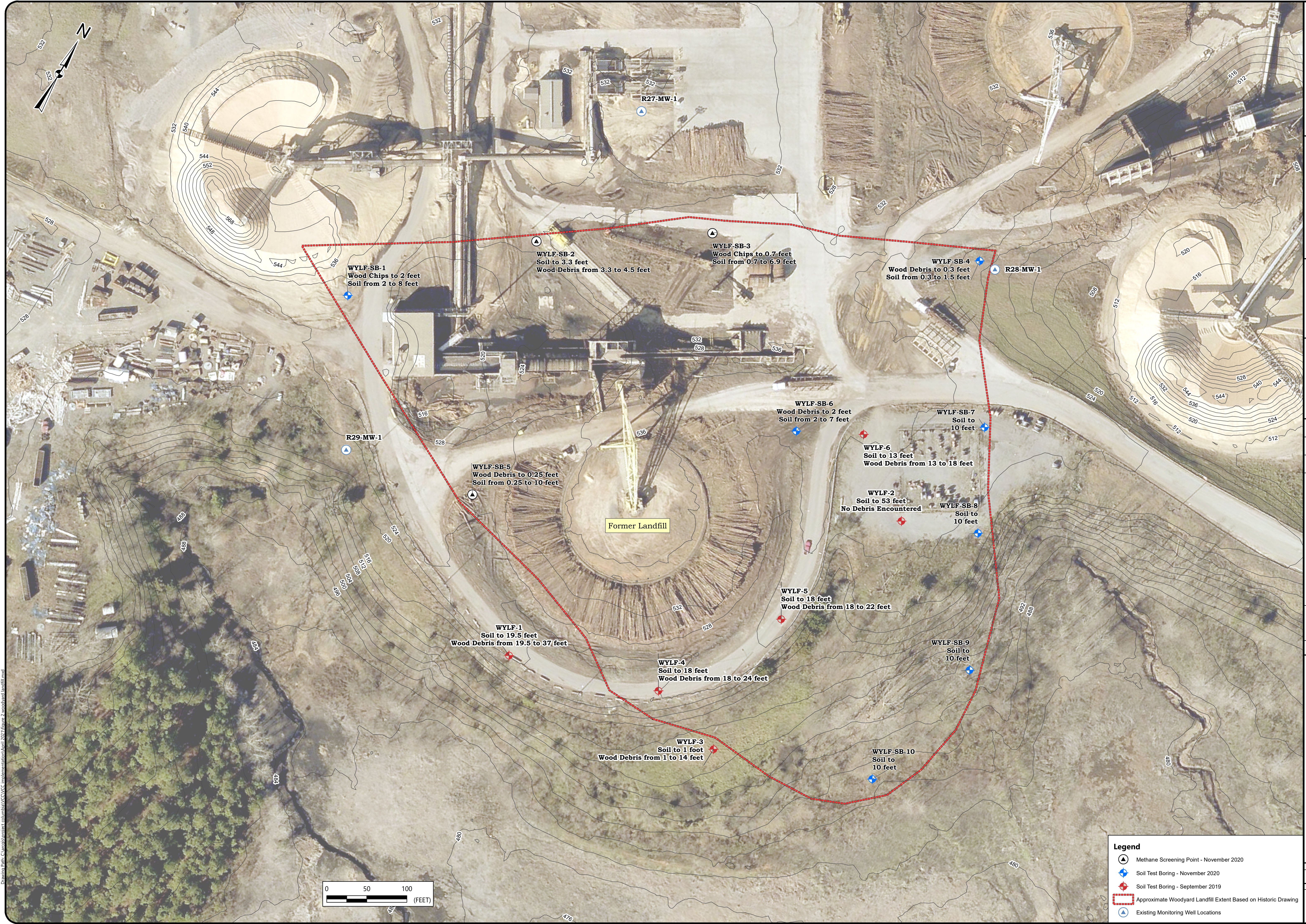
USGS TOPOGRAPHIC MAP

NEW INDY CATAWBA LLC - VCC 18-6120-VOC (PLANT SITE)
5300 CURETON FERRY ROAD
CATAWBA, SOUTH CAROLINA 29704

SCALE:
1" = 2,000'
DATE:
January 2020
PROJECT NUMBER
4213-18-087
FIGURE NO.



301 ZIMA PARK ROAD
SPARTANBURG, SC 29301
(864) 574-2360



Legend

- Methane Screening Point - November 2020
- Soil Test Boring - November 2020
- Soil Test Boring - September 2019
- Approximate Woodyard Landfill Extent Based on Historic Drawing
- Existing Monitoring Well Locations

| NO. | DATE | DESCRIPTION | BY | CHK | APV |
|-----|------|-------------|----|-----|-----|
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| | | | | | |

WOODYARD LANDFILL

NEW INDY CATAWBA LLC - VCC 18-6120-VOC
5300 CURETON FERRY ROAD
CATAWBA, SOUTH CAROLINA 29704

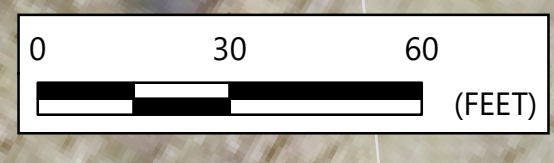
PROJECT NUMBER
4213-18-087

DRAWING NUMBER

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301 ZIMA PARK ROAD
SPARTANBURG, SC 29301
(864) 574-2360



- Legend**
- Methane Screening Point
 - Soil Test Boring - November 2020
 - Soil Test Boring - July 2018
 - Test Pit - July 2018
 - Estimated GP Landfill Boundary

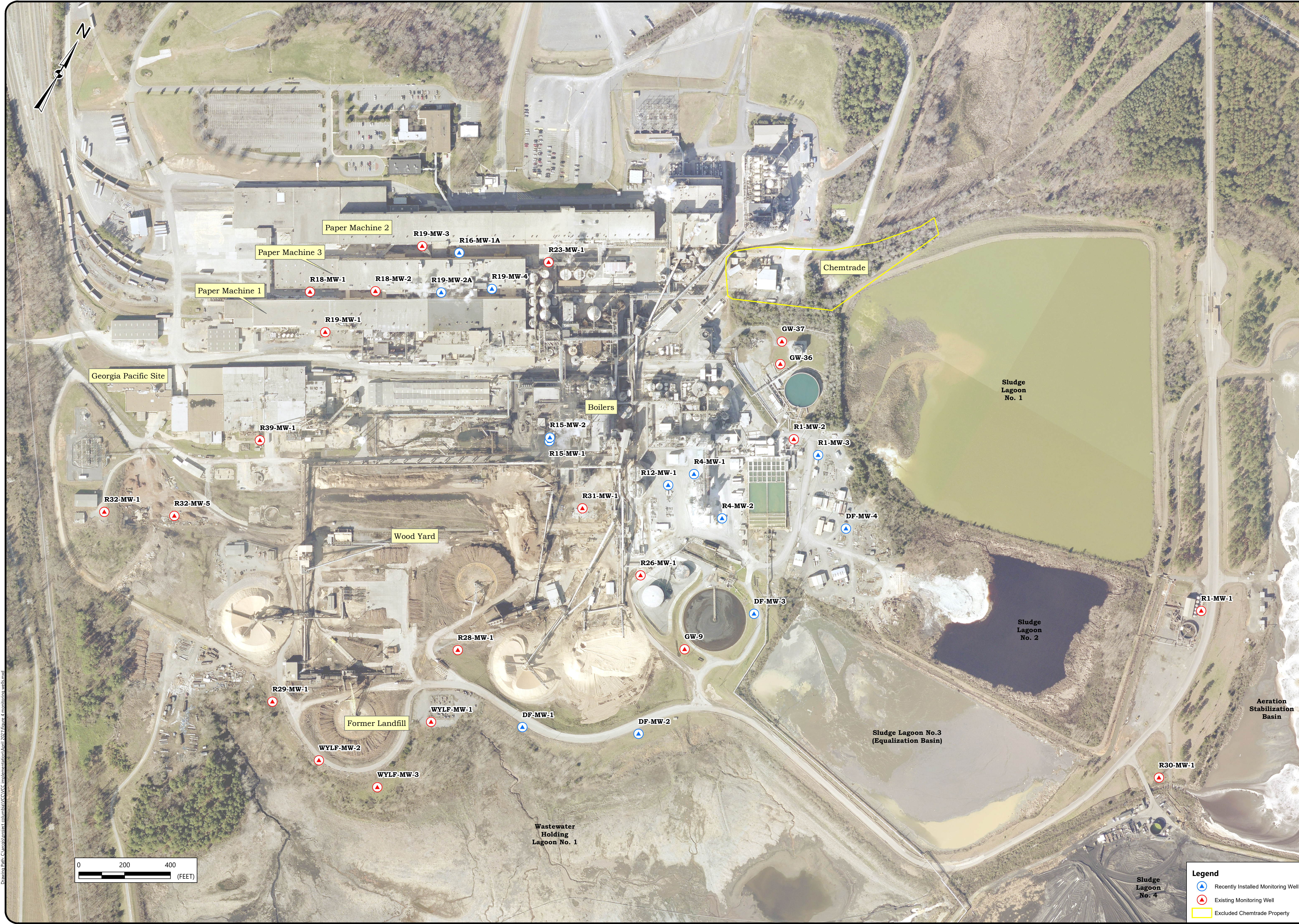
| NO. | DATE | DESCRIPTION | BY | CHK | APV |
|-----|------------|-------------|----|-----|-----|
| 1 | MAY 2020 | | | | |
| 2 | APRIL 2021 | | | | |

| | |
|--|-------------|
| GEORGIA PACIFIC LANDFILL | |
| NEW INDY CATAWBA LLC - VCC 18-6120-VOC 5300 CURETON FERRY ROAD CATAWBA, SOUTH CAROLINA 29704 | |
| PROJECT NUMBER | 4213-18-087 |
| DRAWING NUMBER | 3 |

Drawing Path: C:\Users\jstark\OneDrive\Documents\Projects\4213-18-087\4213-18-087.dwg



301 ZIMA PARK ROAD
SPARTANBURG, SC 29301
(864) 574-2360



| NO. | DATE | DESCRIPTION | BY | CHK | APV |
|-----|------------|-------------|----|-----|-----|
| 1 | APRIL 2021 | | | | |
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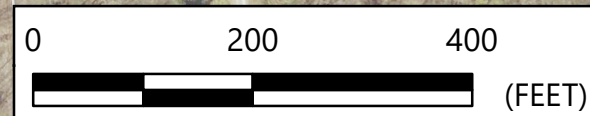
GROUNDWATER MONITORING WELLS

NEW INDY CATAWBA LLC - VCC 18-6120-VOC
5300 CURETON FERRY ROAD
CATAWBA, SOUTH CAROLINA 29704

PROJECT NUMBER
4213-18-087
DRAWING NUMBER

Legend

- Recently Installed Monitoring Well
- Existing Monitoring Well
- Excluded Chemtrade Property



Drawing Data: C:\arcgis\site\columbiawc\VCOC\emphases\columbiawc\2018\figure_4_monitoring_wells.mxd

Tables

Table 1
Methane Field Screening Data
Bowater - Catawba Pulp and Paper Mill Plant Area
Catawba, York County, South Carolina
SCDHEC No. 18-6120-VOC
S&ME Job No. 4213-18-087

| Methane Screening Point ID | Screening Point Screen Interval | Purge Time (minutes) | Purge Rate (L/min) | Wait Time (minutes) | Methane Reading (ppm) |
|----------------------------|---------------------------------|----------------------|--------------------|---------------------|-----------------------|
| WYLF-SB-2 | 4.25 - 5 feet | 2 | 2 | 5 | 3500 |
| WYLF-SB-3 | 4.25 - 5 feet | 2 | 2 | 5 | 300 |
| WYLF-SB-5 | 4.25 - 5 feet | 2 | 2 | 5 | 4700 |
| R32-SB-1 | 4.25 - 5 feet | 2 | 2 | 5 | 4100 |
| R32-SB-3 | 4.25 - 5 feet | 2 | 2 | 5 | 0 |
| R32-SB-4 | 4.25 - 5 feet | 2 | 2 | 5 | 1000 |
| R32-SB-16 | 4.25 - 5 feet | 2 | 2 | 5 | 245 |
| R32-SB-17 | 4.25 - 5 feet | 2 | 2 | 5 | 40,000 |
| R32-SB-18 | 4.25 - 5 feet | 2 | 2 | 5 | 42,000 |

Notes: ppm-parts per million
ml/min-milliliters per minute

Table 2
Monitoring Well Details
Bowater - Catawba Pulp and Paper Mill Plant Area
Catawba, York County, South Carolina
SCDHEC No. 18-6120-VOC
S&ME Job No. 4213-18-087

| Well ID | Total Well Depth | Screen Interval | Ground Surface Elevation | Top of Casing Elevation | Date | Depth to Water ¹ | Groundwater Elevation |
|------------|------------------|-----------------|--------------------------|-------------------------|---------------------|-----------------------------|-----------------------|
| R1-MW-1 | 20 | 10-20 | 509.90 | 509.40 | 10/17/19 3/17/21 | 16.50 13.02 | 492.90 496.38 |
| R1-MW-2 | 20 | 10-20 | 528.60 | 528.30 | 10/14/19 3/16/21 | 17.40 14.55 | 510.90 513.75 |
| R1-MW-3* | 25 | 15-25 | 527.95 | 527.66 | 3/16/21 | 14.73 | 512.93 |
| R4-MW-1* | 18 | 8-18 | 531.97 | 531.42 | 3/16//21 | 11.84 | 519.58 |
| R4-MW-2* | 18 | 8-18 | 532.53 | 531.94 | 3/16/21 | 17.64 | 514.30 |
| R12-MW-1* | 18 | 8-18 | 532.30 | 535.64 | 3/15/21 | 16.11 | 519.53 |
| R15-MW-1* | 18 | 8-18 | 531.74 | 531.47 | 3/15/21 | 7.40 | 524.07 |
| R15-MW-2* | 18 | 8-18 | 531.35 | 531.11 | 3/15/21 | 6.63 | 524.48 |
| R16-MW-1 | 14 | 4-14 | 530.60 | 530.30 | 10/17/19 | 6.98 | 523.32 |
| R16-MW-1A* | 15 | 5-15 | 530.64 | 530.42 | 3/15/21 | 5.49 | 524.93 |
| R18-MW-1 | 15 | 5-15 | 534.90 | 534.60 | 10/16/19 3/15/21 | 8.03 5.42 | 526.57 529.18 |
| R18-MW-2 | 13 | 3-13 | 531.00 | 530.40 | 10/16/19 3/15/21 | 4.62 3.87 | 525.78 526.53 |
| R19-MW-1 | 12 | 5-12 | 532.00 | 531.50 | 10/17/19 3/17/21 | 5.30 3.45 | 526.20 528.05 |
| R19-MW-2 | 15 | 5-15 | 531.10 | 530.10 | 10/16/19 | 5.62 | 524.48 |
| R19-MW-2A* | 15 | 5-15 | 531.19 | 530.98 | 3/15/21 | 3.40 | 527.58 |
| R19-MW-3 | 14 | 4-14 | 530.10 | 529.80 | 10/16/19 3/15/21 | 6.25 5.73 | 523.55 524.07 |
| R19-MW-4* | 15 | 5-15 | 531.23 | 531.02 | 3/15/21 | 3.24 | 527.78 |
| R23-MW-1 | 14 | 4-14 | 531.20 531.07 | 530.80 534.75 | 10/16/19 3/15/21 | 6.25 8.55 | 524.55 526.20 |
| R26-MW-1 | 25 | 15-25 | 530.00 | 529.70 | 10/15/19 3/17/21 | 21.22 23.37 | 508.48 506.33 |
| R28-MW-1 | 28 | 18-28 | 522.90 | 525.24 | 10/16/19 3/17/21 | 24.30 21.50 | 500.94 503.74 |
| R29-MW-1 | 28 | 18-28 | 524.20 | 524.00 | 10/16/19 3/16/21 | 21.74 19.50 | 502.26 504.50 |
| R30-MW-1 | 25 | 15-25 | 510.10 | 509.90 | 10/14/19 3/17/21 | 18.51 15.48 | 491.39 494.42 |
| R31-MW-1 | 18 | 8-18 | 531.20 | 530.40 | 10/16/19 3/17/21 | 11.70 11.18 | 518.70 519.22 |
| R32-MW-1 | 40 | 25-40 | 549.00 | 548.50 | 10/14/19 3/15/21 | 29.85 24.18 | 518.65 524.32 |
| R32-MW-5 | 20 | 10-20 | 533.90 533.76 | 533.60 533.49 | 10/15/19 3/15/21 | 13.75 10.51 | 519.85 522.98 |
| R39-MW-1 | 13 | 3-13 | 530.60 | 530.30 | 10/16/19 3/17/21 | 2.91 2.06 | 527.39 528.24 |
| WYLF-MW-1 | 53 | 38-53 | 529.40 529.37 | 529.30 533.24 | 10/16/19 3/17/21 | 42.75 43.61 | 486.55 489.63 |
| WYLF-MW-2 | 40 | 30-40 | 524.10 | 523.70 | 10/16/19 3/16/21 | 30.03 20.65 | 493.67 503.05 |
| WYLF-MW-3 | 30 | 20-30 | 508.80 | 508.60 | 10/16/19 3/16/21 | 27.81 22.40 | 480.79 486.20 |
| GW-9 | -- | -- | -- | -- | 3/17/19 | 15.13 | -- |
| GW-36 | 16 | 6-16 | 513.05 | 512.65 | 10/17/19 3/16/21 | 6.19 4.58 | 506.46 508.07 |
| GW-37 | 17 | 7-17 | 513.90 | 513.53 | 10/15/19 3/16/21 | 7.10 8.56 | 506.43 504.97 |
| DF-MW-1* | 34 | 19-34 | 524.74 | 527.82 | 3/17/21 | 33.54 | 494.28 |
| DF-MW-2* | 39 | 24-39 | 514.62 | 517.95 | 3/17/21 | 31.24 | 486.71 |
| DF-MW-3* | 18 | 8-18 | 519.78 | 523.62 | 3/15/21 | 17.46 | 506.16 |
| DF-MW-4* | 25 | 15-25 | 524.20 | 527.34 | 3/16/21 | 17.82 | 509.52 |

Notes: 1 - measured from top of casing
measurements are in feet
* - newly installed well

Table 3

Monitoring Well Details

Bowater - Catawba Pulp and Paper Mill Plant Area

Catawba, York County, South Carolina

SCDHEC No. 18-6120-VOC

S&ME Job No. 4213-18-087

| SAMPLE | | | | TCL VOCs | TCL SVOCs | TAL Metals | Dioxins/ Furans |
|---|--|-----------------|-------------|----------|-----------|------------|--------------------|
| ID | LOCATION | Monitoring Well | TYPE | | | | |
| Area with Chloroform MCL Excedance | | | | | | | |
| R1-MW-3 | | newly installed | groundwater | ✓ | | | |
| Area with VOC MCL Excedance | | | | | | | |
| R16-MW-1A | Paper Machine Area | newly installed | groundwater | ✓ | | | |
| R18-MW-2 | | existing | groundwater | ✓ | | | |
| R19-MW-2A | | newly installed | groundwater | ✓ | | | |
| R19-MW-3 | | existing | groundwater | ✓ | | | |
| R23-MW-1 | | existing | groundwater | ✓ | | | |
| R18-MW-1 | | existing | groundwater | ✓ | | | |
| R19-MW-1 | | existing | groundwater | ✓ | | | |
| R19-MW-4 | | newly installed | groundwater | ✓ | | | |
| R31-MW-1 | Boiler Operations | existing | groundwater | ✓ | | | |
| R39-MW-1 | Electrical Transformer Pads | existing | groundwater | ✓ | | | |
| Perimeter Wells | | | | | | | |
| R29-MW-1 | Wells Located Between Plant Area and Wastewater/Sludge Lagoons and in GP Landfill Area | existing | groundwater | | | | ✓ |
| R30-MW-1 | | existing | groundwater | | | | ✓ |
| R32-MW-1 | | existing | groundwater | | | | ✓ |
| R32-MW-5 | | existing | groundwater | ✓ | | | ✓ |
| WYLF-MW-1 | | existing | groundwater | | | | ✓ |
| WYLF-MW-2 | | existing | groundwater | | | | ✓ |
| WYLF-MW-3 | | existing | groundwater | | | | ✓ |
| R28-MW-1 | | existing | groundwater | ✓ | | | ✓ |
| R26-MW-1 | | existing | groundwater | ✓ | | | ✓ |
| GW-9 | | existing | groundwater | ✓ | | | ✓ |
| GW-36 | | existing | groundwater | | | | ✓ |
| GW-37 | | existing | groundwater | | | | ✓ |
| R1-MW-1 | | existing | groundwater | | | | ✓ |
| R1-MW-2 | | existing | groundwater | ✓ | | | ✓ |
| DF-MW-1 | | newly installed | groundwater | ✓ | | | ✓ |
| DF-MW-2 | | newly installed | groundwater | ✓ | | | ✓ |
| DF-MW-3 | | newly installed | groundwater | ✓ | | | ✓ |
| DF-MW-4 | | newly installed | groundwater | ✓ | | | ✓ |
| Difficult Access Wells | | | | | | | |
| R4-MW-1 | Slaker Grit Area | newly installed | groundwater | ✓ | ✓ | ✓ | |
| R4-MW-2 | | newly installed | groundwater | ✓ | ✓ | ✓ | |
| R12-MW-1 | Former Location of No. 6 Fuel AST | newly installed | groundwater | ✓ | ✓ | ✓ | |
| R15-MW-1 | Fuel Oil #6 Day Tank | newly installed | groundwater | ✓ | ✓ | ✓ | |
| R15-MW-2 | | newly installed | groundwater | ✓ | ✓ | ✓ | |
| Quality Control Sampling | | | | | | | |
| CM-DUP-GW-9 | Duplicate | -- | groundwater | ✓ | ✓ | ✓ | |
| CM-DUP-GW-10 | Duplicate | -- | groundwater | ✓ | | | |
| CM-DUP-GW-11 | Duplicate | -- | groundwater | | | | ✓ |
| CM-EB-GW-4 | Equipment Blank | -- | water | ✓ | ✓ | ✓ | |
| CM-EB-GW-5 | Equipment Blank | -- | water | | | | ✓ |
| CM-FB-GW-4 | Field Blank | -- | water | ✓ | ✓ | ✓ | |
| CM-FB-GW-5 | Field Blank | -- | water | ✓ | | | |
| CM-FB-GW-6 | Field Blank | -- | water | | | | ✓ |
| | Trip Blank | -- | water | ✓ | | | |
| | Trip Blank | -- | water | ✓ | | | |

NOTES:

TCL - Target Compound List

TAL - Target Analyte List

VOCs - volatile organic compounds

SVOCs - semi-volatile organic compounds

Table 4
Summary of Groundwater Data -
 Metals, VOCs, and SVOCs
 Bowater - Catawba Pulp and Paper Mill Plant Area
 Catawba, York County, South Carolina
 SCDHEC VCC No. 18-6120-VOC
 S&ME Job No. 4213-18-087

| | | | | EPA Regional Screening Levels | | | | | | | | |
|--|-------------------------|-------|------------|-------------------------------|------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | MCLs | EPA RSL Tapwater | R32-MW-5 | R39-MW-1 | R39-MW-1 | DF-MW-1 | DF-MW-2 | DF-MW-3 | DF-MW-4 |
| Date Collected | | | | | | 3/15/2021 | 10/16/2019 | 3/17/2021 | 3/17/2021 | 3/17/2021 | 3/15/2021 | 3/16/2021 |
| Method | Analyte | Units | CAS | Concentration | | | | | | | | |
| Metals | | | | | | | | | | | | |
| 6010D | ALUMINUM | mg/l | 7429-90-5 | NE | 20 | NA | <0.200 | NA | NA | NA | NA | NA |
| 6010D | BARIUM | mg/l | 7440-39-3 | 2 | 3.8 | NA | 0.0839 | NA | NA | NA | NA | NA |
| 6010D | BERYLLIUM | mg/l | 7440-41-7 | 0.004 | 0.025 | NA | <0.00200 | NA | NA | NA | NA | NA |
| 6010D | CALCIUM | mg/l | 7440-70-2 | NE | NE | NA | 2.16 | NA | NA | NA | NA | NA |
| 6010D | CHROMIUM | mg/l | 7440-47-3 | 0.1 | NE | NA | <0.0100 | NA | NA | NA | NA | NA |
| 6010D | COBALT | mg/l | 7440-48-4 | NE | 0.006 | NA | 0.0683 | NA | NA | NA | NA | NA |
| 6010D | COPPER | mg/l | 7440-50-8 | 1.3 | 0.8 | NA | <0.0100 | NA | NA | NA | NA | NA |
| 6010D | IRON | mg/l | 7439-89-6 | NE | 14 | NA | 0.374 | NA | NA | NA | NA | NA |
| 6010D | LEAD | mg/l | 7439-92-1 | 0.015 | 0.015 | NA | <0.00500 | NA | NA | NA | NA | NA |
| 6010D | MAGNESIUM | mg/l | 7439-95-4 | NE | NE | NA | 1.01 | NA | NA | NA | NA | NA |
| 6010D | MANGANESE | mg/l | 7439-96-5 | NE | 0.43 | NA | 4.87 | NA | NA | NA | NA | NA |
| 6010D | NICKEL | mg/l | 7440-02-0 | NE | 0.39 | NA | <0.0100 | NA | NA | NA | NA | NA |
| 6010D | POTASSIUM | mg/l | 7440-09-7 | NE | NE | NA | 2.04 | NA | NA | NA | NA | NA |
| 6010D | SELENIUM | mg/l | 7782-49-2 | 0.05 | 0.1 | NA | <0.0100 | NA | NA | NA | NA | NA |
| 6010D | SODIUM | mg/l | 7440-23-5 | NE | NE | NA | 15.2 | NA | NA | NA | NA | NA |
| 6010D | VANADIUM | mg/l | 7440-62-2 | NE | 0.086 | NA | <0.0200 | NA | NA | NA | NA | NA |
| 6010D | ZINC | mg/l | 7440-66-6 | NE | 6 | NA | <0.0500 | NA | NA | NA | NA | NA |
| 7470A | MERCURY | mg/l | 7439-97-6 | 0.002 | 0.0063 | NA | <0.000200 | NA | NA | NA | NA | NA |
| Volatile Organic Compounds | | | | | | | | | | | | |
| 8260B | BENZENE | mg/l | 71-43-2 | 0.005 | 0.00046 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | 0.0016 | <0.00100 | <0.00100 |
| 8260B | BROMODICHLOROMETHANE | mg/l | 75-27-4 | 0.08 | 0.00013 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | CARBON DISULFIDE | mg/l | 75-15-0 | NE | 0.81 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | CARBON TETRACHLORIDE | mg/l | 56-23-5 | 0.005 | 0.00046 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | CHLOROBENZENE | mg/l | 108-90-7 | 0.1 | 0.078 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | CHLOROFORM | mg/l | 67-66-3 | 0.08 | 0.00022 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| 8260B | CYCLOHEXANE | mg/l | 110-82-7 | NE | 13 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,2-DICHLOROBENZENE | mg/l | 95-50-1 | 0.6 | 0.3 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,3-DICHLOROBENZENE | mg/l | 541-73-1 | NE | NE | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,4-DICHLOROBENZENE | mg/l | 106-46-7 | 0.075 | 0.00048 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,1-DICHLOROETHANE | mg/l | 75-34-3 | NE | 0.0028 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,1-DICHLOROETHENE | mg/l | 75-35-4 | 0.007 | 0.28 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | CIS-1,2-DICHLOROETHENE | mg/l | 156-59-2 | 0.07 | 0.036 | <0.00100 | 0.0136 | 0.00153 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | ETHYLBENZENE | mg/l | 100-41-4 | 0.7 | 0.0015 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | ISOPROPYLBENZENE | mg/l | 98-82-8 | NE | NE | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 2-BUTANONE (MEK) | mg/l | 78-93-3 | NE | 5.6 | <0.0100 | <0.0100 | <0.0100 | <0.0100 | <0.0100 | <0.0100 | <0.0100 |
| 8260B | METHYL CYCLOHEXANE | mg/l | 108-87-2 | NE | NE | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | METHYL TERT-BUTYL ETHER | mg/l | 1634-04-4 | NE | 0.014 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | TOLUENE | mg/l | 108-88-3 | 1 | 1.1 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,2,3-TRICHLOROBENZENE | mg/l | 87-61-6 | NE | NE | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | 1,2,4-TRICHLOROBENZENE | mg/l | 120-82-1 | 0.07 | 0.0012 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | TRICHLOROETHENE | mg/l | 79-01-6 | 0.005 | 0.00049 | <0.00100 | 0.00541 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | VINYL CHLORIDE | mg/l | 75-01-4 | 0.002 | 0.000019 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 8260B | XYLENES, TOTAL | mg/l | 1330-20-7 | 10 | 0.19 | <0.00300 | <0.00300 | <0.00300 | <0.00300 | <0.00300 | <0.00300 | <0.00300 |
| Semi-Volatile Organic Compounds | | | | | | | | | | | | |
| 8270D | ACENAPHTHENE | mg/l | 83-32-9 | NE | 0.53 | NA | <0.00100 | NA | NA | NA | NA | NA |
| 8270D | FLUORANTHENE | mg/l | 206-44-0 | NE | 0.8 | NA | <0.00100 | NA | NA | NA | NA | NA |
| 8270D | FLUORENE | mg/l | 86-73-7 | NE | 0.29 | NA | <0.00100 | NA | NA | NA | NA | NA |
| 8270D | 2-METHYLNAPHTHALENE | mg/l | 91-57-6 | NE | 0.036 | NA | <0.00100 | NA | NA | NA | NA | NA |
| 8270D | NAPHTHALENE | mg/l | 91-20-3 | NE | 0.00017 | NA | <0.00100 | NA | NA | NA | NA | NA |
| 8270D | N-NITROSODIPHENYLAMINE | mg/l | 86-30-6 | NE | 0.012 | NA | <0.0100 | NA | NA | NA | NA | NA |
| 8270D | PHENANTHRENE | mg/l | 85-01-8 | NE | NE | NA | <0.00100 | NA | NA | NA | NA | NA |
| 8270D | 3&4-METHYL PHENOL | mg/l | 3&4-Methyl | NE | NE | NA | <0.0100 | NA | NA | NA | NA | NA |
| 8270D | 2,4-DIMETHYLPHENOL | mg/l | 105-67-9 | NE | 0.36 | NA | <0.0100 | NA | NA | NA | NA | NA |
| 8270D | PHENOL | mg/l | 108-95-2 | NE | 5.8 | NA | <0.0100 | NA | NA | NA | NA | NA |


Sample locations are shown within attached Figure.

Complete laboratory results are included in the Appendix of this Report

Results are in milligrams per liter (mg/l).

Listed EPA Regional Screening Tables (RSLs) are dated November 2019 (carcinogenic risk of 1x10⁻⁶ and

 Highlighted cell indicate exceedences EPA/SCDHEC Maximum Contaminant Levels (MCLs)

 Highlighted cell indicates an exceedance of the EPA Risk Screening Levels for Tapwater

Lab qualifiers are shown on each respective lab report.

NE - Not Established

NA - Not Analyzed

Table 5
Summary of Groundwater Data -Dioxins/Furans
 Bowater - Catawba Pulp and Paper Mill Plant Area
 Catawba, York County, South Carolina
 SCDHEC VCC No. 18-6120-VOC
 S&ME Job No. 4213-18-087

| Sample ID Date Collected | | EPA Regional Screening Levels | | Concentration, pg/L | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------------------|-------------------------------|------------------|----------------------------|---------------------|--------------------|--------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|------|
| | | MCLs | EPA RSL Tapwater | GW-9 3/17/2021 | GW-36 10/17/2019 | GW-36 3/16/2021 | GW-37 3/16/2021 | R1-MW-1 10/17/2019 | R1-MW-1 3/17/2021 | R1-MW-2 3/16/2021 | R26-MW-1 3/17/2021 | R28-MW-1 3/17/2021 | R29-MW-1 3/16/2021 | R30-MW-1 3/17/2021 | R32-MW-1 3/15/2021 | R32-MW-5 3/15/2021 | WYLF-MW-1 3/17/2021 | WYLF-MW-2 3/16/2021 | WYLF-MW-3 10/16/2019 | WYLF-MW-3 3/16/2021 | DF-MW-1 3/17/2021 | DF-MW-2 3/17/2021 | DF-MW-3 3/15/2021 | DF-MW-4 3/16/2021 | |
| Analyte | CAS | Concentration, pg/L | | Concentration, pg/L | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 35822-46-9 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 130 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,4,6,7,8-HpCDF | 67562-39-4 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,4,7,8,9-HpCDF | 55673-89-7 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,4,7,8-HxCDD | 39227-28-6 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,4,7,8-HxCDF | 70648-26-9 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,6,7,8-HxCDD | 57653-85-7 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,6,7,8-HxCDF | 57117-44-9 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,7,8,9-HxCDD | 19408-74-3 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,7,8,9-HxCDF | 72918-21-9 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,7,8-PeCDD | 40321-76-4 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2,3,7,8-PeCDF | 57117-41-6 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 2,3,4,6,7,8-HxCDF | 60851-34-5 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 2,3,4,7,8-PeCDF | 57117-31-4 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 2,3,7,8-TCDD | 1746-01-6 | 30 | 0.12 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 2,3,7,8-TCDF | 51207-31-9 | NE | NE | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 29 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| OCDD | 3268-87-9 | NE | NE | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 1600 | <100 | <100 | <100 | <100 | <100 | <100 | 370 | <100 | 230 | <100 | <100 |
| OCDF | 39001-02-0 | NE | NE | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| TEQ | E17134024 | 30 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.37 | 0 | 0.07 | 0 | 0 |
| Total HpCDD | 37871-00-4 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 300 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total HpCDF | 38998-75-3 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total HxCDD | 34465-46-8 | NE | 13 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total HxCDF | 55684-94-1 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total PeCDD | 36088-22-9 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total PeCDF | 30402-15-4 | NE | NE | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total TCDD | 41903-57-5 | NE | NE | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total TCDF | 30402-14-3 | NE | NE | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 29 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |

Notes:

Sample locations are shown within attached Figures located within the Appendix of this Report.

Complete laboratory results are included in the Appendix of this Report

All results are in picograms per liter.

Listed EPA Regional Screening Tables (RSLs) are dated November 2019 (carcinogenic risk of 1x10⁻⁶ and non-carcinogenic hazard of 1.0).

| |
|--|
| Highlighted cell indicate exceedences of EPA/SCDHEC Maximum Contaminant Levels (MCLs) |
| Highlighted cell indicates an exceedance of the EPA Risk Screening Levels for Tapwater |

Lab qualifiers are shown on each respective lab report.

NE - Not Established

Table 6
Vapor Intrusion Screening Level Calculations
 Bowater - Catawba Pulp and Paper Mill Plant Area
 Catawba, York County, South Carolina
 SCDHEC No. 18-6120-VOC
 S&ME Job No. 4213-18-087

| VISL Calculations Volatile Organic Compounds | | | | MW-1 | | | MW-5 | | |
|---|------------|---------|-------|------------------------------|----------------------------------|--------------------|------------------------------|----------------------------------|--------------------|
| Method | Analyte | CAS | MCL | Groundwater Conc, mg/L | VI Carcinogenic Risk CR | VI Hazard HQ | Groundwater Conc, mg/L | VI Carcinogenic Risk CR | VI Hazard HQ |
| 8260B | BENZENE | 71-43-2 | 0.005 | 0.0226 | 3.26E-06 | 3.90E-02 | 0.0685 | 9.89E-06 | 1.18E-01 |
| 8260B | CHLOROFORM | 67-66-3 | 0.08 | <0.00500 | - | - | <0.00500 | - | - |

| VISL Calculations Volatile Organic Compounds | | | | GW-19 | | | GW-30 | | | R5-MW-1 | | |
|---|------------|---------|-------|------------------------------|----------------------------------|--------------------|------------------------------|----------------------------------|--------------------|------------------------------|----------------------------------|--------------------|
| Method | Analyte | CAS | MCL | Groundwater Conc, mg/L | VI Carcinogenic Risk CR | VI Hazard HQ | Groundwater Conc, mg/L | VI Carcinogenic Risk CR | VI Hazard HQ | Groundwater Conc, mg/L | VI Carcinogenic Risk CR | VI Hazard HQ |
| 8260B | BENZENE | 71-43-2 | 0.005 | 0.129 | 1.86E-05 | 2.23E-01 | 0.00501 | 7.23E-07 | 8.65E-03 | 0.0211 | 3.04E-06 | 3.64E-02 |
| 8260B | CHLOROFORM | 67-66-3 | 0.08 | <0.00500 | - | - | <0.00500 | - | - | <0.00500 | - | - |

| VISL Calculations Volatile Organic Compounds | | | | R1-MW-2 | | |
|---|------------|---------|-------|------------------------------|----------------------------------|--------------------|
| Method | Analyte | CAS | MCL | Groundwater Conc, mg/L | VI Carcinogenic Risk CR | VI Hazard HQ |
| 8260B | BENZENE | 71-43-2 | 0.005 | <0.00100 | - | - |
| 8260B | CHLOROFORM | 67-66-3 | 0.08 | 0.522 | 1.47E-04 | 1.83E-01 |

- 0.129 - Samples exceeding MCL
- Samples exceeding MCL and VI Carcinogenic Risk of 10E-6 or VI Hazard Quotient of 0.1
- Date Collected : 10/14/2021 - 10/17/2021
- All concentrations are in milligrams per liter (mg/l).

Appendix A – Soil Boring Photographs



Soil Borings Wood Yard Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

WYLF-SB-1 : wood chips to 2 feet; orange clayey sandy silt to 8 feet



WYLF-SB-2: brown micaceous silt to 3.3 ft; wood (log) fragments 3.3 to 4.5 feet; brown micaceous silt to 5.3 feet

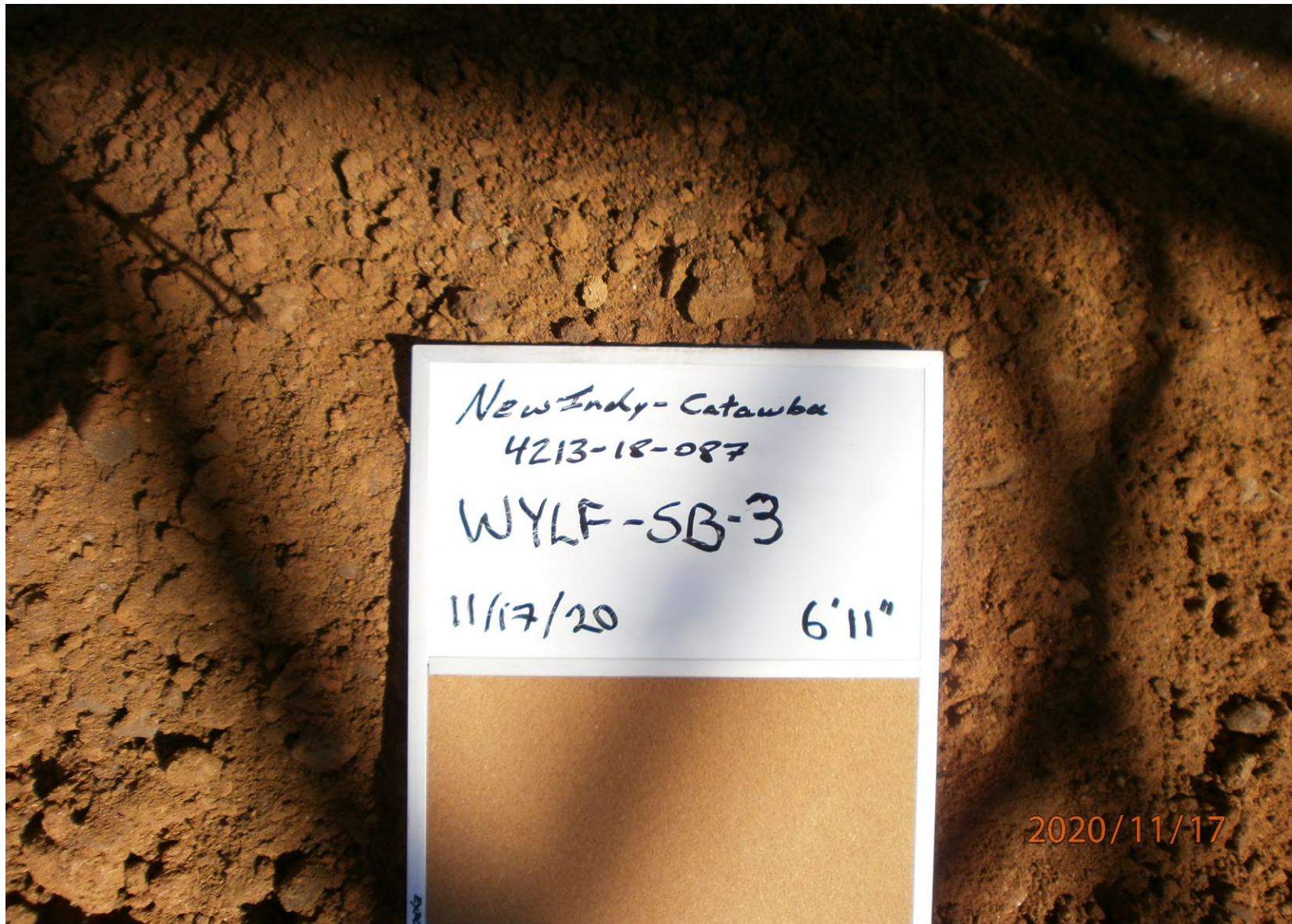




Soil Borings - Wood Yard Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

WYLF-SB-3 : wood chips/gravel stone to 0.7 feet; brown orange clayey silt to 6.9 feet



WYLF-SB-4: wood debris to 0.3 ft; brown orange clayey silt to 1.5 feet; refusal on concrete debris at 1.5 feet





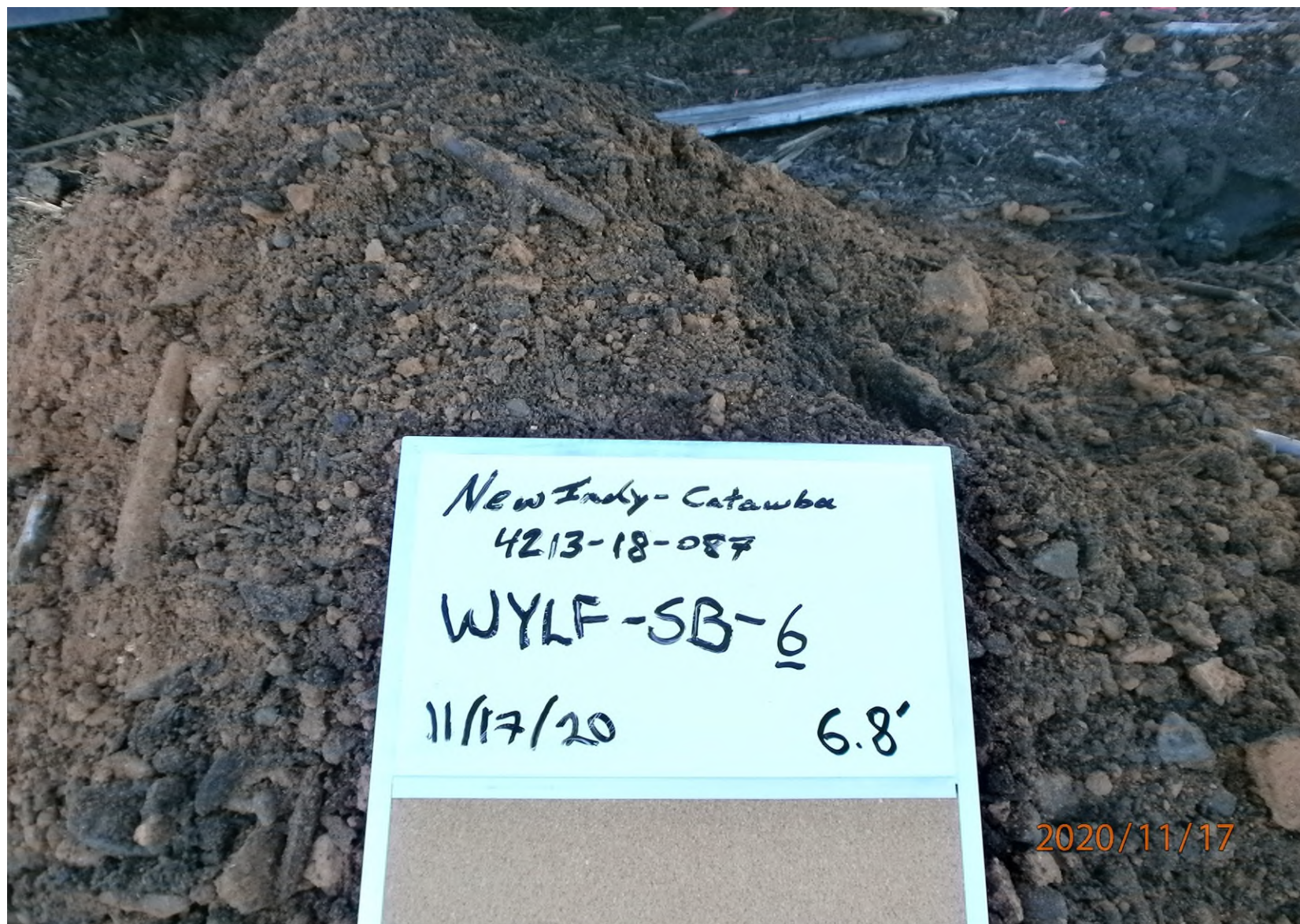
Soil Borings - Wood Yard Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

WYLF-SB-5 : wood log debris to 0.25 feet; brown micaceous fine sandy silt to 10 feet



WYLF-SB-6: wood chips to 0.5 ft; orange clayey silt to 1.5 feet; decomposed organic/wood debris to 2 feet; orange clayey silt to 7 feet





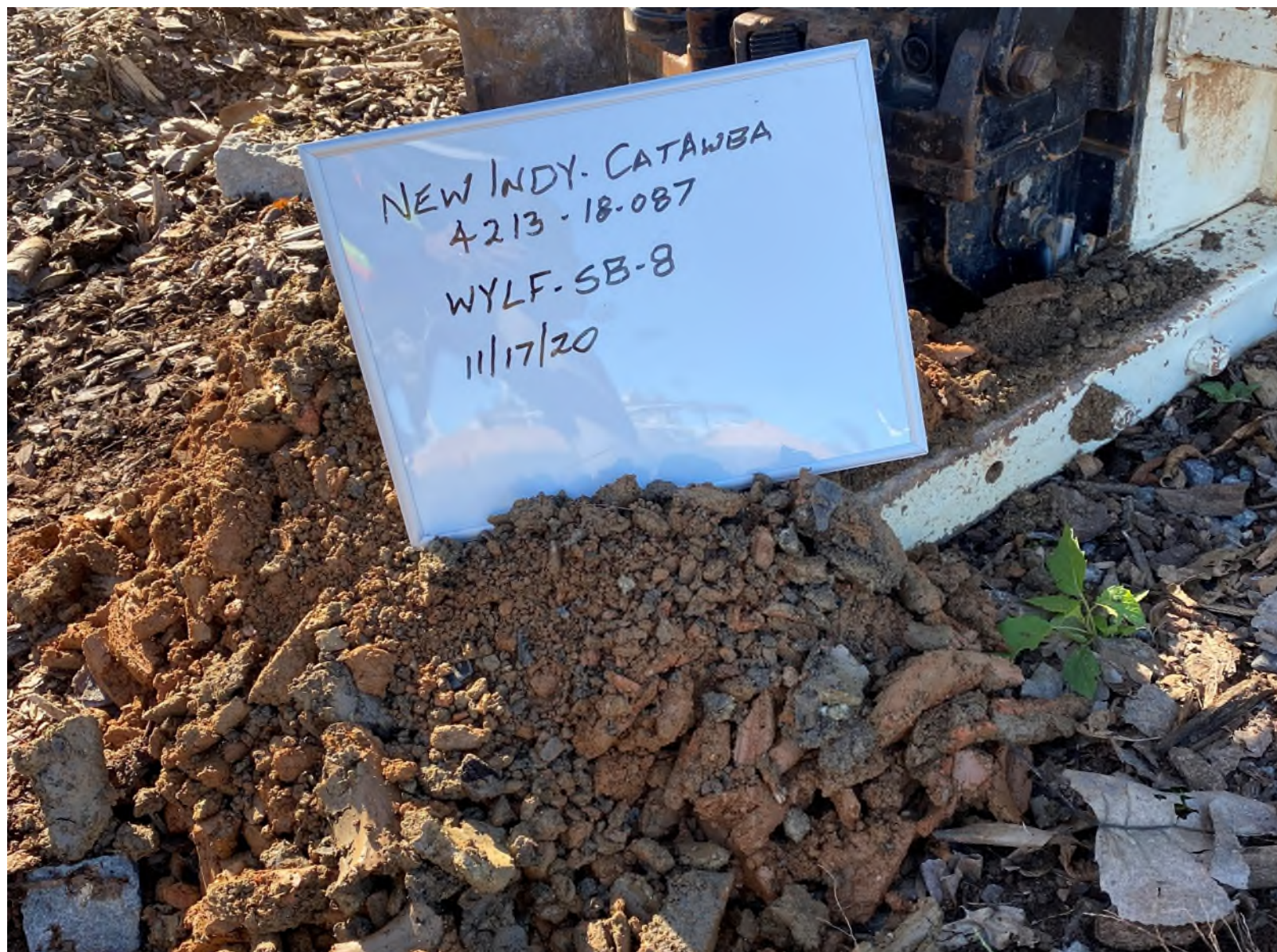
Soil Borings - Wood Yard Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

WYLF-SB-7 : brown micaceous fine to medium sandy silt to 10 feet



WYLF-SB-8: brown micaceous fine to medium sandy silt to 10 feet





Soil Borings - Wood Yard Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

WYLF-SB-9 : red brown silty clay to 10 feet



WYLF-SB-10: red brown silty clay to 10 feet





Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

R32-SB-1 brown micaceous fine to coarse sandy silt to 10 ft; gravel stone layer at 3 ft



R32-SB-2 brown micaceous fine to coarse sandy silt to 10 ft





Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

R32-SB-3 brown micaceous fine to coarse sandy silt to 10 ft



R32-SB-4 brown micaceous fine sandy silt with some clay to 10 ft



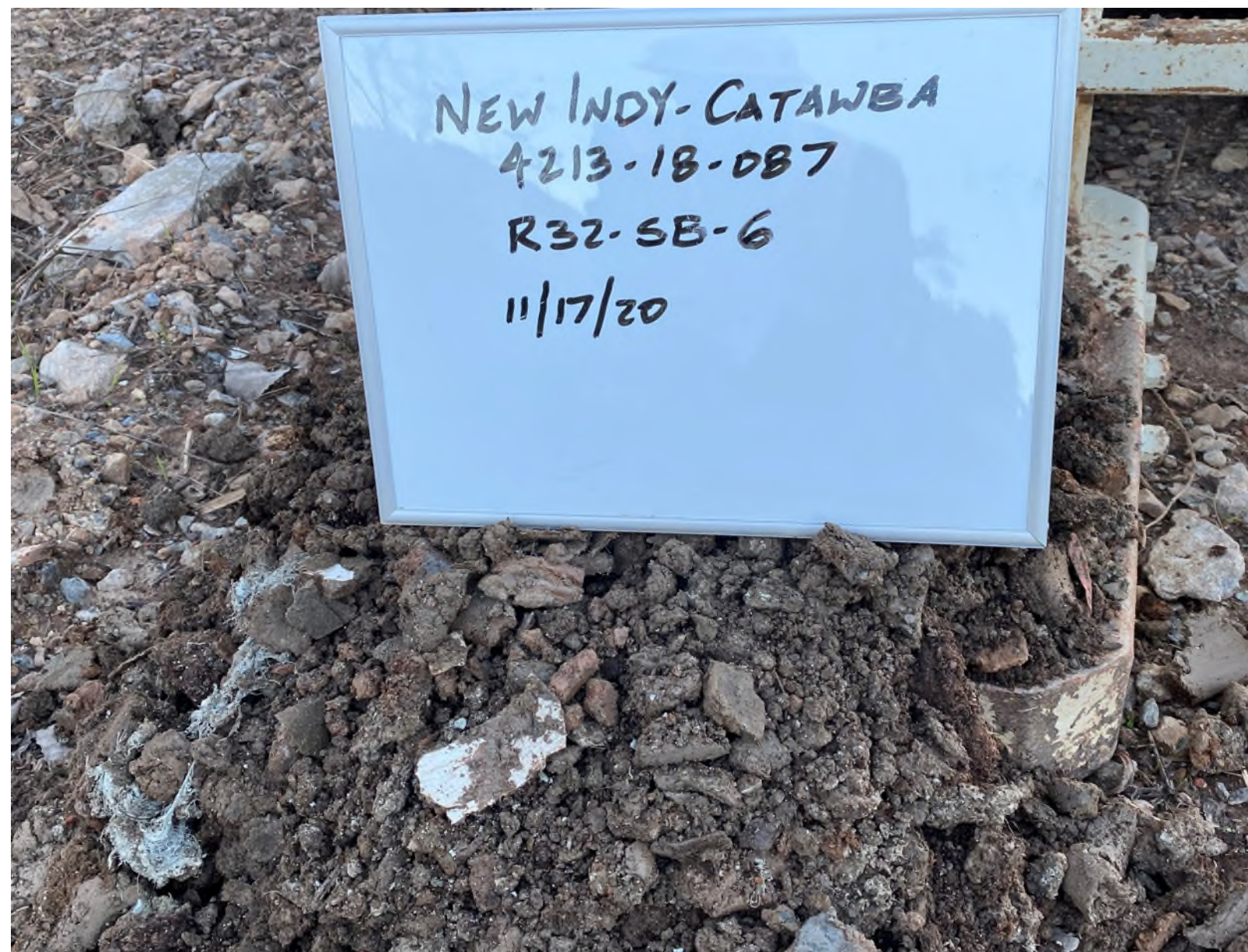
Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

R32-SB-5 brown micaceous fine sandy silt with some clay to 10 ft



R32-SB-6 brown micaceous sand to 3 ft; wood debris, particle board fragments, vinyl sheeting to 7 ft; brown micaceous silt to 10 ft





Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

**R32-SB-7 brown micaceous sand to 3 ft; wood debris, concrete debris, vinyl sheeting to 6 ft
brown micaceous sand to 10 ft**



R32-SB-8 brown micaceous sand to 1 ft; concrete debris to 2 ft; brown micaceous sand to 10 ft





Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

R32-SB-9 orange brown micaceous silt to 2.8 ft; plaster debris to 3.8 ft;
brown micaceous sand to 8 ft



R32-SB-10 orange brown micaceous silt to 2.4 ft; metal and paper debris to 3.2 ft; brown micaceous sand to 7.2 ft





Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

**R32-SB-11 brown micaceous sand to 2 ft; metal, wire, concrete debris to 6 ft;
brown micaceous sand to 10 ft**



R32-SB-12 brown micaceous silt to 10 ft





Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

R32-SB-13 brown micaceous sand to 10 ft



R32-SB-14 brown micaceous sand to 3 ft; plastic debris to 5 ft; brown micaceous silt to 10 ft






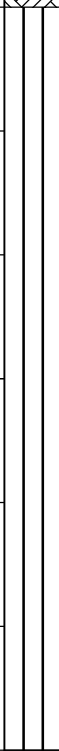
Soil Borings - Georgia Pacific Landfill

New Indy - Catawba Mill
Catawba, South Carolina
S&ME Project No. 4213-18-087

**R32-SB-15 brown micaceous sand to 2 ft; concrete and plastic debris to 4 ft; refusal on
concrete debris at 4 ft**



Appendix B – Log of Borings

| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-1 | | | | | | | |
|--|--|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 8.0 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Wood Chips | | | | | | | | | |
| 5 |  | Orange Clayey Sandy SILT | | | | | | | | | |
| | | Boring Terminated at 8 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.





| PROJECT: | | New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | BORING LOG WYLF-SB-2 | | | | | | |
|-----------------------------------|-------------|--|-------------|-------------------------|------------------------|---|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | | NOTES: | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 6.0 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | | Gravel Stone | | | | | | | | | |
| | | Brown micaceous SILT | | | | | | | | | |
| | | Wood (log) fragments | | | | | | | | | |
| 5 | | Brown micaceous SILT | | | | | | | | | |
| | | Boring Terminated at 5.3 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.




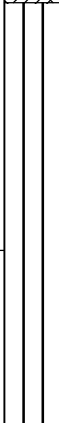
| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-3 | | | | | | | |
|--|---|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 7.0 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Wood Chips | | | | | | | | | |
| |  | Gravel Stone | | | | | | | | | |
| | | Brown Orange Clayey SILT | | | | | | | | | |
| 5 | | | | | | | | | | | |
| | | Boring Terminated at 6.9 feet below land surface | | | | | | | | | |

BORING LOG - CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

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4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.




| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-4 | | | | | | | |
|--|--|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 1.5 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Wood Debris | | | | | | | | | |
| |  | Brown Orange Clayey SILT | | | | | | | | | |
| | | Refusal on concrete debris at 1.5 feet below land surface; offset 4 locations nearby, each encountered refusal on concrete debris | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.






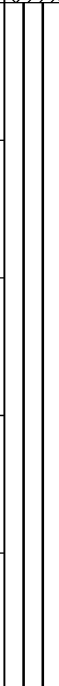
| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-5 | | | | | | | |
|--|---|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Wood log debris | | | | | | | | | |
| 5 | | Brown micaceous fine sandy SILT | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-6 | | | | | | | |
|--|--|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 7.0 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Wood chips | | | | | | | | | |
| |  | Orange clayey SILT | | | | | | | | | |
| |  | Decomposed organic/wood debris | | | | | | | | | |
| |  | Orange clayey SILT | | | | | | | | | |
| 5 | | | | | | | | | | | |
| | | Boring Terminated at 7 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-7 | | | | | | | |
|--|----------------|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Brown micaceous fine to medium sandy SILT | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

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3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-8 | | | | | | | |
|--|----------------|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Brown micaceous fine to medium sandy SILT | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-9 | | | | | | | |
|--|----------------|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Red brown silty CLAY | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG WYLF-SB-10 | | | | | | | |
|--|----------------|---|-------------|------------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Red brown silty CLAY | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-1 | | | | | | | | |
|--|----------------|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|--|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE | |
| | | | | | | 10 | 20 | 30 | 60 | 80 | | |
| | | Brown micaceous fine to coarse sandy SILT | | | | | | | | | | |
| | | Gravel stone | | | | | | | | | | |
| 5 | | Brown micaceous fine to coarse sandy SILT | | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-2 | | | | | | | |
|--|----------------|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Brown micaceous fine to coarse sandy SILT | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-3 | | | | | | | |
|--|----------------|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Brown micaceous fine to coarse sandy SILT | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-4 | | | | | | | | |
|--|----------------|---|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|--|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE | |
| | | | | | | 10 | 20 | 30 | 60 | 80 | | |
| 5 | | Brown micaceous fine sandy SILT ; with some clay | | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-5 | | | | | | | | |
|--|----------------|---|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|--|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE | |
| | | | | | | 10 | 20 | 30 | 60 | 80 | | |
| 5 | | Brown micaceous fine sandy SILT ; with some clay | | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-6 | | | | | | | | |
|--|----------------|---|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|--|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE | |
| | | | | | | 10 | 20 | 30 | 60 | 80 | | |
| | | Brown micaceous silty fine to medium SAND | | | | | | | | | | |
| 5 | | Wood debris, particle board fragments, vinyl sheeting | | | | | | | | | | |
| | | Brown micaceous sandy SILT | | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-7 | | | | | | | |
|--|----------------|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | | Brown micaceous silty fine to coarse SAND | | | | | | | | | |
| 5 | | Wood debris, concrete debris, vinyl sheeting | | | | | | | | | |
| | | Brown micaceous silty SAND ; with some clay | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.





| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-8 | | | | | | | |
|--|----------------|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/18/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | | Brown micaceous fine to medium SAND | | | | | | | | | |
| | | Concrete debris | | | | | | | | | |
| 5 | | Brown micaceous silty SAND ; with some clay | | | | | | | | | |
| 10 | | Boring terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.




| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOGR32-SB-9 | | | | | | | |
|--|--|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 8.0 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | | Orange brown micaceous clayey SILT | | | | | | | | | |
| |  | Plaster debris | | | | | | | | | |
| 5 |  | Brown micaceous silty SAND ; with some clay | | | | | | | | | |
| | | Boring terminated at 8 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-10 | | | | | | | |
|--|---|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/17/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Air Knife/Vacuum | | BORING DEPTH: 8.0 | | | | | | | | | |
| LOGGED BY: John Nyvall | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: D Conoly | | DRILL RIG: Vacuum Truck | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | | Orange brown micaceous SILT | | | | | | | | | |
| |  | Metal, paper debris | | | | | | | | | |
| 5 | | Brown micaceous silty SAND ; with some clay | | | | | | | | | |
| | | Boring terminated at 7.2 feet below land surface | | | | | | | | | |

BORING LOG, CATAWBA MILL, MONITORING WELL LOGS.GPJ, S&ME.GDT, 4/21/21

NOTES:

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2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-11 | | | | | | | |
|--|-----------------------|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/18/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | [Dotted pattern] | Brown micaceous fine to coarse SAND | | | | | | | | | |
| | [Cross-hatch pattern] | metal/wire debris, concrete debris | | | | | | | | | |
| 5 | | | | | | | | | | | |
| | [Dotted pattern] | Brown micaceous fine to coarse SAND | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

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3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-12 | | | | | | | |
|--|----------------|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/18/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Brown micaceous fine sandy SILT | | | | | | | | | |
| 10 | | Boring Terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-13 | | | | | | | |
|--|----------------|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/18/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| 5 | | Brown micaceous fine to medium SAND ; with some clay | | | | | | | | | |
| 10 | | Boring terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-14 | | | | | | | |
|--|----------------|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 11/18/20 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 10.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| | ••••• | Brown micaceous fine to medium SAND | | | | | | | | | |
| | X X X X X | Plastic debris | | | | | | | | | |
| 5 | | | | | | | | | | | |
| | ••••• | Brown micaceous SILT ; with some clay | | | | | | | | | |
| 10 | | Boring terminated at 10 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.




| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-15 | | | | | | | | |
|--|----------------|---|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|--|
| DATE DRILLED: 11/18/20 | | ELEVATION: | | NOTES: | | | | | | | | |
| DRILLING METHOD: 8-Inch Hollow Stem Augers | | BORING DEPTH: 4.0 | | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | | |
| DRILLER: R Taylor | | DRILL RIG: Geoprobe 6010DT | | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE | |
| | | | | | | 10 | 20 | 30 | 60 | 80 | | |
| | ••••• | Brown micaceous fine to coarse SAND | | | | | | | | | | |
| | X X X X | Concrete debris, plastic debris | | | | | | | | | | |
| | | Refusal encountered on concrete debris at 4 feet below land surface | | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.




| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-16 | | | | | | | |
|--|---|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 3/30/21 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Hand Auger | | BORING DEPTH: 5.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: S Dacus | | DRILL RIG: Hand Auger | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Concrete slab | | | | | | | | | |
| | | Tan red SILT ; w/ rock fragments (residuum) | | | | | | | | | |
| 5 | | Boring terminated at 5 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



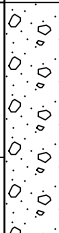

| PROJECT: New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | | BORING LOG R32-SB-17 | | | | | | | |
|--|---|--|-------------|-----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 3/30/21 | | ELEVATION: | | NOTES: | | | | | | | |
| DRILLING METHOD: Hand Auger | | BORING DEPTH: 5.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: S Dacus | | DRILL RIG: Hand Auger | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Concrete slab | | | | | | | | | |
| | | Tan red SILT ; w/ rock fragments (residuum) | | | | | | | | | |
| 5 | | Boring terminated at 5 feet below land surface | | | | | | | | | |

BORING LOG: CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



| PROJECT: | | New Indy Catawba, South Carolina S&ME Project No. S&ME 4213-18-087 | | | BORING LOG R32-SB-18 | | | | | | |
|-----------------------------|--|--|-------------|----------------------------|---------------------------|--|----|----|----|----|---------|
| DATE DRILLED: 3/30/21 | | ELEVATION: | | | NOTES: | | | | | | |
| DRILLING METHOD: Hand Auger | | BORING DEPTH: 5.0 | | | | | | | | | |
| LOGGED BY: Scott Dacus | | WATER LEVEL: not encountered | | | | | | | | | |
| DRILLER: S Dacus | | DRILL RIG: Hand Auger | | | | | | | | | |
| DEPTH (feet) | GRAPHIC LOG | MATERIAL DESCRIPTION | WATER LEVEL | ELEVATION (feet-NGVD29) | SAMPLE NO. SAMPLE TYPE | STANDARD PENETRATION TEST DATA (blows/ft) | | | | | N VALUE |
| | | | | | | 10 | 20 | 30 | 60 | 80 | |
| |  | Gravel stone | | | | | | | | | |
| |  | Brown clayey SILT | | | | | | | | | |
| 5 | | Boring terminated at 5 feet below land surface | | | | | | | | | |

BORING LOG CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

NOTES:

1. THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.
2. BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.
3. STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.
4. WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.



Appendix C – Well Completion Reports

WELL COMPLETION REPORT FOR R1-MW-3

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/16/21, 14.73' BTOC**

LATITUDE: **34° 50' 42"**

LONGITUDE: **-80° 53' 12"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**














TOP OF CASING ELEVATION: **527.66**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/3/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS |
|---|---|-------------|--------------|----------------------|--------|-----------------|--|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | |
| | | 0 | | 0.0 | GS | 528.0 | PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches |
| | | 0.8 | | 0.8 | TOC | 527.2 | |
| Vacuum Excavation | | 5 | | | | | RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 15 feet BLS |
| | | 10 | | | | | |
| | | 11.0 | | 11.0 | CG | 517.0 | GROUT Type: Portland Interval: 0 to 11 feet BLS |
| | | 13.0 | | 13.0 | BS | 515.0 | |
| | | 15.0 | | 15.0 | TSC | 513.0 | SEAL Type: Bentonite Interval: 11 to 13 ft BLS |
| Auger Boring Cuttings sampled as Reddish/Brown, Silty fine to medium SAND | | 20 | | | | | |
| | | 25.0 | | 25.0 | BSC | 503.0 | FILTERPACK Type: Sand Interval: 13 to 25 feet BLS |
| Boring Terminated at 25 feet below land surface | | 25 | | | | | |
| | | | | | | | SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 15 to 25 feet BLS |
| | | | | | | | |
| LEGEND | | | | | | | |
| |  | FILTER PACK | ALS | ABOVE LAND SURFACE | | | |
| |  | BENTONITE | BLS | BELOW LAND SURFACE | | | |
| |  | TOC | TOC | TOP OF CASING | | | |
| |  | GS | GS | GROUND SURFACE | | | |
| |  | BS | BS | BENTONITE SEAL | | | |
| |  | BOC | BOC | BASE OF OUTER CASING | | | |
| |  | FP | FP | FILTER PACK | | | |
| |  | TSC | TSC | TOP OF SCREEN | | | |
| |  | BSC | BSC | BOTTOM OF SCREEN | | | |
| |  | TD | TD | TOTAL DEPTH | | | |
| |  | CG | CG | CEMENT GROUT | | | |
| |  | | | STATIC WATER LEVEL | | | |
| |  | | | WATER LEVEL AT TOB | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R1-MW-3**

WELL COMPLETION REPORT FOR R4-MW-1

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/16/21, 11.84' BTOC**

LATITUDE: **34° 50' 39"**

LONGITUDE: **-80° 53' 18"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**




















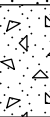

TOP OF CASING ELEVATION: **531.42**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/2/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|----------------------|-------------|--------|-----------------|--|---|-------------|-----|--------------------|---|-----------|-----|--------------------|---|--------------|-----|---------------|---|---------------------|----|----------------|---|--------------------|----|----------------|---|--------------------|-----|----------------------|--|--|----|-------------|--|--|-----|---------------|--|--|-----|------------------|--|--|----|-------------|--|--|----|--------------|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | | 0.0 | GS | 532.0 | <p>PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches</p> <p>RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 8 feet BLS</p> <p>GROUT Type: Portland Interval: 0 to 4 feet BLS</p> <p>SEAL Type: Bentonite Interval: 4 to 6 ft BLS</p> <p>FILTERPACK Type: Sand Interval: 6 to 18 feet BLS</p> <p>SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 8 to 18 feet BLS</p> <p>LEGEND</p> <table style="font-size: small;"> <tr> <td></td> <td>FILTER PACK</td> <td>ALS</td> <td>ABOVE LAND SURFACE</td> </tr> <tr> <td></td> <td>BENTONITE</td> <td>BLS</td> <td>BELOW LAND SURFACE</td> </tr> <tr> <td></td> <td>CEMENT GROUT</td> <td>TOC</td> <td>TOP OF CASING</td> </tr> <tr> <td></td> <td>CUTTINGS / BACKFILL</td> <td>GS</td> <td>GROUND SURFACE</td> </tr> <tr> <td></td> <td>STATIC WATER LEVEL</td> <td>BS</td> <td>BENTONITE SEAL</td> </tr> <tr> <td></td> <td>WATER LEVEL AT TOB</td> <td>BOC</td> <td>BASE OF OUTER CASING</td> </tr> <tr> <td></td> <td></td> <td>FP</td> <td>FILTER PACK</td> </tr> <tr> <td></td> <td></td> <td>TSC</td> <td>TOP OF SCREEN</td> </tr> <tr> <td></td> <td></td> <td>BSC</td> <td>BOTTOM OF SCREEN</td> </tr> <tr> <td></td> <td></td> <td>TD</td> <td>TOTAL DEPTH</td> </tr> <tr> <td></td> <td></td> <td>CG</td> <td>CEMENT GROUT</td> </tr> </table> |  | FILTER PACK | ALS | ABOVE LAND SURFACE |  | BENTONITE | BLS | BELOW LAND SURFACE |  | CEMENT GROUT | TOC | TOP OF CASING |  | CUTTINGS / BACKFILL | GS | GROUND SURFACE |  | STATIC WATER LEVEL | BS | BENTONITE SEAL |  | WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING | | | FP | FILTER PACK | | | TSC | TOP OF SCREEN | | | BSC | BOTTOM OF SCREEN | | | TD | TOTAL DEPTH | | | CG | CEMENT GROUT |
|  | FILTER PACK | ALS | ABOVE LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BENTONITE | BLS | BELOW LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CEMENT GROUT | TOC | TOP OF CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CUTTINGS / BACKFILL | GS | GROUND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | STATIC WATER LEVEL | BS | BENTONITE SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | FP | FILTER PACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TSC | TOP OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | BSC | BOTTOM OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TD | TOTAL DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CG | CEMENT GROUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuum Excavation | | | | 0.8 | TOC | 531.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air Hammer Boring Cuttings sampled as hard packed clayey, fine to medium SAND |  | | | 4.0 | CG | 528.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Concrete (floor/foundation of former building) |  | | | 6.0 | BS | 526.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 | | 8.0 | TSC | 524.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10 | | 18.0 | BSC | 514.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auger Boring Cuttings sampled as tan, silty, fine to medium SAND |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boring Terminated at 18 feet below land surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R4-MW-1**

WELL COMPLETION REPORT FOR R4-MW-2

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/16/21, 17.64' BTOC**

LATITUDE: **34° 50' 38"**

LONGITUDE: **-80° 53' 15"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**



























TOP OF CASING ELEVATION: **531.94**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/2/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------|----------------------|-------------|--------|-----------------|--|---|-------------|-----|--------------------|---|-----------|-----|--------------------|---|--------------|-----|---------------|---|---------------------|----|----------------|---|--|----|----------------|---|--|-----|----------------------|---|--------------------|----|-------------|---|--------------------|-----|---------------|--|--|-----|------------------|--|--|----|-------------|--|--|----|--------------|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | | 0.0 | GS | 532.5 | <p>PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches</p> <p>RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 8 feet BLS</p> <p>GROUT Type: Portland Interval: 0 to 4 feet BLS</p> <p>SEAL Type: Bentonite Interval: 4 to 6 ft BLS</p> <p>FILTERPACK Type: Sand Interval: 6 to 18 feet BLS</p> <p>SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 8 to 18 feet BLS</p> <p>LEGEND</p> <table style="font-size: small;"> <tr> <td></td> <td>FILTER PACK</td> <td>ALS</td> <td>ABOVE LAND SURFACE</td> </tr> <tr> <td></td> <td>BENTONITE</td> <td>BLS</td> <td>BELOW LAND SURFACE</td> </tr> <tr> <td></td> <td>CEMENT GROUT</td> <td>TOC</td> <td>TOP OF CASING</td> </tr> <tr> <td></td> <td>CUTTINGS / BACKFILL</td> <td>GS</td> <td>GROUND SURFACE</td> </tr> <tr> <td></td> <td></td> <td>BS</td> <td>BENTONITE SEAL</td> </tr> <tr> <td></td> <td></td> <td>BOC</td> <td>BASE OF OUTER CASING</td> </tr> <tr> <td></td> <td>STATIC WATER LEVEL</td> <td>FP</td> <td>FILTER PACK</td> </tr> <tr> <td></td> <td>WATER LEVEL AT TOB</td> <td>TSC</td> <td>TOP OF SCREEN</td> </tr> <tr> <td></td> <td></td> <td>BSC</td> <td>BOTTOM OF SCREEN</td> </tr> <tr> <td></td> <td></td> <td>TD</td> <td>TOTAL DEPTH</td> </tr> <tr> <td></td> <td></td> <td>CG</td> <td>CEMENT GROUT</td> </tr> </table> |  | FILTER PACK | ALS | ABOVE LAND SURFACE |  | BENTONITE | BLS | BELOW LAND SURFACE |  | CEMENT GROUT | TOC | TOP OF CASING |  | CUTTINGS / BACKFILL | GS | GROUND SURFACE |  | | BS | BENTONITE SEAL |  | | BOC | BASE OF OUTER CASING |  | STATIC WATER LEVEL | FP | FILTER PACK |  | WATER LEVEL AT TOB | TSC | TOP OF SCREEN | | | BSC | BOTTOM OF SCREEN | | | TD | TOTAL DEPTH | | | CG | CEMENT GROUT |
|  | FILTER PACK | ALS | ABOVE LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BENTONITE | BLS | BELOW LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CEMENT GROUT | TOC | TOP OF CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CUTTINGS / BACKFILL | GS | GROUND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | BS | BENTONITE SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | BOC | BASE OF OUTER CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | STATIC WATER LEVEL | FP | FILTER PACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | WATER LEVEL AT TOB | TSC | TOP OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | BSC | BOTTOM OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TD | TOTAL DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CG | CEMENT GROUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuum Excavation | | | | 0.8 | TOC | 531.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Concrete (floor/foundation of former building) |  | | | 4.0 | CG | 528.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 | | 6.0 | BS | 526.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 8.0 | TSC | 524.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auger Boring Cuttings sampled as brown, silty, fine to medium SAND |  | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boring Terminated at 18 feet below land surface | | | | 18.0 | BSC | 514.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R4-MW-2**

WELL COMPLETION REPORT FOR R12-MW-1

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 16.11' BTOC**

LATITUDE: **34° 50' 38"**

LONGITUDE: **-80° 53' 18"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**

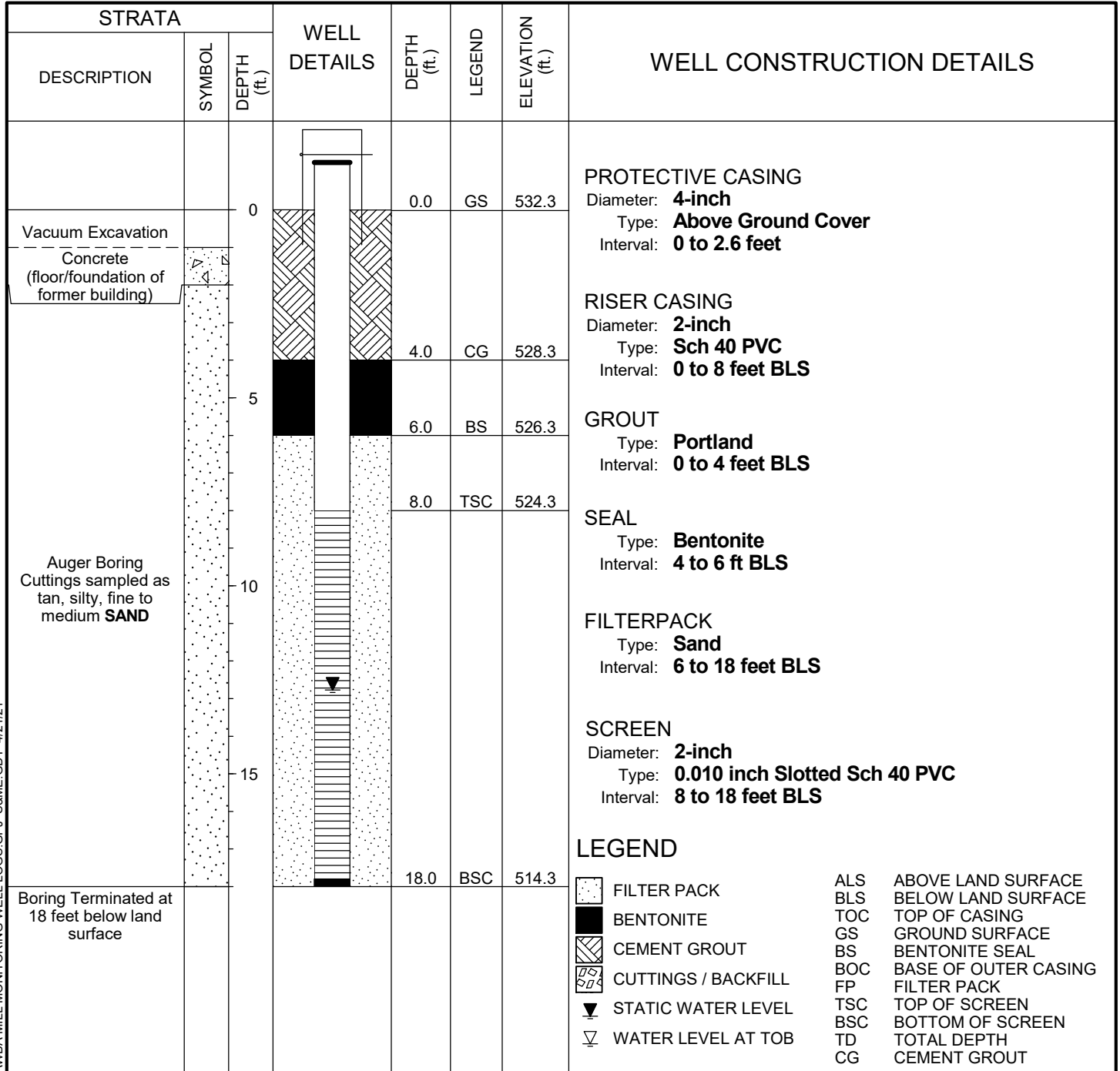
TOP OF CASING ELEVATION: **535.64**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/3/21**

LOGGED BY: **Scott Dacus**



MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R12-MW-1**

WELL COMPLETION REPORT FOR R15-MW-1

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 7.40' BTOC**

LATITUDE: **34° 50' 37"**

LONGITUDE: **-80° 53' 25"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**


























TOP OF CASING ELEVATION: **531.47**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/2/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------|-------------|--|-------------|--------|-----------------|---|---|-------------|-----|--------------------|---|-----------|-----|--------------------|---|--------------|-----|---------------|---|---------------------|----|----------------|---|--------------------|----|----------------|---|--------------------|-----|----------------------|--|--|----|-------------|--|--|-----|---------------|--|--|-----|------------------|--|--|----|-------------|--|--|----|--------------|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 |  | 0.0 | GS | 531.7 | <p>PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches</p> <p>RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 8 feet BLS</p> <p>GROUT Type: Portland Interval: 0 to 4 feet BLS</p> <p>SEAL Type: Bentonite Interval: 4 to 6 ft BLS</p> <p>FILTERPACK Type: Sand Interval: 6 to 18 feet BLS</p> <p>SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 8 to 18 feet BLS</p> <p>LEGEND</p> <table style="font-size: small;"> <tr><td></td><td>FILTER PACK</td><td>ALS</td><td>ABOVE LAND SURFACE</td></tr> <tr><td></td><td>BENTONITE</td><td>BLS</td><td>BELOW LAND SURFACE</td></tr> <tr><td></td><td>CEMENT GROUT</td><td>TOC</td><td>TOP OF CASING</td></tr> <tr><td></td><td>CUTTINGS / BACKFILL</td><td>GS</td><td>GROUND SURFACE</td></tr> <tr><td></td><td>STATIC WATER LEVEL</td><td>BS</td><td>BENTONITE SEAL</td></tr> <tr><td></td><td>WATER LEVEL AT TOB</td><td>BOC</td><td>BASE OF OUTER CASING</td></tr> <tr><td></td><td></td><td>FP</td><td>FILTER PACK</td></tr> <tr><td></td><td></td><td>TSC</td><td>TOP OF SCREEN</td></tr> <tr><td></td><td></td><td>BSC</td><td>BOTTOM OF SCREEN</td></tr> <tr><td></td><td></td><td>TD</td><td>TOTAL DEPTH</td></tr> <tr><td></td><td></td><td>CG</td><td>CEMENT GROUT</td></tr> </table> |  | FILTER PACK | ALS | ABOVE LAND SURFACE |  | BENTONITE | BLS | BELOW LAND SURFACE |  | CEMENT GROUT | TOC | TOP OF CASING |  | CUTTINGS / BACKFILL | GS | GROUND SURFACE |  | STATIC WATER LEVEL | BS | BENTONITE SEAL |  | WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING | | | FP | FILTER PACK | | | TSC | TOP OF SCREEN | | | BSC | BOTTOM OF SCREEN | | | TD | TOTAL DEPTH | | | CG | CEMENT GROUT |
|  | FILTER PACK | ALS | ABOVE LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BENTONITE | BLS | BELOW LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CEMENT GROUT | TOC | TOP OF CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CUTTINGS / BACKFILL | GS | GROUND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | STATIC WATER LEVEL | BS | BENTONITE SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | FP | FILTER PACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TSC | TOP OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | BSC | BOTTOM OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TD | TOTAL DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CG | CEMENT GROUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.8 |  | 0.8 | TOC | 531.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4.0 |  | 4.0 | CG | 527.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuum Excavation | | 5 |  | 6.0 | BS | 525.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8.0 |  | 8.0 | TSC | 523.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auger Boring Cuttings sampled as Brown, Micaceous, Silty, Clayey, fine to medium SAND | | 10 |  | 18.0 | BSC | 513.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boring Terminated at 18 feet below land surface | | 15 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R15-MW-1**

WELL COMPLETION REPORT FOR R15-MW-2

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 6.63' BTOC**

LATITUDE: **34° 50' 37"**

LONGITUDE: **-80° 53' 25"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**










































TOP OF CASING ELEVATION: **531.11**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/2/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------------|---|-------------|--------|-----------------|---|---|-------------|-----|--------------------|---|-----------|-----|--------------------|---|-----|-----|---------------|---|----|----|----------------|---|----|----|----------------|---|-----|-----|----------------------|---|----|----|-------------|---|-----|-----|---------------|---|-----|-----|------------------|---|----|----|-------------|---|----|----|--------------|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 |  | 0.0 | GS | 531.4 | PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 8 feet BLS GROUT Type: Portland Interval: 0 to 4 feet BLS SEAL Type: Bentonite Interval: 4 to 6 ft BLS FILTERPACK Type: Sand Interval: 6 to 18 feet BLS SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 8 to 18 feet BLS LEGEND <table style="font-size: small; width: 100%;"> <tr> <td></td> <td>FILTER PACK</td> <td>ALS</td> <td>ABOVE LAND SURFACE</td> </tr> <tr> <td></td> <td>BENTONITE</td> <td>BLS</td> <td>BELOW LAND SURFACE</td> </tr> <tr> <td></td> <td>TOC</td> <td>TOC</td> <td>TOP OF CASING</td> </tr> <tr> <td></td> <td>GS</td> <td>GS</td> <td>GROUND SURFACE</td> </tr> <tr> <td></td> <td>BS</td> <td>BS</td> <td>BENTONITE SEAL</td> </tr> <tr> <td></td> <td>BOC</td> <td>BOC</td> <td>BASE OF OUTER CASING</td> </tr> <tr> <td></td> <td>FP</td> <td>FP</td> <td>FILTER PACK</td> </tr> <tr> <td></td> <td>TSC</td> <td>TSC</td> <td>TOP OF SCREEN</td> </tr> <tr> <td></td> <td>BSC</td> <td>BSC</td> <td>BOTTOM OF SCREEN</td> </tr> <tr> <td></td> <td>TD</td> <td>TD</td> <td>TOTAL DEPTH</td> </tr> <tr> <td></td> <td>CG</td> <td>CG</td> <td>CEMENT GROUT</td> </tr> </table> |  | FILTER PACK | ALS | ABOVE LAND SURFACE |  | BENTONITE | BLS | BELOW LAND SURFACE |  | TOC | TOC | TOP OF CASING |  | GS | GS | GROUND SURFACE |  | BS | BS | BENTONITE SEAL |  | BOC | BOC | BASE OF OUTER CASING |  | FP | FP | FILTER PACK |  | TSC | TSC | TOP OF SCREEN |  | BSC | BSC | BOTTOM OF SCREEN |  | TD | TD | TOTAL DEPTH |  | CG | CG | CEMENT GROUT |
|  | FILTER PACK | ALS | ABOVE LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BENTONITE | BLS | BELOW LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | TOC | TOC | TOP OF CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | GS | GS | GROUND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BS | BS | BENTONITE SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BOC | BOC | BASE OF OUTER CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | FP | FP | FILTER PACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | TSC | TSC | TOP OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BSC | BSC | BOTTOM OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | TD | TD | TOTAL DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CG | CG | CEMENT GROUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.8 |  | 0.8 | TOC | 530.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuum Excavation | | 4.0 |  | 4.0 | CG | 527.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 |  | 6.0 | BS | 525.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8.0 |  | 8.0 | TSC | 523.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auger Boring Cuttings sampled as Brown, Micaceous, Silty, Clayey, fine to medium SAND | | 10 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boring Terminated at 18 feet below land surface | | 18.0 |  | 18.0 | BSC | 513.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R15-MW-2**

WELL COMPLETION REPORT FOR R16-MW-1A

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 5.49' BTOC**

LATITUDE: **34° 50' 42"**

LONGITUDE: **-80° 53' 34"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**




























TOP OF CASING ELEVATION: **530.42**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/3/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|----------------|---|----------------|--------|--------------------|---|---|------------------------|---|------------------------|--|-------------------|---|-------------------|--|-------------------|--|--------------------------|--|----------------|--|-------------------|--|----------------------|--|----------------|--|-----------------|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 |  | 0.0 | GS | 530.6 | PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.8 |  | 0.8 | TOC | 529.9 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.0 |  | 2.0 | CG | 528.6 | RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 5 feet BLS | | | | | | | | | | | | | | | | | | | | | | |
| | | 4.0 |  | 4.0 | BS | 526.6 | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuum Excavation | | 5 |  | 5.0 | TSC | 525.6 | GROUT Type: Portland Interval: 0 to 2 feet BLS | | | | | | | | | | | | | | | | | | | | | | |
| | | 10 |  | | | | SEAL Type: Bentonite Interval: 2 to 4 ft BLS | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 |  | | | | FILTERPACK Type: Sand Interval: 4 to 15 feet BLS | | | | | | | | | | | | | | | | | | | | | | |
| Auger Boring Cuttings sampled as Orange/Brown, Micaceous SILT | | 15 |  | | | | SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 5 to 15 feet BLS | | | | | | | | | | | | | | | | | | | | | | |
| Boring Terminated at 15 feet below land surface | | 15 |  | 15.0 | BSC | 515.6 | LEGEND <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"> FILTER PACK</td> <td style="width: 50%;">ALS ABOVE LAND SURFACE</td> </tr> <tr> <td> BENTONITE</td> <td>BLS BELOW LAND SURFACE</td> </tr> <tr> <td> CEMENT GROUT</td> <td>TOC TOP OF CASING</td> </tr> <tr> <td> CUTTINGS / BACKFILL</td> <td>GS GROUND SURFACE</td> </tr> <tr> <td> STATIC WATER LEVEL</td> <td>BS BENTONITE SEAL</td> </tr> <tr> <td> WATER LEVEL AT TOB</td> <td>BOC BASE OF OUTER CASING</td> </tr> <tr> <td></td> <td>FP FILTER PACK</td> </tr> <tr> <td></td> <td>TSC TOP OF SCREEN</td> </tr> <tr> <td></td> <td>BSC BOTTOM OF SCREEN</td> </tr> <tr> <td></td> <td>TD TOTAL DEPTH</td> </tr> <tr> <td></td> <td>CG CEMENT GROUT</td> </tr> </table> |  FILTER PACK | ALS ABOVE LAND SURFACE |  BENTONITE | BLS BELOW LAND SURFACE |  CEMENT GROUT | TOC TOP OF CASING |  CUTTINGS / BACKFILL | GS GROUND SURFACE |  STATIC WATER LEVEL | BS BENTONITE SEAL |  WATER LEVEL AT TOB | BOC BASE OF OUTER CASING | | FP FILTER PACK | | TSC TOP OF SCREEN | | BSC BOTTOM OF SCREEN | | TD TOTAL DEPTH | | CG CEMENT GROUT |
|  FILTER PACK | ALS ABOVE LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  BENTONITE | BLS BELOW LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  CEMENT GROUT | TOC TOP OF CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  CUTTINGS / BACKFILL | GS GROUND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  STATIC WATER LEVEL | BS BENTONITE SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  WATER LEVEL AT TOB | BOC BASE OF OUTER CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FP FILTER PACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TSC TOP OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BSC BOTTOM OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TD TOTAL DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CG CEMENT GROUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R16-MW-1A**

WELL COMPLETION REPORT FOR R19-MW-2A

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 3.40' BTOC**

LATITUDE: **34° 50' 40"**

LONGITUDE: **-80° 53' 34"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**












TOP OF CASING ELEVATION: **530.98**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**







DATE COMPLETED: **3/3/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS |
|---|--------|----------------|---|----------------|--------|--------------------|---|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | |
| | | 0 |  | 0.0 | GS | 531.2 | PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches |
| | | |  | 0.8 | TOC | 530.4 | |
| | | |  | 2.0 | CG | 529.2 | RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 5 feet BLS |
| Vacuum Excavation | | |  | 4.0 | BS | 527.2 | |
| | | 5 |  | 5.0 | TSC | 526.2 | GROUT Type: Portland Interval: 0 to 2 feet BLS |
| | | |  | | | | SEAL Type: Bentonite Interval: 2 to 4 ft BLS |
| | | |  | | | | FILTERPACK Type: Sand Interval: 4 to 15 feet BLS |
| | | 10 |  | | | | SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 5 to 15 feet BLS |
| Auger Boring Cuttings sampled as Orange/Brown, Micaceous SILT | | |  | | | | |
| | | 15 |  | 15.0 | BSC | 516.2 | |
| Boring Terminated at 15 feet below land surface | | |  | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21

LEGEND

| | | | |
|---|---------------------|-----|----------------------|
|  | FILTER PACK | ALS | ABOVE LAND SURFACE |
| | | BLS | BELOW LAND SURFACE |
| | | TOC | TOP OF CASING |
| | | GS | GROUND SURFACE |
| | | BS | BENTONITE SEAL |
| | | BOC | BASE OF OUTER CASING |
| | | FP | FILTER PACK |
| | | TSC | TOP OF SCREEN |
| | | BSC | BOTTOM OF SCREEN |
| | | TD | TOTAL DEPTH |
| | | CG | CEMENT GROUT |
|  | BENTONITE | | |
|  | CEMENT GROUT | | |
|  | CUTTINGS / BACKFILL | | |
|  | STATIC WATER LEVEL | | |
|  | WATER LEVEL AT TOB | | |



**COMPLETION REPORT OF
WELL No. R19-MW-2A**

WELL COMPLETION REPORT FOR R19-MW-4

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 3.24' BTOC**

LATITUDE: **34° 50' 41"**

LONGITUDE: **-80° 53' 32"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**

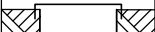


























TOP OF CASING ELEVATION: **531.02**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/3/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-------------|---|-------------|--------|-----------------|---|---|-------------|-----|--------------------|---|-----------|-----|--------------------|---|--------------|-----|---------------|---|---------------------|----|----------------|---|--------------------|----|----------------|---|--------------------|-----|----------------------|--|--|----|-------------|--|--|-----|---------------|--|--|-----|------------------|--|--|----|-------------|--|--|----|--------------|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 |  | 0.0 | GS | 531.2 | PROTECTIVE CASING Diameter: 8-inch Type: Manhole Cover Interval: 0 to 12 inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | |  | 0.8 | TOC | 530.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | |  | 2.0 | CG | 529.2 | RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 5 feet BLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | |  | 4.0 | BS | 527.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuum Excavation | | 5 |  | 5.0 | TSC | 526.2 | GROUT Type: Portland Interval: 0 to 2 feet BLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | |  | | | | SEAL Type: Bentonite Interval: 2 to 4 ft BLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10 |  | | | | FILTERPACK Type: Sand Interval: 4 to 15 feet BLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auger Boring Cuttings sampled as Orange/Brown, Micaceous SILT | | |  | | | | SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 5 to 15 feet BLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boring Terminated at 15 feet below land surface | | 15 |  | 15.0 | BSC | 516.2 | LEGEND <table style="font-size: small; margin-top: 10px;"> <tr> <td></td> <td>FILTER PACK</td> <td>ALS</td> <td>ABOVE LAND SURFACE</td> </tr> <tr> <td></td> <td>BENTONITE</td> <td>BLS</td> <td>BELOW LAND SURFACE</td> </tr> <tr> <td></td> <td>CEMENT GROUT</td> <td>TOC</td> <td>TOP OF CASING</td> </tr> <tr> <td></td> <td>CUTTINGS / BACKFILL</td> <td>GS</td> <td>GROUND SURFACE</td> </tr> <tr> <td></td> <td>STATIC WATER LEVEL</td> <td>BS</td> <td>BENTONITE SEAL</td> </tr> <tr> <td></td> <td>WATER LEVEL AT TOB</td> <td>BOC</td> <td>BASE OF OUTER CASING</td> </tr> <tr> <td></td> <td></td> <td>FP</td> <td>FILTER PACK</td> </tr> <tr> <td></td> <td></td> <td>TSC</td> <td>TOP OF SCREEN</td> </tr> <tr> <td></td> <td></td> <td>BSC</td> <td>BOTTOM OF SCREEN</td> </tr> <tr> <td></td> <td></td> <td>TD</td> <td>TOTAL DEPTH</td> </tr> <tr> <td></td> <td></td> <td>CG</td> <td>CEMENT GROUT</td> </tr> </table> |  | FILTER PACK | ALS | ABOVE LAND SURFACE |  | BENTONITE | BLS | BELOW LAND SURFACE |  | CEMENT GROUT | TOC | TOP OF CASING |  | CUTTINGS / BACKFILL | GS | GROUND SURFACE |  | STATIC WATER LEVEL | BS | BENTONITE SEAL |  | WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING | | | FP | FILTER PACK | | | TSC | TOP OF SCREEN | | | BSC | BOTTOM OF SCREEN | | | TD | TOTAL DEPTH | | | CG | CEMENT GROUT |
|  | FILTER PACK | ALS | ABOVE LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | BENTONITE | BLS | BELOW LAND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CEMENT GROUT | TOC | TOP OF CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | CUTTINGS / BACKFILL | GS | GROUND SURFACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | STATIC WATER LEVEL | BS | BENTONITE SEAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | FP | FILTER PACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TSC | TOP OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | BSC | BOTTOM OF SCREEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TD | TOTAL DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CG | CEMENT GROUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. R19-MW-4**

WELL COMPLETION REPORT FOR DF-MW-1

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/17/21, 33.54' BTOC**

LATITUDE: **34° 50' 25"**

LONGITUDE: **-80° 53' 19"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**

TOP OF CASING ELEVATION: **527.82**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/2/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS |
|---|--------|-------------|--------------|-------------|--------|-----------------|--|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | |
| | | 0 | | 0.0 | GS | 524.7 | PROTECTIVE CASING Diameter: 4-inch Type: Above Ground Cover Interval: 0 to 2.6 feet |
| Vacuum Excavation | | 5 | | | | | RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 19 feet BLS |
| | | 10 | | | | | GROUT Type: Portland Interval: 0 to 15 feet BLS |
| | | 15 | | 15.0 | CG | 509.7 | SEAL Type: Bentonite Interval: 15 to 17 ft BLS |
| | | 17 | | 17.0 | BS | 507.7 | |
| Auger Boring Cuttings sampled as Brown, Silty, Clayey fine to medium SAND | | 20 | | 19.0 | TSC | 505.7 | FILTERPACK Type: Sand Interval: 17 to 34 feet BLS |
| | | 25 | | | | | SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 19 to 34 feet BLS |
| | | 30 | | | | | |
| Boring Terminated at 34 feet below land surface | | | | 34.0 | BSC | 490.7 | |

LEGEND

| | | | |
|--|---------------------|-----|----------------------|
| | FILTER PACK | ALS | ABOVE LAND SURFACE |
| | BENTONITE | BLS | BELOW LAND SURFACE |
| | CUTTINGS / BACKFILL | TOC | TOP OF CASING |
| | GROUT | GS | GROUND SURFACE |
| | SEAL | BS | BENTONITE SEAL |
| | STATIC WATER LEVEL | BOC | BASE OF OUTER CASING |
| | WATER LEVEL AT TOB | FP | FILTER PACK |
| | | TSC | TOP OF SCREEN |
| | | BSC | BOTTOM OF SCREEN |
| | | TD | TOTAL DEPTH |
| | | CG | CEMENT GROUT |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. DF-MW-1**

WELL COMPLETION REPORT FOR DF-MW-2

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/17/21, 31.24' BTOC**

LATITUDE: **34° 50' 28"**

LONGITUDE: **-80° 53' 13"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**

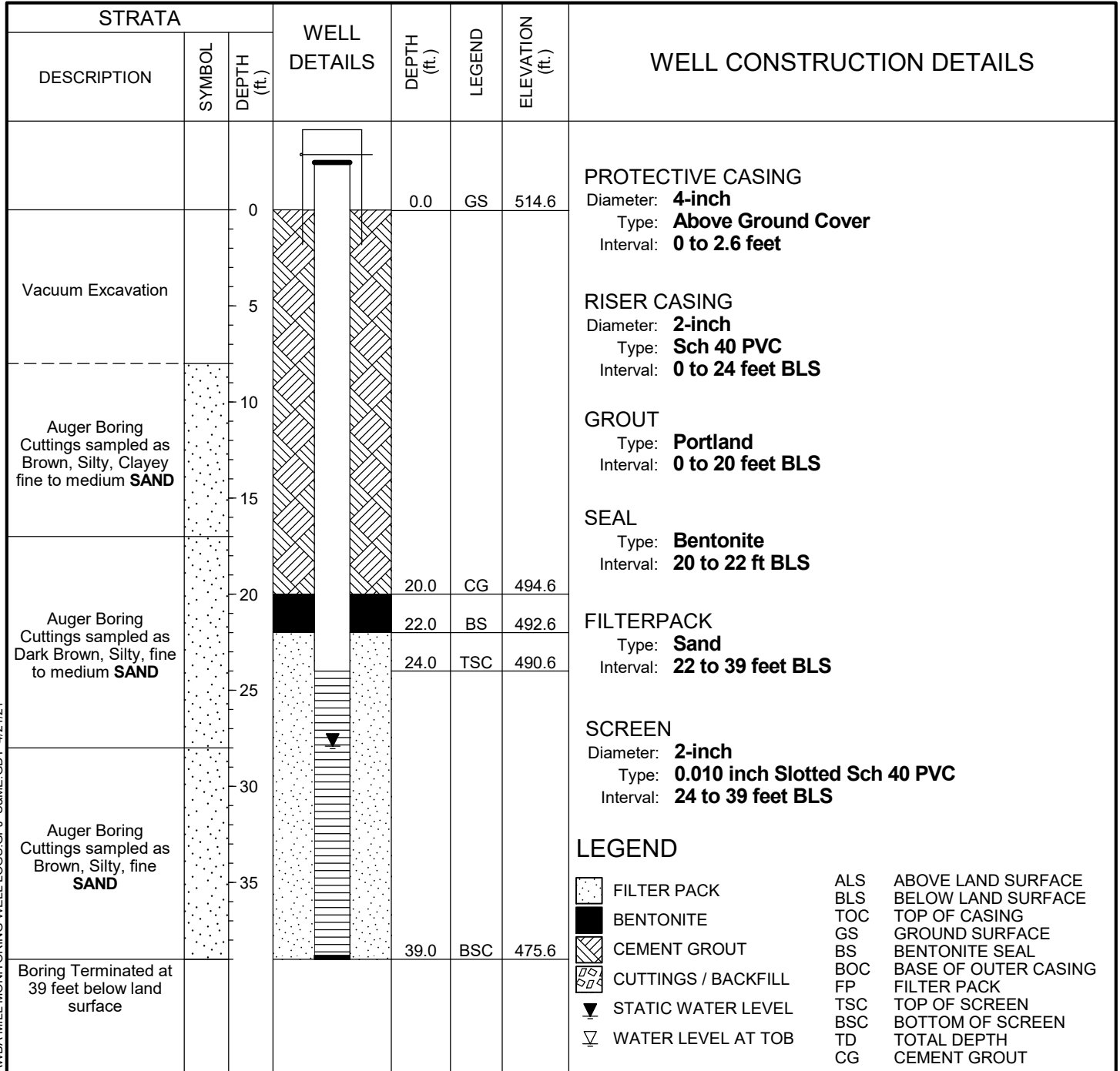
DRILLING METHOD: **8-Inch Hollow Stem Augers**

TOP OF CASING ELEVATION: **517.95**

DATE COMPLETED: **3/2/21**

DATUM: **NGVD29**

LOGGED BY: **Scott Dacus**



MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. DF-MW-2**

WELL COMPLETION REPORT FOR DF-MW-3

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/15/21, 17.46' BTOC**

LATITUDE: **34° 50' 35"**

LONGITUDE: **-80° 53' 11"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**

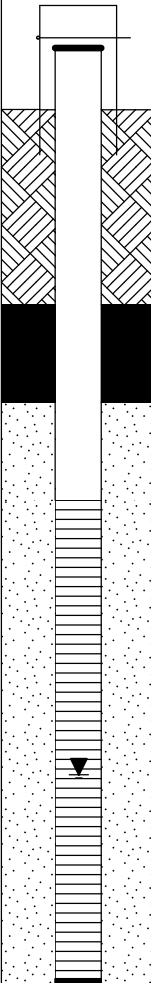
TOP OF CASING ELEVATION: **523.62**







DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/3/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS |
|---|--------|-------------|--|-------------|--------|-----------------|--|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | |
| | | 0 |  | 0.0 | GS | 519.8 | <p>PROTECTIVE CASING Diameter: 4-inch Type: Above Ground Cover Interval: 0 to 2.6 feet</p> |
| Vacuum Excavation | | 5 | | 4.0 | CG | 515.8 | <p>RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 8 feet BLS</p> |
| | | 6 | | 6.0 | BS | 513.8 | <p>GROUT Type: Portland Interval: 0 to 4 feet BLS</p> |
| | | 8 | | 8.0 | TSC | 511.8 | <p>SEAL Type: Bentonite Interval: 4 to 6 ft BLS</p> |
| Auger Boring Cuttings sampled as Brown, Silty, Clayey fine to medium SAND | | 15 | | | | | <p>FILTERPACK Type: Sand Interval: 6 to 18 feet BLS</p> |
| Boring Terminated at 18 feet below land surface | | 18 | | 18.0 | BSC | 501.8 | <p>SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 8 to 18 feet BLS</p> |

- LEGEND**
- | | | |
|---|-----|----------------------|
|  FILTER PACK | ALS | ABOVE LAND SURFACE |
|  BENTONITE | BLS | BELOW LAND SURFACE |
|  CEMENT GROUT | TOC | TOP OF CASING |
|  CUTTINGS / BACKFILL | GS | GROUND SURFACE |
|  STATIC WATER LEVEL | BS | BENTONITE SEAL |
|  WATER LEVEL AT TOB | BOC | BASE OF OUTER CASING |
| | FP | FILTER PACK |
| | TSC | TOP OF SCREEN |
| | BSC | BOTTOM OF SCREEN |
| | TD | TOTAL DEPTH |
| | CG | CEMENT GROUT |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. DF-MW-3**

WELL COMPLETION REPORT FOR DF-MW-4

PROJECT: **New Indy**
 PROJECT NO: **S&ME 4213-18-087**
 PROJECT LOCATION: **Catawba, South Carolina**

WATER LEVEL: **Water Level on 3/16/21, 17.82' BTOC**

LATITUDE: **34° 50' 40"**

LONGITUDE: **-80° 53' 9"**

DRILLING CONTRACTOR: **GeoLab Drilling (License #B2141)**

TOP OF CASING ELEVATION: **527.34**

DRILLING METHOD: **8-Inch Hollow Stem Augers**

DATUM: **NGVD29**

DATE COMPLETED: **3/2/21**

LOGGED BY: **Scott Dacus**

| STRATA | | | WELL DETAILS | DEPTH (ft.) | LEGEND | ELEVATION (ft.) | WELL CONSTRUCTION DETAILS |
|---|--------|-------------|--------------|-------------|--------|-----------------|--|
| DESCRIPTION | SYMBOL | DEPTH (ft.) | | | | | |
| | | 0 | | 0.0 | GS | 524.2 | PROTECTIVE CASING Diameter: 4-inch Type: Above Ground Cover Interval: 0 to 2.6 feet |
| Vacuum Excavation | | 5 | | | | | RISER CASING Diameter: 2-inch Type: Sch 40 PVC Interval: 0 to 15 feet BLS |
| | | 10 | | 11.0 | CG | 513.2 | GROUT Type: Portland Interval: 0 to 11 feet BLS |
| | | 13 | | 13.0 | BS | 511.2 | SEAL Type: Bentonite Interval: 11 to 13 ft BLS |
| | | 15 | | 15.0 | TSC | 509.2 | FILTERPACK Type: Sand Interval: 13 to 25 feet BLS |
| Auger Boring Cuttings sampled as Brown, Silty fine to medium SAND | | 20 | | | | | SCREEN Diameter: 2-inch Type: 0.010 inch Slotted Sch 40 PVC Interval: 15 to 25 feet BLS |
| Boring Terminated at 25 feet below land surface | | 25 | | 25.0 | BSC | 499.2 | LEGEND <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> FILTER PACK</p> <p> BENTONITE</p> <p> CEMENT GROUT</p> <p> CUTTINGS / BACKFILL</p> <p> STATIC WATER LEVEL</p> <p> WATER LEVEL AT TOB</p> </div> <div style="width: 45%;"> <p>ALS ABOVE LAND SURFACE</p> <p>BLS BELOW LAND SURFACE</p> <p>TOC TOP OF CASING</p> <p>GS GROUND SURFACE</p> <p>BS BENTONITE SEAL</p> <p>BOC BASE OF OUTER CASING</p> <p>FP FILTER PACK</p> <p>TSC TOP OF SCREEN</p> <p>BSC BOTTOM OF SCREEN</p> <p>TD TOTAL DEPTH</p> <p>CG CEMENT GROUT</p> </div> </div> |

MONITORING WELL CATAWBA MILL MONITORING WELL LOGS.GPJ S&ME.GDT 4/21/21



**COMPLETION REPORT OF
WELL No. DF-MW-4**

Appendix D – Well Development Summary Sheets

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>DF-MW-1</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>36.05</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx +3.0'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>Bailer</u> | 3. Tot. Depth: | <u>37</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>1.38</u> |
| 6. Volume of Water in Well (gal): | <u>0.23</u> | | |

Notes:

well bailed due to small amount of water; bailed dry; returned multiple times to allow to recharge before bailing dry again

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>DF-MW-2</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>31.15</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx +3.0'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>39</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>7.85</u> |
| 6. Volume of Water in Well (gal): | <u>1.33</u> | | |

Notes:

pumped total of 7 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>DF-MW-3</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>17.42</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx +3.7'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>23</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>5.43</u> |
| 6. Volume of Water in Well (gal): | <u>0.92</u> | | |

Notes:

pumped total of 20 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>DF-MW-4</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>18.10</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx +2.97'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>29</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>10.75</u> |
| 6. Volume of Water in Well (gal): | <u>1.83</u> | | |

Notes:

pumped total of 20 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>R1-MW-3</u> |

Water Level Information:

| | | | |
|---|----------------------------------|--------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>18.34</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | <u>TOC</u> | | |
| 4. Height of MP above/below Land Surface: | <u>apprx -0.3'</u> | | |
| 5. Method of Water Level Measurement: | <u>Electric Water Level Tape</u> | | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>26</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>7.37</u> |
| 6. Volume of Water in Well (gal): | <u>1.25</u> | | |

Notes:

pumped total of 8 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>R4-MW-1</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>11.73</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx -0.6'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>19</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>6.95</u> |
| 6. Volume of Water in Well (gal): | <u>1.18</u> | | |

Notes:

pumped total of 7 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>R4-MW-2</u> |

Water Level Information:

| | | | |
|---|----------------------------------|--------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>17.55</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | <u>TOC</u> | | |
| 4. Height of MP above/below Land Surface: | <u>apprx -0.6'</u> | | |
| 5. Method of Water Level Measurement: | <u>Electric Water Level Tape</u> | | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>19</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>1.37</u> |
| 6. Volume of Water in Well (gal): | <u>0.23</u> | | |

Notes:

pumped total of 4 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>R12-MW-1</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>15.97</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx +3.3'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>23</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>6.71</u> |
| 6. Volume of Water in Well (gal): | <u>1.14</u> | | |

Notes:

pumped total of 7 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>R15-MW-1</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Static Water Level: | <u>8.98</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx -0.3'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/10/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>19</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>9.92</u> |
| 6. Volume of Water in Well (gal): | <u>1.69</u> | | |

Notes:

pumped total of 10 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba , SC</u> | 6. Well #: | <u>R15-MW-2</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Static Water Level: | <u>6.71</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx -0.2'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>19</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>11.87</u> |
| 6. Volume of Water in Well (gal): | <u>2.02</u> | | |

Notes:

pumped total of 25 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba, SC</u> | 6. Well #: | <u>R16-MW-1A</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Static Water Level: | <u>5.50</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx -0.2'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>15</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>9.85</u> |
| 6. Volume of Water in Well (gal): | <u>1.67</u> | | |

Notes:

pumped total of 15 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba, SC</u> | 6. Well #: | <u>R19-MW-2A</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Static Water Level: | <u>3.60</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx -0.2'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>15</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>11.73</u> |
| 6. Volume of Water in Well (gal): | <u>1.99</u> | | |

Notes:

pumped total of 20 gallons

S&ME

MONITORING WELL DEVELOPMENT SUMMARY SHEET

General

| | | | |
|------------------|---------------------------|-----------------|--------------------|
| 1. Job Name: | <u>New Indy - Catawba</u> | 2. Project No.: | <u>4213-18-087</u> |
| 3. Developed By: | <u>S. Goretoy</u> | 4. Weather: | <u>Sunny, Warm</u> |
| 5. Location: | <u>Catawba, SC</u> | 6. Well #: | <u>R19-MW-4</u> |

Water Level Information:

| | | | |
|---|------------------|----------------------------------|--|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Static Water Level: | <u>3.55</u> | Ft. Below MP | |
| 3. Description of Measuring Point (MP): | | <u>TOC</u> | |
| 4. Height of MP above/below Land Surface: | | <u>apprx -0.2'</u> | |
| 5. Method of Water Level Measurement: | | <u>Electric Water Level Tape</u> | |

Evacuation Procedure:

| | | | |
|-----------------------------------|-------------------------|----------------------------------|---------------------------|
| 1. Date: | <u>3/11/2021</u> | | |
| 2. Method of Evacuation: | <u>submersible pump</u> | 3. Tot. Depth: | <u>15</u> Ft. Below M. P. |
| 4. Casing Diameter (in.): | <u>2</u> | 5. Height of water Column (Ft.): | <u>11.76</u> |
| 6. Volume of Water in Well (gal): | <u>2.00</u> | | |

Notes:

pumped total of 15 gallons

Appendix E – Sample Collection Summary Sheets

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: DF-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 0915 3. Static WL: 33.54 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 0917 3. Time Evac. Finished: 0920
 4. Method of Evacuation: Bailer 5. Tot. Depth: 34 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 0.46
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 6.98 Buffer pH 4.01: 4.02 Buffer Check: 9.93 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|-----|--|--|--|--|
| Time | 0921 | | | | | |
| Water Temp (C) | 18 | | | | | |
| pH (Standard Units) | 7.16 | | | | | |
| Spec. Cond. (umhos) | 1030 | DRY | | | | |
| Turbidity (NTU) | 43 | | | | | |
| Odor (subjective) | none | | | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.25

Sampling Information

1. Date: 3/17/2021 2. Time: 0921
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: Very little amount of water in well. Sampled using a bailer.

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: DF-MW-2

Water Level Information:

1. Date: 3/17/2021 2. Time: 0935 3. Static WL: 31.24 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 0945 3. Time Evac. Finished: 1045
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 39 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 7.76
 8. Decon Procedure: Alconox/DI

Meter Callibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 6.98 Buffer pH 4.01: 4.02 Buffer Check: 9.93 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 0950 | 0955 | 1000 | 1020 | 1025 | 1030 |
|---------------------|------|------|------|------|------|------|
| Water Temp (C) | 17 | 17 | 17 | 17 | 17 | 17 |
| pH (Standard Units) | 6.99 | 7.07 | 7.08 | 7.04 | 7.00 | 6.82 |
| Spec. Cond. (umhos) | 751 | 806 | 806 | 752 | 720 | 709 |
| Turbidity (NTU) | 1100 | 1048 | 956 | 983 | 882 | 719 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| Time | 1035 | 1040 | 1045 | | | |
|---------------------|------|------|------|--|--|--|
| Water Temp (C) | 17 | 17 | 17 | | | |
| pH (Standard Units) | 6.78 | 6.76 | 6.74 | | | |
| Spec. Cond. (umhos) | 704 | 703 | 703 | | | |
| Turbidity (NTU) | 868 | 845 | 852 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 5

Sampling Information

1. Date: 3/17/2021 2. Time: 1047
 3. Sample Containers(No./Size/Type): 2-1L amber glass; 3-40 ml amber glass
 4. Analysis Required: Dioxins/Furans; VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Overcast, 60°
 5. Location: Catawba, SC 6. Well #: DF-MW-3

Water Level Information:

1. Date: 3/15/2021 2. Time: 1515 3. Static WL: 17.46 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1518 3. Time Evac. Finished: 1604
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 0.54
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.98 Buffer Check: 9.97 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|--------|--------|--------|--------|--------|--|
| Time | 1524 | 1534 | 1545 | 1555 | 1604 | |
| Water Temp (C) | 20.7 | 20.4 | 20.7 | 20.5 | 20.8 | |
| pH (Standard Units) | 4.84 | 4.83 | 4.64 | 4.63 | 4.72 | |
| Spec. Cond. (umhos) | 652 | 684 | 697 | 700 | 699 | |
| Turbidity (NTU) | 124 | 95 | 30 | 15 | 8 | |
| Odor (subjective) | slight | slight | slight | slight | slight | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1607
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass; 2-1L amber glass
 4. Analysis Required: VOCs; Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: DF-MW-4

Water Level Information:

1. Date: 3/16/2021 2. Time: 1537 3. Static WL: 17.82 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1542 3. Time Evac. Finished: 1608
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 25 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 7.18
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|--------|--------|--------|--------|--|
| Time | 1546 | 1556 | 1602 | 1605 | 1608 | |
| Water Temp (C) | 16.8 | 17.2 | 17.1 | 17.2 | 17.3 | |
| pH (Standard Units) | 6.89 | 6.87 | 7.03 | 7.08 | 7.04 | |
| Spec. Cond. (umhos) | 1534 | 1530 | 1436 | 1369 | 1348 | |
| Turbidity (NTU) | 13 | 11 | 4 | 3 | 2 | |
| Odor (subjective) | none | slight | slight | slight | slight | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.5

Sampling Information

1. Date: 3/16/2021 2. Time: 1610
 3. Sample Containers(No./Size/Type): 2-1L amber glass; 3-40 ml amber glass
 4. Analysis Required: Dioxins/Furans; VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy 4. Weather: Cloudy, 45°
 5. Location: Catawba, SC 6. Well #: GW-9

Water Level Information:

1. Date: 3/17/2021 2. Time: 0845 3. Static WL: 15.13 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈2' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 0855 3. Time Evac. Finished: 0922
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 43.75 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 28.62
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 0906 | 0912 | 0917 | 0922 | | |
|---------------------|---------|---------|---------|---------|--|--|
| Water Temp (C) | 24.4 | 24.5 | 24.7 | 24.9 | | |
| pH (Standard Units) | 5.22 | 5.19 | 5.16 | 5.15 | | |
| Spec. Cond. (umhos) | 1332 | 1327 | 1322 | 1321 | | |
| Turbidity (NTU) | 8 | 3 | 2 | 2 | | |
| Odor (subjective) | organic | organic | organic | organic | | |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1

Sampling Information

1. Date: 3/17/2021 2. Time: 0925
 3. Sample Containers(No./Size/Type): 2-1L amber glass; 3-40 ml amber glass
 4. Analysis Required: Dioxins/Furans; VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: collected equipment blank CM-EB-GW-5; collected field blank CM-FB-GW-6

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: GW-36

Water Level Information:

1. Date: 3/16/2021 2. Time: 1437 3. Static WL: 4.58 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1440 3. Time Evac. Finished: 1458
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 15.79 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 11.21
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|--|--|--|
| Time | 1445 | 1450 | 1456 | | | |
| Water Temp (C) | 13.6 | 13.6 | 13.9 | | | |
| pH (Standard Units) | 7.20 | 7.20 | 7.20 | | | |
| Spec. Cond. (umhos) | 1097 | 1095 | 1093 | | | |
| Turbidity (NTU) | 10 | 9 | 4 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1

Sampling Information

1. Date: 3/16/2021 2. Time: 1500
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: GW-37

Water Level Information:

1. Date: 3/16/2021 2. Time: 1341 3. Static WL: 8.56 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1344 3. Time Evac. Finished: 1424
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 16.56 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 8.00
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|--|--|
| Time | 1353 | 1405 | 1412 | 1417 | | |
| Water Temp (C) | 13.3 | 13.2 | 13.2 | 13.1 | | |
| pH (Standard Units) | 6.81 | 6.93 | 7.08 | 6.98 | | |
| Spec. Cond. (umhos) | 482 | 501 | 510 | 509 | | |
| Turbidity (NTU) | 107 | 63 | 39 | 37 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2

Sampling Information

1. Date: 3/16/2021 2. Time: 1426
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R1-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1120 3. Static WL: 13.02 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1125 3. Time Evac. Finished: 1140
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 20 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 6.98
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 6.98 Buffer pH 4.01: 4.02 Buffer Check: 9.93 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 1130 | 1135 | 1140 | | | |
|---------------------|------|------|------|--|--|--|
| Water Temp (C) | 17 | 17 | 17 | | | |
| pH (Standard Units) | 4.65 | 4.61 | 4.53 | | | |
| Spec. Cond. (umhos) | 1622 | 1623 | 1620 | | | |
| Turbidity (NTU) | 1 | 2 | 1 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/17/2021 2. Time: 1141
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: R1-MW-2

Water Level Information:

1. Date: 3/16/2021 2. Time: 1241 3. Static WL: 14.55 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1247 3. Time Evac. Finished: 1318
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 20 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 5.45
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|--|--|--|
| Time | 1258 | 1306 | 1311 | | | |
| Water Temp (C) | 18.6 | 18.6 | 18.6 | | | |
| pH (Standard Units) | 3.92 | 3.87 | 3.86 | | | |
| Spec. Cond. (umhos) | 8385 | 8000 | 7930 | | | |
| Turbidity (NTU) | 150 | 100 | 100 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.8

Sampling Information

1. Date: 3/16/2021 2. Time: 1320
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass; 2-1L amber glass
 4. Analysis Required: VOCs; Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: white particles in water, milky

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: R1-MW-3

Water Level Information:

1. Date: 3/16/2021 2. Time: 1057 3. Static WL: 14.73 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1100 3. Time Evac. Finished: 1148
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 25 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 10.27
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|--|--|
| Time | 1107 | 1116 | 1124 | 1144 | | |
| Water Temp (C) | 18.1 | 18.1 | 17.9 | 17.9 | | |
| pH (Standard Units) | 4.48 | 4.46 | 4.43 | 4.37 | | |
| Spec. Cond. (umhos) | 1485 | 1480 | 1483 | 1485 | | |
| Turbidity (NTU) | 29 | 19 | 13 | 10 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.5

Sampling Information

1. Date: 3/16/2021 2. Time: 1150
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: collected duplicate sample CM-DUP-GW-10

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: R4-MW-1

Water Level Information:

1. Date: 3/16/2021 2. Time: 0822 3. Static WL: 11.84 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 0831 3. Time Evac. Finished: 0853
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 6.16
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 0836 | 0840 | 0847 | 0853 | | |
|---------------------|------|------|------|------|--|--|
| Water Temp (C) | 16.9 | 17.4 | 17.2 | 17.6 | | |
| pH (Standard Units) | 6.38 | 6.40 | 6.44 | 6.45 | | |
| Spec. Cond. (umhos) | 1130 | 1103 | 1027 | 1014 | | |
| Turbidity (NTU) | 22.5 | 19.7 | 11.8 | 8.39 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.6

Sampling Information

1. Date: 3/16/2021 2. Time: 857
 3. Sample Containers(No./Size/Type): 2-100 ml amber glass; 3-40 ml amber glass; 1-250 ml HDPE
 4. Analysis Required: SVOCs; VOCs; metals
 5. Samples Preserved: Yes 6. Preservative: Ice, HNO3
 7. Lab Performing Analysis: Pace Analytical

Comments: collected equipment blank CM-EB-GW-4; collected field blank CM-FB-GW-4

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: R4-MW-2

Water Level Information:

1. Date: 3/16/2021 2. Time: 0945 3. Static WL: 17.64 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 0948 3. Time Evac. Finished: 1017
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 0.36
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|--|--|--|
| Time | 1001 | 1007 | 1015 | | | |
| Water Temp (C) | 16.3 | 16.9 | 14.8 | | | |
| pH (Standard Units) | 5.83 | 5.59 | 5.55 | | | |
| Spec. Cond. (umhos) | 242 | 226 | 221 | | | |
| Turbidity (NTU) | 12 | 5 | 3 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.6

Sampling Information

1. Date: 3/16/2021 2. Time: 1019
 3. Sample Containers(No./Size/Type): 2-100 ml amber glass; 3-40 ml amber glass; 1-250 ml HDPE
 4. Analysis Required: SVOCs; VOCs; metals
 5. Samples Preserved: Yes 6. Preservative: Ice, HNO3
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy 4. Weather: Overcast, 60°
 5. Location: Catawba, SC 6. Well #: R12-MW-1

Water Level Information:

1. Date: 3/15/2021 2. Time: 1103 3. Static WL: 16.11 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1111 3. Time Evac. Finished: 1147
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 1.89
 8. Decon Procedure: Alconox/DI

Meter Callibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.98 Buffer Check: 9.97 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 1120 | 1124 | 1135 | 1142 | 1145 | 1147 |
|---------------------|------|------|------|------|------|------|
| Water Temp (C) | 17.9 | 17.8 | 18.1 | 18.1 | 18.1 | 18.1 |
| pH (Standard Units) | 5.15 | 5.32 | 5.13 | 5.03 | 5.01 | 5.03 |
| Spec. Cond. (umhos) | 345 | 345 | 342 | 341 | 340 | 339 |
| Turbidity (NTU) | 38 | 29 | 20 | 16 | 11 | 10 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2

Sampling Information

1. Date: 3/15/2021 2. Time: 1150
 3. Sample Containers(No./Size/Type): 2-100 ml amber glass; 3-40 ml amber glass; 1-250 ml HDPE
 4. Analysis Required: SVOCs; VOCs; metals
 5. Samples Preserved: Yes 6. Preservative: Ice, HNO3
 7. Lab Performing Analysis: Pace Analytical

Comments: collected duplicate sample CM-DUP-GW-9

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Overcast, 60°
 5. Location: Catawba, SC 6. Well #: R15-MW-1

Water Level Information:

1. Date: 3/15/2021 2. Time: 1341 3. Static WL: 7.40 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1346 3. Time Evac. Finished: 1442
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 10.60
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.98 Buffer Check: 9.97 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|------|------|
| Time | 1350 | 1355 | 1410 | 1424 | 1438 | 1442 |
| Water Temp (C) | 17.7 | 17.8 | 17.1 | 17.8 | 18.1 | 18.1 |
| pH (Standard Units) | 5.24 | 4.74 | 5.27 | 5.24 | 5.19 | 5.18 |
| Spec. Cond. (umhos) | 670 | 670 | 667 | 667 | 665 | 664 |
| Turbidity (NTU) | 44 | 42 | 22 | 15 | 11 | 10 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2.1

Sampling Information

1. Date: 3/15/2021 2. Time: 1445
 3. Sample Containers(No./Size/Type): 2-100 ml amber glass; 3-40 ml amber glass; 1-250 ml HDPE
 4. Analysis Required: SVOCs; VOCs; metals
 5. Samples Preserved: Yes 6. Preservative: Ice, HNO3
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Overcast, 60°
 5. Location: Catawba, SC 6. Well #: R15-MW-2

Water Level Information:

1. Date: 3/15/2021 2. Time: 1216 3. Static WL: 6.63 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1225 3. Time Evac. Finished: 1305
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 11.37
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.98 Buffer Check: 9.97 Cond. 1000: 999
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|------|------|
| Time | 1228 | 1233 | 1244 | 1251 | 1257 | 1303 |
| Water Temp (C) | 17.3 | 17.8 | 17.6 | 17.4 | 17.5 | 17.5 |
| pH (Standard Units) | 5.04 | 5.02 | 5.05 | 5.16 | 5.11 | 5.07 |
| Spec. Cond. (umhos) | 702 | 714 | 713 | 714 | 711 | 710 |
| Turbidity (NTU) | 44 | 29 | 21 | 19 | 13 | 11 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| | | | | | | |
|---------------------|------|--|--|--|--|--|
| Time | 1305 | | | | | |
| Water Temp (C) | 17.7 | | | | | |
| pH (Standard Units) | 5.03 | | | | | |
| Spec. Cond. (umhos) | 710 | | | | | |
| Turbidity (NTU) | 10 | | | | | |
| Odor (subjective) | none | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2

Sampling Information

1. Date: 3/15/2021 2. Time: 1308
 3. Sample Containers(No./Size/Type): 2-100 ml amber glass; 3-40 ml amber glass; 1-250 ml HDPE
 4. Analysis Required: SVOCs; VOCs; metals
 5. Samples Preserved: Yes 6. Preservative: Ice, HNO3
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R16-MW-1

Water Level Information:

1. Date: 3/15/2021 2. Time: 1406 3. Static WL: 5.49 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1410 3. Time Evac. Finished: 1425
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 15 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 9.51
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|--|--|--|
| Time | 1415 | 1420 | 1425 | | | |
| Water Temp (C) | 17 | 17 | 17 | | | |
| pH (Standard Units) | 5.42 | 5.46 | 5.47 | | | |
| Spec. Cond. (umhos) | 130 | 130 | 132 | | | |
| Turbidity (NTU) | 8 | 13 | 2 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1426
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R18-MW-1

Water Level Information:

1. Date: 3/15/2021 2. Time: 1331 3. Static WL: 5.42 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1335 3. Time Evac. Finished: 1355
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 15 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 9.58
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|--|--|
| Time | 1340 | 1345 | 1350 | 1355 | | |
| Water Temp (C) | 15 | 15 | 15 | 15 | | |
| pH (Standard Units) | 5.57 | 5.50 | 5.44 | 5.40 | | |
| Spec. Cond. (umhos) | 71 | 69 | 64 | 65 | | |
| Turbidity (NTU) | 1 | 1 | 10 | 3 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1356
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R18-MW-2

Water Level Information:

1. Date: 3/15/2021 2. Time: 1258 3. Static WL: 3.87 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1300 3. Time Evac. Finished: 1320
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 13 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 9.13
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|--|--|
| Time | 1305 | 1310 | 1315 | 1320 | | |
| Water Temp (C) | 15 | 15 | 15 | 15 | | |
| pH (Standard Units) | 6.30 | 6.49 | 6.50 | 6.58 | | |
| Spec. Cond. (umhos) | 382 | 385 | 394 | 400 | | |
| Turbidity (NTU) | 2 | 2 | 1 | 1 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1321
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lindsey/Bonds 4. Weather: Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R19-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1245 3. Static WL: 3.45 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1255 3. Time Evac. Finished: 1352
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 12 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 8.55
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 14C101882
 Buffer pH 7.00: 6.99 Buffer pH 4.01: 4.01 Buffer Check: 9.93 Cond. 1000: 1000
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|
| Time | 1300 | 1305 | 1320 | 1325 | 1330 | 1335 |
| Water Temp (C) | 14.05 | 14.18 | 13.75 | 13.82 | 13.74 | 13.53 |
| pH (Standard Units) | 7.84 | 7.64 | 7.52 | 7.47 | 7.48 | 7.39 |
| Spec. Cond. (umhos) | 0.334 | 0.336 | 0.345 | 0.345 | 0.347 | 0.346 |
| Turbidity (NTU) | 341 | 428 | 519 | 418 | 327 | 200 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| | | | | | | |
|---------------------|-------|-------|-------|--|--|--|
| Time | 1340 | 1345 | 1350 | | | |
| Water Temp (C) | 13.55 | 13.55 | 13.43 | | | |
| pH (Standard Units) | 7.47 | 7.47 | 7.42 | | | |
| Spec. Cond. (umhos) | 0.347 | 0.346 | 0.346 | | | |
| Turbidity (NTU) | 163 | 125 | 105 | | | |
| Odor (subjective) | none | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 5

Sampling Information

1. Date: 3/17/2021 2. Time: 1355
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R19-MW-2A

Water Level Information:

1. Date: 3/15/2021 2. Time: 1222 3. Static WL: 3.40 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1230 3. Time Evac. Finished: 1245
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 15 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 11.60
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 1235 | 1240 | 1245 | | | |
|---------------------|------|------|------|--|--|--|
| Water Temp (C) | 16 | 16 | 16 | | | |
| pH (Standard Units) | 4.83 | 4.88 | 4.85 | | | |
| Spec. Cond. (umhos) | 467 | 466 | 467 | | | |
| Turbidity (NTU) | 20 | 11 | 10 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1246
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R19-MW-3

Water Level Information:

1. Date: 3/15/2021 2. Time: 1035 3. Static WL: 5.73 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1040 3. Time Evac. Finished: 1115
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 14 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 8.27
 8. Decon Procedure: Alconox/DI

Meter Callibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|------|------|
| Time | 1045 | 1050 | 1055 | 1100 | 1105 | 1110 |
| Water Temp (C) | 17 | 17 | 17 | 17 | 17 | 17 |
| pH (Standard Units) | 6.10 | 5.99 | 5.86 | 5.88 | 6.03 | 6.83 |
| Spec. Cond. (umhos) | 363 | 362 | 366 | 381 | 394 | 385 |
| Turbidity (NTU) | 8 | 2 | 3 | 3 | 3 | 6 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| | | | | | | |
|---------------------|------|--|--|--|--|--|
| Time | 1115 | | | | | |
| Water Temp (C) | 17 | | | | | |
| pH (Standard Units) | 6.10 | | | | | |
| Spec. Cond. (umhos) | 384 | | | | | |
| Turbidity (NTU) | 5 | | | | | |
| Odor (subjective) | none | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.0

Sampling Information

1. Date: 3/15/2021 2. Time: 1116
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R19-MW-4

Water Level Information:

1. Date: 3/15/2021 2. Time: 1150 3. Static WL: 3.24 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1155 3. Time Evac. Finished: 1210
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 15 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 11.76
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|--|--|--|
| Time | 1200 | 1205 | 1210 | | | |
| Water Temp (C) | 17 | 17 | 17 | | | |
| pH (Standard Units) | 5.13 | 5.11 | 5.16 | | | |
| Spec. Cond. (umhos) | 246 | 245 | 246 | | | |
| Turbidity (NTU) | 4 | 3 | 3 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1211
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R23-MW-1

Water Level Information:

1. Date: 3/15/2021 2. Time: 0900 3. Static WL: 8.55 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 0910 3. Time Evac. Finished: 1005
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 14 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 5.45
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 0915 | 0925 | 0930 | 0935 | 0940 | 0945 |
|---------------------|------|------|------|------|------|------|
| Water Temp (C) | 15 | 15 | 15 | 15 | 15 | 15 |
| pH (Standard Units) | 5.75 | 5.53 | 5.48 | 5.45 | 5.49 | 5.55 |
| Spec. Cond. (umhos) | 399 | 396 | 390 | 375 | 373 | 367 |
| Turbidity (NTU) | 136 | 114 | 103 | 44 | 39 | 28 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| Time | 0950 | 0955 | 1000 | 1005 | | |
|---------------------|------|------|------|------|--|--|
| Water Temp (C) | 15 | 15 | 15 | 15 | | |
| pH (Standard Units) | 5.69 | 5.91 | 5.96 | 5.75 | | |
| Spec. Cond. (umhos) | 360 | 355 | 352 | 350 | | |
| Turbidity (NTU) | 21 | 17 | 13 | 12 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1006
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Cloudy, 45°
 5. Location: Catawba, SC 6. Well #: R26-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1005 3. Static WL: 23.37 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1005 3. Time Evac. Finished: 1037
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 25 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 1.63
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 1012 | 1022 | 1032 | 1037 | | |
|---------------------|------|------|------|------|--|--|
| Water Temp (C) | 15.8 | 16.4 | 16.8 | 17 | | |
| pH (Standard Units) | 4.73 | 4.64 | 4.61 | 4.59 | | |
| Spec. Cond. (umhos) | 215 | 212 | 210 | 209 | | |
| Turbidity (NTU) | 4.5 | 4.5 | 4 | 4 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.5

Sampling Information

1. Date: 3/17/2021 2. Time: 1038
 3. Sample Containers(No./Size/Type): 2-1L amber glass; 3-40 ml amber glass
 4. Analysis Required: Dioxins/Furans; VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lindsey/Bonds 4. Weather: Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R28-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1010 3. Static WL: 21.50 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1020 3. Time Evac. Finished: 1040
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 28 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 6.50
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 14C101882
 Buffer pH 7.00: 6.99 Buffer pH 4.01: 4.01 Buffer Check: 9.93 Cond. 1000: 1000
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|-------|-------|-------|-------|--|--|
| Time | 1025 | 1030 | 1035 | 1040 | | |
| Water Temp (C) | 14.44 | 14.73 | 15.55 | 15.88 | | |
| pH (Standard Units) | 7.43 | 7.41 | 7.32 | 7.24 | | |
| Spec. Cond. (umhos) | 3.52 | 3.52 | 3.52 | 3.53 | | |
| Turbidity (NTU) | 28 | 30 | 30 | 30 | | |
| Odor (subjective) | none | none | none | none | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2

Sampling Information

1. Date: 3/17/2021 2. Time: 1045
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass; 2-1 L amber glass
 4. Analysis Required: VOCs; Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lindsey/Bonds 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: R29-MW-1

Water Level Information:

1. Date: 3/16/2021 2. Time: 0943 3. Static WL: 19.50 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1200 3. Time Evac. Finished: 1235
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 28 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 8.50
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 14C101882
 Buffer pH 7.00: 6.99 Buffer pH 4.01: 4.01 Buffer Check: 9.93 Cond. 1000: 1000
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|------|------|
| Time | 1205 | 1210 | 1215 | 1220 | 1225 | 1230 |
| Water Temp (C) | 13 | 13 | 12 | 13 | 13 | 13 |
| pH (Standard Units) | 7.95 | 7.97 | 7.98 | 7.78 | 7.57 | 7.49 |
| Spec. Cond. (umhos) | 2.94 | 2.4 | 2.88 | 2.83 | 2.78 | 2.79 |
| Turbidity (NTU) | 836 | 672 | 574 | 482 | 445 | 540 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| | | | | | | |
|---------------------|------|--|--|--|--|--|
| Time | 1235 | | | | | |
| Water Temp (C) | 14 | | | | | |
| pH (Standard Units) | 7.41 | | | | | |
| Spec. Cond. (umhos) | 2.79 | | | | | |
| Turbidity (NTU) | 5.33 | | | | | |
| Odor (subjective) | none | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2

Sampling Information

1. Date: 3/16/2021 2. Time: 1240
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R30-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1205 3. Static WL: 15.48 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1212 3. Time Evac. Finished: 1227
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 25 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 9.52
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 6.98 Buffer pH 4.01: 4.02 Buffer Check: 9.93 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|--|--|--|
| Time | 1217 | 1222 | 1227 | | | |
| Water Temp (C) | 17 | 17 | 17 | | | |
| pH (Standard Units) | 4.2 | 4.19 | 4.18 | | | |
| Spec. Cond. (umhos) | 445 | 437 | 430 | | | |
| Turbidity (NTU) | 5 | 6 | 5 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/17/2021 2. Time: 1229
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Gorettoy/Dacus 4. Weather: Cloudy, 45°
 5. Location: Catawba, SC 6. Well #: R31-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1105 3. Static WL: 11.18 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1108 3. Time Evac. Finished: 1130
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 18 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 6.82
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|--------|--------|--------|--------|--|--|
| Time | 1115 | 1123 | 1127 | 1130 | | |
| Water Temp (C) | 18.7 | 18.7 | 18.0 | 17.9 | | |
| pH (Standard Units) | 5.42 | 5.39 | 5.44 | 5.43 | | |
| Spec. Cond. (umhos) | 259 | 257 | 262 | 262 | | |
| Turbidity (NTU) | 8 | 7 | 7 | 7 | | |
| Odor (subjective) | slight | slight | slight | slight | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1

Sampling Information

1. Date: 3/17/2021 2. Time: 1132
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: collected field blank CM-FB-GW-5

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R32-MW-1

Water Level Information:

1. Date: 3/15/2021 2. Time: 1508 3. Static WL: 24.18 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1515 3. Time Evac. Finished: 1530
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 40 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 15.82
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 1520 | 1525 | 1530 | | | |
|---------------------|------|------|------|--|--|--|
| Water Temp (C) | 18 | 18 | 18 | | | |
| pH (Standard Units) | 6.17 | 6.24 | 6.24 | | | |
| Spec. Cond. (umhos) | 492 | 493 | 493 | | | |
| Turbidity (NTU) | 26 | 18 | 9 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| Time | | | | | | |
|---------------------|--|--|--|--|--|--|
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 0.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1531
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lowery 4. Weather: Partly Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: R32-MW-5

Water Level Information:

1. Date: 3/15/2021 2. Time: 1600 3. Static WL: 10.51 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/15/2021 2. Time Evac Started: 1605 3. Time Evac. Finished: 1650
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 20 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 9.49
 8. Decon Procedure: Alconox/DI

Meter Callibration:

Meter S/N: 12K 100753
 Buffer pH 7.00: 7.03 Buffer pH 4.01: 3.94 Buffer Check: 9.97 Cond. 1000: 998
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 1610 | 1615 | 1620 | 1625 | 1630 | 1635 |
|---------------------|------|------|------|------|------|------|
| Water Temp (C) | 17 | 17 | 17 | 17 | 17 | 17 |
| pH (Standard Units) | 5.89 | 5.83 | 5.80 | 5.82 | 5.85 | 5.91 |
| Spec. Cond. (umhos) | 131 | 130 | 130 | 127 | 123 | 119 |
| Turbidity (NTU) | 162 | 140 | 108 | 78 | 61 | 41 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| Time | 1640 | 1645 | 1650 | | | |
|---------------------|------|------|------|--|--|--|
| Water Temp (C) | 18 | 18 | 18 | | | |
| pH (Standard Units) | 5.86 | 5.80 | 5.86 | | | |
| Spec. Cond. (umhos) | 115 | 111 | 108 | | | |
| Turbidity (NTU) | 28 | 22 | 18 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2.5

Sampling Information

1. Date: 3/15/2021 2. Time: 1651
 3. Sample Containers(No./Size/Type): 2-1L amber glass; 3-40 ml amber glass
 4. Analysis Required: Dioxins/Furans; VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Goretoy 4. Weather: Cloudy, 45°
 5. Location: Catawba, SC 6. Well #: R39-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 1228 3. Static WL: 2.06 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 1233 3. Time Evac. Finished: 1255
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 13 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 10.94
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 19E101408
 Buffer pH 7.00: 7.02 Buffer pH 4.01: 3.96 Buffer Check: 9.95 Cond. 1000: 1001
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|------|------|--|--|
| Time | 1235 | 1245 | 1250 | 1255 | | |
| Water Temp (C) | 14.7 | 14.7 | 17.7 | 14.8 | | |
| pH (Standard Units) | 6.00 | 6.04 | 6.05 | 6.61 | | |
| Spec. Cond. (umhos) | 413 | 434 | 436 | 426 | | |
| Turbidity (NTU) | 28 | 29 | 28 | 26 | | |
| Odor (subjective) | yes | yes | yes | yes | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 1.2

Sampling Information

1. Date: 3/17/2021 2. Time: 1258
 3. Sample Containers(No./Size/Type): 3-40 ml amber glass
 4. Analysis Required: VOCs
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lindsey/Bonds 4. Weather: Cloudy, Cool
 5. Location: Catawba, SC 6. Well #: WYLF-MW-1

Water Level Information:

1. Date: 3/17/2021 2. Time: 0853 3. Static WL: 43.61 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/17/2021 2. Time Evac Started: 0910 3. Time Evac. Finished: 1000
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 53 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 9.39
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 14C101882
 Buffer pH 7.00: 6.99 Buffer pH 4.01: 4.01 Buffer Check: 9.93 Cond. 1000: 1000
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| Time | 0915 | 0920 | 0925 | 0930 | 0935 | 0940 |
|---------------------|-------|-------|-------|-------|-------|-------|
| Water Temp (C) | 15.51 | 15.92 | 16.07 | 15.96 | 16.12 | 16.00 |
| pH (Standard Units) | 6.40 | 5.91 | 5.76 | 5.70 | 5.63 | 5.59 |
| Spec. Cond. (umhos) | 0.221 | 0.217 | 0.217 | 0.217 | 0.216 | 0.216 |
| Turbidity (NTU) | 500 | 424 | 289 | 227 | 175 | 144 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| Time | 0945 | 1000 | | | | |
|---------------------|-------|-------|--|--|--|--|
| Water Temp (C) | 16.18 | 16.22 | | | | |
| pH (Standard Units) | 5.59 | 5.55 | | | | |
| Spec. Cond. (umhos) | 0.216 | 0.215 | | | | |
| Turbidity (NTU) | 119 | 103 | | | | |
| Odor (subjective) | none | none | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 4.5

Sampling Information

1. Date: 3/17/2021 2. Time: 1000
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lindsey/Bonds 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: WYLF-MW-2

Water Level Information:

1. Date: 3/16/2021 2. Time: 1405 3. Static WL: 20.65 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3" below
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1450 3. Time Evac. Finished: 1515
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 40 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 19.35
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 14C101882
 Buffer pH 7.00: 6.99 Buffer pH 4.01: 4.01 Buffer Check: 9.93 Cond. 1000: 1000
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|------|------|-------|-------|-------|-------|
| Time | 1450 | 1455 | 1500 | 1505 | 1510 | 1515 |
| Water Temp (C) | 15.6 | 15.8 | 16.01 | 16.02 | 16.36 | 16.46 |
| pH (Standard Units) | 7.32 | 7.26 | 7.19 | 7.16 | 7.14 | 7.12 |
| Spec. Cond. (umhos) | 4 | 3.99 | 3.98 | 3.96 | 3.94 | 3.92 |
| Turbidity (NTU) | 195 | 158 | 88 | 30 | 12 | 8 |
| Odor (subjective) | none | none | none | none | none | none |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 5

Sampling Information

1. Date: 3/16/2021 2. Time: 1515
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: collected duplicate sample CM-DUP-GW-11

**LOW FLOW
SAMPLE COLLECTION
SUMMARY SHEET**

General

1. Job Name: New Indy - Catawba 2. Project No.: 4213-18-087
 3. Sampled By: Lindsey/Bonds 4. Weather: Rain, 45°
 5. Location: Catawba, SC 6. Well #: WYLF-MW-3

Water Level Information:

1. Date: 3/16/2021 2. Time: 1615 3. Static WL: 22.40 Ft. Below MP
 4. Description of Measuring Point (MP): Top of Casing
 5. Height of MP above/below Land Surface: ≈3' above
 6. Method of Water Level Measurement: Electric Water Level Tape

Evacuation Procedure:

1. Date: 3/16/2021 2. Time Evac Started: 1630 3. Time Evac. Finished: 1645
 4. Method of Evacuation: Low Flow Pump 5. Tot. Depth: 30 Ft. Below M. P.
 6. Casing Diameter (in.): 2 7. Height of water Column (Ft.): 7.60
 8. Decon Procedure: Alconox/DI

Meter Calibration:

Meter S/N: 14C101882
 Buffer pH 7.00: 6.99 Buffer pH 4.01: 4.01 Buffer Check: 9.93 Cond. 1000: 1000
 Actual Actual 10.01 Actual Actual
 Buffer Lot #: cc681238 Buffer Lot #: cc680932 Buffer Lot #: cc650631

| | | | | | | |
|---------------------|-------|-------|-------|--|--|--|
| Time | 1635 | 1640 | 1645 | | | |
| Water Temp (C) | 13.12 | 12.99 | 13.25 | | | |
| pH (Standard Units) | 8.13 | 7.91 | 7.85 | | | |
| Spec. Cond. (umhos) | 1.05 | 1.09 | 1.07 | | | |
| Turbidity (NTU) | 21 | 18 | 14 | | | |
| Odor (subjective) | none | none | none | | | |
| Other: | | | | | | |

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Time | | | | | | |
| Water Temp (C) | | | | | | |
| pH (Standard Units) | | | | | | |
| Spec. Cond. (umhos) | | | | | | |
| Turbidity (NTU) | | | | | | |
| Odor (subjective) | | | | | | |
| Other: | | | | | | |

Total Volume Purged (gal.): 2

Sampling Information

1. Date: 3/16/2021 2. Time: 1650
 3. Sample Containers(No./Size/Type): 2-1L amber glass
 4. Analysis Required: Dioxins/Furans
 5. Samples Preserved: Yes 6. Preservative: Ice
 7. Lab Performing Analysis: Pace Analytical

Comments: _____

**Appendix F – Laboratory Analytical Reports and Chain-of-Custody
Forms**

S&ME Inc. - Spartanburg SC

Sample Delivery Group: L1328790
Samples Received: 03/19/2021
Project Number: 4213-18-087
Description: New Indy - Catawba

Report To: Scott Dacus
301 Zima Park Drive
Spartanburg, SC 29301

Entire Report Reviewed By:



Tom Mellette
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

R29-MW-1 L1328790-01 GW

Collected by Scott Dacus Collected date/time 03/16/21 12:40 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

R30-MW-1 L1328790-02 GW

Collected by Scott Dacus Collected date/time 03/17/21 12:29 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

R32-MW-1 L1328790-03 GW

Collected by Scott Dacus Collected date/time 03/15/21 15:31 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

R32-MW-5 L1328790-04 GW

Collected by Scott Dacus Collected date/time 03/15/21 16:51 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

WYLF-MW-1 L1328790-05 GW

Collected by Scott Dacus Collected date/time 03/17/21 10:00 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

WYLF-MW-2 L1328790-06 GW

Collected by Scott Dacus Collected date/time 03/16/21 15:15 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

WYLF-MW-3 L1328790-07 GW

Collected by Scott Dacus Collected date/time 03/16/21 16:50 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

R28-MW-1 L1328790-08 GW

Collected by Scott Dacus Collected date/time 03/17/21 10:45 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |



SAMPLE SUMMARY

R26-MW-1 L1328790-09 GW

Collected by
Scott Dacus

Collected date/time
03/17/21 10:38

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

GW-9 L1328790-10 GW

Collected by
Scott Dacus

Collected date/time
03/17/21 09:25

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

GW-36 L1328790-11 GW

Collected by
Scott Dacus

Collected date/time
03/16/21 15:00

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

GW-37 L1328790-12 GW

Collected by
Scott Dacus

Collected date/time
03/16/21 14:26

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

R1-MW-1 L1328790-13 GW

Collected by
Scott Dacus

Collected date/time
03/17/21 11:41

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

R1-MW-2 L1328790-14 GW

Collected by
Scott Dacus

Collected date/time
03/16/21 13:20

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

DF-MW-1 L1328790-15 GW

Collected by
Scott Dacus

Collected date/time
03/17/21 09:21

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

DF-MW-2 L1328790-16 GW

Collected by
Scott Dacus

Collected date/time
03/17/21 10:47

Received date/time
03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |



SAMPLE SUMMARY

DF-MW-3 L1328790-17 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 16:07
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

DF-MW-4 L1328790-18 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 16:10
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

CM-DUP-GW-11 L1328790-19 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 00:00
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

CM-EB-GW-5 L1328790-20 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 09:40
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

CM-FB-GW-6 L1328790-21 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 09:51
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|------------------------|-----------|----------|-----------------------|--------------------|---------|-----------------------|
| Subcontracted Analyses | WG1637541 | 1 | 04/09/21 00:00 | 04/09/21 00:00 | - | Minneapolis, MN 55414 |

1 Cp

2 Tc

3 Ss

4 Cn

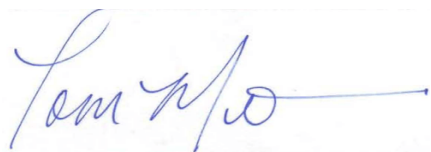
5 Gl

6 Al

7 Sc

CASE NARRATIVE

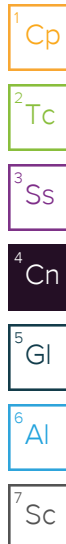
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples 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.



Tom Mellette
Project Manager

Project Narrative

L1328790 -01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21 contains subout data that is included after the chain of custody.



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.

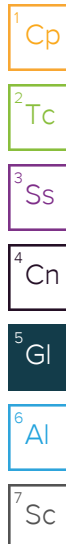
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

| | |
|------------------------------|---|
| SDG | Sample Delivery Group. |
| 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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.

¹ Cp

² Tc


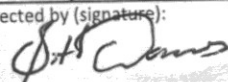
³ Ss

⁴ Cn

⁵ Gl

⁶ Al

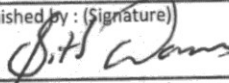
⁷ Sc


| | | | | | | | | | | | | | | | | | |
|--|---|--|----------|---|---------|-------------------------------------|---|---|--|--|--|---|---------------------|--------------|--|--------------------------|--|
| Company Name/Address: S&ME Inc. - Spartanburg SC 301 Zima Park Drive Spartanburg, SC 29301 | | Billing Information: Scott Dacus 301 Zima Park Drive Spartanburg, SC 29301 | | Pres Chk | | Analysis / Container / Preservative | | | | | | Chain of Custody Page 1 of 3 | | | | | |
| Report to: Scott Dacus | | Email To: sdacus@smeinc.com | | | | | | | | | |  12065 Lebanon Road Mt Juliet, TN 37122 Phone: 615-758-5858 Alt: 800-767-5859 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 | | | | | |
| Project Description: New Indy - Catawba | | City/State Collected: SC | | Please Circle: PT MT CT ET | | | | | | | | SDG # 11328790 | | | | | |
| Phone: 864-574-2360 | | Client Project # 4213-18-087 | | Lab Project # SMESPAR-4213-18-087 | | | | | | | | A032 | | | | | |
| Collected by (print): SCOTT DACUS | | Site/Facility ID # | | P.O. # 4213-18-087 | | SV8290 1L-Amb-NoPres | | | | | | Acctnum: SMESPAR | | | | | |
| Collected by (signature):  | | Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day | | Quote # | | | | | | | | Date Results Needed | | No. of Cntrs | | Template: T137919 | |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | Prelogin: P833467 | |
| | | | | | | | | | | | | PM: 690 - Tom Mellette | | | | | |
| | | | | | | | | | | | | PB: 76 3-10-21 | | | | | |
| | | | | | | | | | | | | Shipped Via: FedEX Ground | | | | | |
| Sample ID | | Comp/Grab | Matrix * | Depth | Date | Time | | | | | | Remarks | Sample # (lab only) | | | | |
| R29-MW-1 | G | GW | | | 3/16/21 | 1240 | 2 | X | | | | | -01 | | | | |
| R30-MW-1 | G | GW | | | 3/17/21 | 1229 | 2 | X | | | | | -02 | | | | |
| R32-MW-1 | G | GW | | | 3/15/21 | 1531 | 2 | X | | | | | -03 | | | | |
| R32-MW-5 | G | GW | | | 3/15/21 | 1651 | 2 | X | | | | | -04 | | | | |
| WYLF-MW-1 | G | GW | | | 3/17/21 | 1000 | 2 | X | | | | | -05 | | | | |
| WYLF-MW-2 | G | GW | | | 3/16/21 | 1515 | 2 | X | | | | | -06 | | | | |
| WYLF-MW-3 | G | GW | | | 3/16/21 | 1650 | 2 | X | | | | | -07 | | | | |
| R28-MW-1 | G | GW | | | 3/17/21 | 1045 | 2 | X | | | | | -08 | | | | |
| R26-MW-1 | G | GW | | | 3/17/21 | 1038 | 2 | X | | | | | -09 | | | | |
| GW-9 | G | GW | | | 3/17/21 | 0925 | 2 | X | | | | | -10 | | | | |

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

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier _____
 Tracking # **9517 5767 0599**

Sample Receipt Checklist
 COC Seal Present/Intact: 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: 3/18/21 | Time: 1700 | Received by: (Signature) | Trip Blank Received: Yes (No) HCL / MeOH TBR | Bottles Received: 42 | If preservation required by Login: Date/Time |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Temp: 21.10°C | | |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) Caleb Compton | Date: 3/19/21 | Time: 9:00 | Hold: Condition: NCF / (OK) |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|----------|---|---------|--|--------------|--------------|--|-------------------|--|--|--|--|--|--|--|--|---------------------|-----|
| Company Name/Address: S&ME Inc. - Spartanburg SC | | Billing Information: Scott Dacus 301 Zima Park Drive Spartanburg, SC 29301 | | Pres Chk | | Analysis / Container / Preservative | | | | | | | | | | Chain of Custody Page 2 of 3 | | | | |
| 301 Zima Park Drive Spartanburg, SC 29301 | | Email To: sdacus@smeinc.com | | | | | | | | | | | | | |  12065 Lebanon Road Mt Juliet, TN 37122 Phone: 615-758-5858 Alt: 800-767-5859 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf | | | | |
| Report to: Scott Dacus | | City/State Collected: SC | | Please Circle: PT MT CT ET | | | | | | | | | | | | SDG # U1328790 | | | | |
| Project Description: New Indy - Catawba | | Client Project # 4213-18-087 | | Lab Project # SMESPAR-4213-18-087 | | | | | | | | | | | | Table # | | | | |
| Phone: 864-574-2360 | | Site/Facility ID # | | P.O. # 4213-18-087 | | | | | | | | | | | | Acctnum: SMESPAR | | | | |
| Collected by (print): SCOTT DACUS | | Rush? (Lab MUST Be Notified) | | Quote # | | | | | | | | | | | | Template: T137919 | | | | |
| Collected by (signature): <i>[Signature]</i> | | <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day | | Date Results Needed | | | | | | | | | | | | Prelogin: P833467 | | | | |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | PM: 690 - Tom Mellette | | | | |
| | | | | | | | | | | | | | | | | PB: JB 3-10-21 | | | | |
| | | | | | | | | | | | | | | | | Shipped Via: FedEX Ground | | | | |
| Sample ID | | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | | | | | | | | | | | Remarks | Sample # (lab only) | |
| GW-36 | G | GW | | | 3/16/21 | 1500 | 2 | X | | | | | | | | | | | | -11 |
| GW-37 | G | GW | | | 3/16/21 | 1426 | 2 | X | | | | | | | | | | | | -12 |
| R1-MW-1 | G | GW | | | 3/17/21 | 1141 | 2 | X | | | | | | | | | | | | -13 |
| R1-MW-2 | G | GW | | | 3/16/21 | 1320 | 2 | X | | | | | | | | | | | | -14 |
| DF-MW-1 | G | GW | | | 3/17/21 | 0921 | 2 | X | | | | | | | | | | | | -15 |
| DF-MW-2 | G | GW | | | 3/17/21 | 1047 | 2 | X | | | | | | | | | | | | -16 |
| DF-MW-3 | G | GW | | | 3/15/21 | 1607 | 2 | X | | | | | | | | | | | | -17 |
| DF-MW-4 | G | GW | | | 3/16/21 | 1610 | 2 | X | | | | | | | | | | | | -18 |
| CM-DUP-GW-11 | G | GW | | | 3/16/21 | | 2 | X | | | | | | | | | | | | -19 |
| CM-EB-GW-5 | G | GW | | | 3/17/21 | 0940 | 2 | X | | | | | | | | | | | | -20 |
| * 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: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Bottles arrive intact: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Correct bottles used: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Sufficient volume sent: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If Applicable VOA Zero HeadSpace: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | | |
| Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier | | Tracking # | | 9517 5762 0599 | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | Date: | Time: | Received by: (Signature) | | Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | HCL/MeOH TBR | | Bottles Received: | | If preservation required by Login: Date/Time | | | | | | | | |
| | | 3/18/21 | 1700 | | | | | | | 42 | | | | | | | | | | |
| Relinquished by: (Signature) | | Date: | Time: | Received for lab by: (Signature) | | Date: | Time: | Hold: | | Condition: | | NCF / <input checked="" type="checkbox"/> OK | | | | | | | | |
| | | | | <i>[Signature]</i> | | 3/19/21 | 9:00 | | | | | | | | | | | | | |

Company Name/Address: **S&ME Inc. - Spartanburg SC**

Billing Information:

Scott Dacus
301 Zima Park Drive
Spartanburg, SC 29301

301 Zima Park Drive
Spartanburg, SC 29301

Report to:
Scott Dacus

Email To: **sdacus@smeinc.com**

Project Description:
New Indy - Catawba

City/State Collected: **SC**

Please Circle:
PT MT CT ET

Phone: **864-574-2360**

Client Project #
4213-18-087

Lab Project #
SMESPAR-4213-18-087

Collected by (print):
SCOTT DACUS

Site/Facility ID #

P.O. #
4213-18-087

Collected by (signature):
[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

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs |
|------------|-----------|---------------|-------|---------|------|--------------|
| CM-FB-GW-6 | G | GW | | 3/17/21 | 0951 | 2 |
| | | GW | | | | 2 |
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SV8290 1L-Amb-NoPres

Pres Chk

Analysis / Container / Preservative



13065 Lebanon Road Mt Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
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 # **U328790**
Table #
Acctnum: **SMESPAR**
Template: **T137919**
Prelogin: **P833467**
PM: **690 - Tom Mellette**
PB: **76 3-10-21**
Shipped Via: **FedEX Ground**

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

Remarks:
pH _____ Temp _____
Flow _____ Other _____
Samples returned via: ___ UPS ___ FedEx ___ Courier _____
Tracking # **9517 5767 0599**

Sample Receipt Checklist
COC Seal Present/Intact: 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 Headpace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N
RAD Screen <0.5 mR/hr: Y ___ N

Relinquished by: (Signature) *[Signature]*
Date: **3/18/21** Time: **1700**

Received by: (Signature) _____
Date: _____ Time: _____

Trip Blank Received: Yes (No) HCL/MeOH TBR
Temp **6** °C
Bottles Received: **42**

Relinquished by: (Signature) _____
Date: _____ Time: _____

Received by: (Signature) _____
Date: _____ Time: _____

Hold: _____
Date: **3/19/21** Time: **9:00**

If preservation required by Login: Date/Time

Relinquished by: (Signature) _____
Date: _____ Time: _____

Received for lab by: (Signature) *[Signature]*
Date: _____ Time: _____

Condition: NCF OK

Report Prepared for:

Client Services
Pace Analytical National
12065 Lebanon Road
Mount Juliet TN 37122

**REPORT OF
LABORATORY
ANALYSIS FOR
PCDD/PCDF**

Report Prepared Date:

April 8, 2021

Report Information:

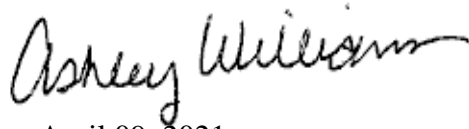
Pace Project #: 10551951
Sample Receipt Date: 03/23/2021
Client Project #: L1328790 WG1637541
Client Sub PO #: L1328790
State Cert #: 74003

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Ashley Williams, your Pace Project Manager.

This report has been reviewed by:



April 09, 2021

Ashley Williams, Project Manager
(612) 346-8158
(612) 607-6444 (fax)
ashley.williams@pacelabs.com



Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on twenty-one samples submitted by a representative of Pace Analytical National. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations. The reporting limits were set to correspond to the lowest calibration points and a nominal 1-liter sample amount, and the sensitivity was verified by signal-to-noise measurements. The quantitation limits, adjusted for sample extraction amount, may be somewhat higher or lower than the reporting limits provided in this report.

Second column confirmation analyses of 2,3,7,8-TCDF values obtained from the primary (DB5-MS) column are performed only when specifically requested for a project and only when the values are above the concentration of the lowest calibration standard. Typical resolution for this isomer using the DB5-MS column ranges from 25-30%.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 27-123%. Except for twenty low values, which were flagged "R" on the results table, the labeled internal standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results show that PCDDs and PCDFs were not detected.

Laboratory spike samples were also prepared with each sample batch using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 82-113% with relative percent differences of 0.0-17.3%. These results were within the target ranges for the method. Matrix spikes were not prepared with the sample batches.

REPORT OF LABORATORY ANALYSIS

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Minnesota Laboratory Certifications

| Authority | Certificate # | Authority | Certificate # |
|----------------|----------------|-----------------|----------------|
| A2LA | 2926.01 | Missouri | 10100 |
| Alabama | 40770 | Montana | CERT0092 |
| Alaska-DW | MN00064 | Nebraska | NE-OS-18-06 |
| Alaska-UST | 17-009 | Nevada | MN00064 |
| Arizona | AZ0014 | New Hampshire | 2081 |
| Arkansas - WW | 88-0680 | New Jersey | MN002 |
| Arkansas-DW | MN00064 | New York | 11647 |
| California | 2929 | North Carolina- | 27700 |
| Colorado | MN00064 | North Carolina- | 530 |
| Connecticut | PH-0256 | North Dakota | R-036 |
| Florida | E87605 | Ohio-DW | 41244 |
| Georgia | 959 | Ohio-VAP (170 | CL101 |
| Hawaii | MN00064 | Ohio-VAP (180 | CL110 |
| Idaho | MN00064 | Oklahoma | 9507 |
| Illinois | 200011 | Oregon- rimary | MN300001 |
| Indiana | C-MN-01 | Oregon-Second | MN200001 |
| Iowa | 368 | Pennsylvania | 68-00563 |
| Kansas | E-10167 | Puerto Rico | MN00064 |
| Kentucky-DW | 90062 | South Carolina | 74003 |
| Kentucky-WW | 90062 | Tennessee | TN02818 |
| Louisiana-DEQ | AI-84596 | Texas | T104704192 |
| Louisiana-DW | MN00064 | Utah | MN00064 |
| Maine | MN00064 | Vermont | VT-027053137 |
| Maryland | 322 | Virginia | 460163 |
| Michigan | 9909 | Washington | C486 |
| Minnesota | 027-053-137 | West Virginia-D | 382 |
| Minnesota-Ag | via MN 027-053 | West Virginia-D | 9952C |
| Minnesota-Petr | 1240 | Wisconsin | 999407970 |
| Mississippi | MN00064 | Wyoming-UST | via A2LA 2926. |

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management



Document Name:
Sample Condition Upon Receipt (SCUR) - MN

Document No.:
ENV-FRM-MIN4-0150 Rev.01

Document Revised: 12Aug2020
Page 1 of 1

Pace Analytical Services -
Minneapolis

Sample Condition Upon Receipt

Client Name: Pac National

Project #:

WO#: 10551951

PM: AW1 Due Date: 04/06/21
CLIENT: ESC_TN

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial

See Exceptions
ENV-FRM-MIN4-0142

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No Biological Tissue Frozen? Yes No N/A

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer: T1(0461) T2(1336) T3(0459) T4(0254) T5(0489) Type of Ice: Wet Blue None Dry Melted

Did Samples Originate in West Virginia? Yes No Were All Container Temps Taken? Yes No N/A

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 2.4, 1.2, 0.8, 2.4, 0.5, 0.9, 0.6 °C Average Corrected Temp (no temp blank only): _____ °C See Exceptions ENV-FRM-MIN4-0142 1 Container

Correction Factor: +0.2 Cooler Temp Corrected w/temp blank: 2.6, 1.4, 1.0, 2.6, 0.7, 1.1, 0.8 °C

USDA Regulated Soil: (N/A, water sample/Other: _____) Date/Initials of Person Examining Contents: KJZ 3/23/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

| | | COMMENTS: |
|--|--|---|
| Chain of Custody Present and Filled Out? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 1. |
| Chain of Custody Relinquished? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. |
| Sampler Name and/or Signature on COC? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Samples Arrived within Hold Time? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 4. |
| Short Hold Time Analysis (<72 hr)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other |
| Rush Turn Around Time Requested? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. |
| Sufficient Volume? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 7. |
| Correct Containers Used? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 8. |
| -Pace Containers Used? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Containers Intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 9. |
| Field Filtered Volume Received for Dissolved Tests? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Is sufficient information available to reconcile the samples to the COC? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142 |
| Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other | | |
| All containers needing acid/base preservation have been checked? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 12. Sample # |
| All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide) | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate |
| Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Positive for Res. <input type="checkbox"/> Yes <input type="checkbox"/> No Chlorine? <input type="checkbox"/> Yes <input type="checkbox"/> No pH Paper Lot# <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142 |
| | | Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip |
| Extra labels present on soil VOA or WIDRO containers? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142 |
| Headspace in VOA Vials (greater than 6mm)? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Trip Blank Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Trip Blank Custody Seals Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Pace Trip Blank Lot # (if purchased): |

CLIENT NOTIFICATION/RESOLUTION


Person Contacted: _____ Date/Time: _____
Comments/Resolution: _____

Field Data Required? Yes No

Project Manager Review: Ashley Williams

Date: 3/23/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

| | | |
|--|--|---|
|  | Document Name: Sample Condition Upon Receipt (SCUR) Exception Form | Document Revised: 04Jun2020 Page 1 of 1 |
| | Document No.: ENV-FRM-MIN4-0142 Rev.01 | Pace Analytical Services - Minneapolis |

SCUR Exceptions:

Workorder #:

| Out of Temp Sample IDs | Container Type | # of Containers | PM Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | |
|------------------------|----------------|-----------------|---|---------------|--|--|-----------|----------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | If yes, indicate who was contacted/date/time. If no, indicate reason why. | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | Multiple Cooler Project? <input type="checkbox"/> Yes <input type="checkbox"/> No If you answered yes, fill out information to the left. | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1"> <thead> <tr> <th colspan="3">No Temp Blank</th> </tr> <tr> <th>Read Temp</th> <th>Corrected Temp</th> <th>Average Temp</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table> | No Temp Blank | | | Read Temp | Corrected Temp | Average Temp | | | | | | | | | | | | |
| No Temp Blank | | | | | | | | | | | | | | | | | | | | | |
| Read Temp | Corrected Temp | Average Temp | | | | | | | | | | | | | | | | | | | |
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| Tracking Number/Temperature | | | |
|-----------------------------|------|------|-----|
| 9517 | 5771 | 0059 | 2.6 |
| 9517 | 5771 | 0015 | 1.4 |
| 9517 | 5771 | 0070 | 1.0 |
| 9517 | 5771 | 0028 | 2.6 |
| 9517 | 5771 | 0060 | 0.7 |
| 9517 | 5771 | 0048 | 1.1 |
| 9517 | 5771 | 0037 | 0.8 |
| | | | |
| | | | |
| | | | |

| Issue Type: | Container Type | # of Containers |
|-------------|----------------|-----------------|
| Sample ID | Type | |
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pH Adjustment Log for Preserved Samples

| Sample ID | Type of Preserv. | pH Upon Receipt | Date Adjusted | Time Adjusted | Amount Added (mL) | Lot # Added | pH After | In Compliance after addition? <input type="checkbox"/> Yes <input type="checkbox"/> No | Initials |
|-----------|------------------|-----------------|---------------|---------------|-------------------|-------------|----------|---|----------|
| | | | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Comments:

Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Interference present
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

REPORT OF LABORATORY ANALYSIS

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Appendix B

Sample Analysis Summary



Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R29-MW-1 | | |
| Lab Sample ID | 10551951001 | | |
| Filename | F210329B_12 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1020 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 12:40 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/29/2021 23:01 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | 29 | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 78 |
| Total TCDF | 29 | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 69 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 73 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 81 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 75 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 61 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 63 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 68 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 64 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 63 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 58 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 56 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 55 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 58 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 44 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 73 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 4.7 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 130 | ---- | 50 | | | |
| Total HpCDD | 300 | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | 1600 | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R30-MW-1 | | |
| Lab Sample ID | 10551951002 | | |
| Filename | F210329B_13 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 12:29 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/29/2021 23:47 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 76 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 70 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 82 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 92 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 88 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 76 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 79 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 81 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 82 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 77 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 71 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 70 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 71 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 75 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 56 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 65 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R32-MW-1 | | |
| Lab Sample ID | 10551951003 | | |
| Filename | F210329B_14 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/15/2021 15:31 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 00:33 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 82 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 74 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 87 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 100 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 94 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 78 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 82 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 84 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 84 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 78 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 72 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 73 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 72 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 78 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 60 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 71 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R32-MW-5 | | |
| Lab Sample ID | 10551951004 | | |
| Filename | F210329B_15 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/15/2021 16:51 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 01:19 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 84 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 75 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 93 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 104 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 95 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 84 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 83 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 90 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 84 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 88 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 76 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 77 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 76 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 83 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 62 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 72 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | WYLF-MW-1 | | |
| Lab Sample ID | 10551951005 | | |
| Filename | F210329B_16 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 10:00 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 02:05 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 85 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 75 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 89 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 100 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 93 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 81 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 81 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 83 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 82 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 82 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 76 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 74 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 72 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 79 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 57 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 69 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | WYLF-MW-2 | | |
| Lab Sample ID | 10551951006 | | |
| Filename | F210330A_02 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 15:15 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 05:09 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 76 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 68 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 77 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 90 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 83 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 68 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 74 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 74 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 74 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 72 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 64 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 62 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 62 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 65 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 45 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 71 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | WYLF-MW-3 | | |
| Lab Sample ID | 10551951007 | | |
| Filename | F210330A_03 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 16:50 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 05:55 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 77 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 67 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 84 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 91 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 86 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 76 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 78 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 81 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 79 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 80 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 73 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 72 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 68 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 75 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 55 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 64 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R28-MW-1 | | |
| Lab Sample ID | 10551951008 | | |
| Filename | F210330A_04 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 10:45 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 06:41 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 42 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 37 R |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 42 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 48 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 43 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 39 R |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 41 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 43 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 38 R |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 39 R |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 36 R |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 36 R |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 33 R |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 36 R |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 27 R |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 40 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

R = Recovery outside target range

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R26-MW-1 | | |
| Lab Sample ID | 10551951009 | | |
| Filename | F210330A_05 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1010 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 10:38 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 07:27 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 71 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 63 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 77 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 90 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 86 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 72 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 77 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 79 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 80 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 76 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 68 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 71 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 69 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 76 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 51 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 66 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | GW-9 | | |
| Lab Sample ID | 10551951010 | | |
| Filename | F210330A_06 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1020 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 09:25 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 08:13 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 100 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 93 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 108 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 123 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 118 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 101 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 107 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 106 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 107 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 102 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 96 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 98 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 93 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 102 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 73 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 86 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | GW-36 | | |
| Lab Sample ID | 10551951011 | | |
| Filename | F210330A_07 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 965 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 15:00 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 08:59 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 60 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 57 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 69 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 78 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 72 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 63 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 67 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 68 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 68 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 65 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 58 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 59 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 58 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 65 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 45 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 54 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | GW-37 | | |
| Lab Sample ID | 10551951012 | | |
| Filename | F210330A_08 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 997 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 14:26 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 09:45 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 75 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 67 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 81 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 90 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 86 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 71 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 72 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 75 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 72 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 71 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 70 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 66 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 63 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 73 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 49 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 71 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R1-MW-1 | | |
| Lab Sample ID | 10551951013 | | |
| Filename | F210330A_09 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1040 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 11:41 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 10:31 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 76 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 69 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 83 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 93 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 90 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 76 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 79 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 80 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 80 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 80 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 70 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 73 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 69 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 79 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 53 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 73 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | R1-MW-2 | | |
| Lab Sample ID | 10551951014 | | |
| Filename | F210330A_10 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1010 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 13:20 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 11:17 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 81 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 72 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 79 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 91 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 83 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 63 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 68 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 72 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 67 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 64 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 62 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 56 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 54 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 60 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 41 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 74 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | DF-MW-1 | | |
| Lab Sample ID | 10551951015 | | |
| Filename | F210330A_11 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1030 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 09:21 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 12:04 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 78 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 69 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 83 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 92 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 89 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 72 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 79 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 77 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 77 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 76 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 67 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 72 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 70 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 75 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 57 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 71 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.070 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | 230 | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | DF-MW-2 | | |
| Lab Sample ID | 10551951016 | | |
| Filename | F210330A_12 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1040 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 10:47 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 12:50 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 78 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 74 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 83 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 93 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 89 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 74 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 81 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 80 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 79 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 79 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 71 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 70 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 67 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 75 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 51 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 67 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | DF-MW-3 | | |
| Lab Sample ID | 10551951017 | | |
| Filename | F210330A_13 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1040 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/15/2021 16:07 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 13:36 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 73 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 69 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 80 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 88 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 85 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 73 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 74 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 76 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 75 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 71 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 73 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 67 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 66 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 71 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 47 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 71 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | DF-MW-4 | | |
| Lab Sample ID | 10551951018 | | |
| Filename | F210330A_14 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1000 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 16:10 |
| ICAL ID | F210105 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | F210329B_18 & F210330A_15 | Extracted | 03/24/2021 11:55 |
| Method Blank ID | BLANK-88332 | Analyzed | 03/30/2021 14:22 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 83 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 79 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 92 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 102 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 98 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 85 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 90 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 92 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 91 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 89 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 76 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 80 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 75 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 83 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 56 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 68 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | CM-DUP-GW-11 | | |
| Lab Sample ID | 10551951019 | | |
| Filename | U210331A_14 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1040 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/16/2021 00:01 |
| ICAL ID | U210106 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | U210331A_01 & U210331A_19 | Extracted | 03/25/2021 13:37 |
| Method Blank ID | BLANK-88381 | Analyzed | 03/31/2021 23:17 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 73 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 70 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 65 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 66 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 70 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 76 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 71 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 79 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 80 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 82 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 65 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 64 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 69 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 79 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 70 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 73 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | CM-EB-GW-5 | | |
| Lab Sample ID | 10551951020 | | |
| Filename | U210331A_15 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 1020 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 09:40 |
| ICAL ID | U210106 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | U210331A_01 & U210331A_19 | Extracted | 03/25/2021 13:37 |
| Method Blank ID | BLANK-88381 | Analyzed | 04/01/2021 00:02 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 37 R |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 38 R |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 36 R |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 37 R |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 39 R |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 41 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 42 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 42 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 42 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 43 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 38 R |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 36 R |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 38 R |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 43 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 35 R |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 39 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

R = Recovery outside target range

REPORT OF LABORATORY ANALYSIS

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Method 8290 Sample Analysis Results

Client - Pace Analytical National

| | | | |
|------------------------|---------------------------|-----------|------------------|
| Client's Sample ID | CM-FB-GW-6 | | |
| Lab Sample ID | 10551951021 | | |
| Filename | U210331A_16 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 977 mL | Matrix | Water |
| % Moisture | NA | Dilution | NA |
| Dry Weight Extracted | NA | Collected | 03/17/2021 09:51 |
| ICAL ID | U210106 | Received | 03/23/2021 08:50 |
| CCal Filename(s) | U210331A_01 & U210331A_19 | Extracted | 03/25/2021 13:37 |
| Method Blank ID | BLANK-88381 | Analyzed | 04/01/2021 00:46 |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 73 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 71 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 69 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 75 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 81 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 82 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 81 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 84 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 82 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 88 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 76 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 69 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 67 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 80 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 60 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 70 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Method 8290 Blank Analysis Results

| | | | |
|------------------------|---------------------------|-------------|------------------|
| Lab Sample Name | DFBLKAP | Matrix | Water |
| Lab Sample ID | BLANK-88332 | Dilution | NA |
| Filename | F210329B_08 | Extracted | 03/24/2021 11:55 |
| Total Amount Extracted | 1000 mL | Analyzed | 03/29/2021 19:57 |
| ICAL ID | F210105 | Injected By | SMT |
| CCal Filename(s) | F210329B_02 & F210329B_18 | | |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 41 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 38 R |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 48 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 52 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 49 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 44 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 48 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 49 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 49 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 44 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 43 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 43 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 40 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 45 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 37 R |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 38 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

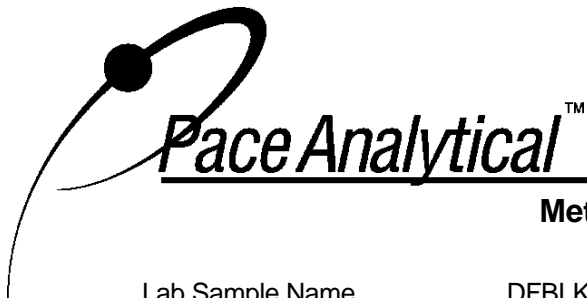
EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

R = Recovery outside target range

REPORT OF LABORATORY ANALYSIS

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Method 8290 Blank Analysis Results

| | | | |
|------------------------|---------------------------|-------------|------------------|
| Lab Sample Name | DFBLKBI | Matrix | Water |
| Lab Sample ID | BLANK-88381 | Dilution | NA |
| Filename | U210331A_07 | Extracted | 03/25/2021 13:37 |
| Total Amount Extracted | 993 mL | Analyzed | 03/31/2021 18:04 |
| ICAL ID | U210106 | Injected By | SMT |
| CCal Filename(s) | U210331A_01 & U210331A_19 | | |

| Native Isomers | Conc pg/L | EMPC pg/L | RL pg/L | Internal Standards | ng's Added | Percent Recovery |
|---------------------|--------------|--------------|------------|--|---------------|---------------------|
| 2,3,7,8-TCDF | ND | ---- | 10 | 2,3,7,8-TCDF-13C | 2.00 | 72 |
| Total TCDF | ND | ---- | 10 | 2,3,7,8-TCDD-13C | 2.00 | 74 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 74 |
| 2,3,7,8-TCDD | ND | ---- | 10 | 2,3,4,7,8-PeCDF-13C | 2.00 | 76 |
| Total TCDD | ND | ---- | 10 | 1,2,3,7,8-PeCDD-13C | 2.00 | 85 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 73 |
| 1,2,3,7,8-PeCDF | ND | ---- | 50 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 71 |
| 2,3,4,7,8-PeCDF | ND | ---- | 50 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 75 |
| Total PeCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 78 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 83 |
| 1,2,3,7,8-PeCDD | ND | ---- | 50 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 70 |
| Total PeCDD | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 71 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 72 |
| 1,2,3,4,7,8-HxCDF | ND | ---- | 50 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 86 |
| 1,2,3,6,7,8-HxCDF | ND | ---- | 50 | OCDD-13C | 4.00 | 76 |
| 2,3,4,6,7,8-HxCDF | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ---- | 50 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ---- | 50 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | ND | ---- | 50 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 79 |
| 1,2,3,6,7,8-HxCDD | ND | ---- | 50 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ---- | 50 | | | |
| Total HxCDD | ND | ---- | 50 | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ---- | 50 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ---- | 50 | Equivalence: 0.00 pg/L | | |
| Total HpCDF | ND | ---- | 50 | (Lower-bound - Using 2005 WHO Factors) | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ---- | 50 | | | |
| Total HpCDD | ND | ---- | 50 | | | |
| | | | | | | |
| OCDF | ND | ---- | 100 | | | |
| OCDD | ND | ---- | 100 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Method 8290 Laboratory Control Spike Results

| | | | |
|------------------------|---------------------------|-------------|------------------|
| Lab Sample ID | LCS-88333 | Matrix | Water |
| Filename | F210329B_04 | Dilution | NA |
| Total Amount Extracted | 1010 mL | Extracted | 03/24/2021 11:55 |
| ICAL ID | F210105 | Analyzed | 03/29/2021 16:52 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Injected By | SMT |
| Method Blank ID | BLANK-88332 | | |

| Native Isomers | Qs (ng) | Qm (ng) | % Rec. | Internal Standards | ng's Added | Percent Recovery |
|---------------------|---------|---------|--------|-------------------------|------------|------------------|
| 2,3,7,8-TCDF | 0.20 | 0.19 | 94 | 2,3,7,8-TCDF-13C | 2.0 | 81 |
| Total TCDF | | | | 2,3,7,8-TCDD-13C | 2.0 | 73 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.0 | 92 |
| 2,3,7,8-TCDD | 0.20 | 0.18 | 91 | 2,3,4,7,8-PeCDF-13C | 2.0 | 100 |
| Total TCDD | | | | 1,2,3,7,8-PeCDD-13C | 2.0 | 91 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.0 | 81 |
| 1,2,3,7,8-PeCDF | 1.0 | 0.91 | 91 | 1,2,3,6,7,8-HxCDF-13C | 2.0 | 88 |
| 2,3,4,7,8-PeCDF | 1.0 | 0.90 | 90 | 2,3,4,6,7,8-HxCDF-13C | 2.0 | 87 |
| Total PeCDF | | | | 1,2,3,7,8,9-HxCDF-13C | 2.0 | 87 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.0 | 82 |
| 1,2,3,7,8-PeCDD | 1.0 | 0.88 | 88 | 1,2,3,6,7,8-HxCDD-13C | 2.0 | 74 |
| Total PeCDD | | | | 1,2,3,4,6,7,8-HpCDF-13C | 2.0 | 81 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.0 | 76 |
| 1,2,3,4,7,8-HxCDF | 1.0 | 1.1 | 105 | 1,2,3,4,6,7,8-HpCDD-13C | 2.0 | 82 |
| 1,2,3,6,7,8-HxCDF | 1.0 | 0.94 | 94 | OCDD-13C | 4.0 | 71 |
| 2,3,4,6,7,8-HxCDF | 1.0 | 1.0 | 101 | | | |
| 1,2,3,7,8,9-HxCDF | 1.0 | 0.98 | 98 | 1,2,3,4-TCDD-13C | 2.0 | NA |
| Total HxCDF | | | | 1,2,3,7,8,9-HxCDD-13C | 2.0 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | 1.0 | 1.1 | 108 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 72 |
| 1,2,3,6,7,8-HxCDD | 1.0 | 1.0 | 101 | | | |
| 1,2,3,7,8,9-HxCDD | 1.0 | 1.1 | 106 | | | |
| Total HxCDD | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 1.0 | 0.99 | 99 | | | |
| 1,2,3,4,7,8,9-HpCDF | 1.0 | 0.94 | 94 | | | |
| Total HpCDF | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 1.0 | 1.00 | 100 | | | |
| Total HpCDD | | | | | | |
| | | | | | | |
| OCDF | 2.0 | 2.0 | 100 | | | |
| OCDD | 2.0 | 2.0 | 100 | | | |

Qs = Quantity Spiked
 Qm = Quantity Measured
 Rec. = Recovery (Expressed as Percent)
 R = Recovery outside of target range

Y = RF averaging used in calculations
 Nn = Value obtained from additional analysis
 NA = Not Applicable
 * = See Discussion

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Method 8290 Laboratory Control Spike Results

| | | | |
|------------------------|---------------------------|-------------|------------------|
| Lab Sample ID | LCS-88382 | Matrix | Water |
| Filename | U210331A_04 | Dilution | NA |
| Total Amount Extracted | 1000 mL | Extracted | 03/25/2021 13:37 |
| ICAL ID | U210106 | Analyzed | 03/31/2021 15:50 |
| CCal Filename(s) | U210331A_01 & U210331A_19 | Injected By | SMT |
| Method Blank ID | BLANK-88381 | | |

| Native Isomers | Qs (ng) | Qm (ng) | % Rec. | Internal Standards | ng's Added | Percent Recovery |
|---------------------|---------|---------|--------|-------------------------|------------|------------------|
| 2,3,7,8-TCDF | 0.20 | 0.18 | 91 | 2,3,7,8-TCDF-13C | 2.0 | 74 |
| Total TCDF | | | | 2,3,7,8-TCDD-13C | 2.0 | 77 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.0 | 74 |
| 2,3,7,8-TCDD | 0.20 | 0.19 | 95 | 2,3,4,7,8-PeCDF-13C | 2.0 | 79 |
| Total TCDD | | | | 1,2,3,7,8-PeCDD-13C | 2.0 | 85 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.0 | 77 |
| 1,2,3,7,8-PeCDF | 1.0 | 0.86 | 86 | 1,2,3,6,7,8-HxCDF-13C | 2.0 | 77 |
| 2,3,4,7,8-PeCDF | 1.0 | 0.86 | 86 | 2,3,4,6,7,8-HxCDF-13C | 2.0 | 81 |
| Total PeCDF | | | | 1,2,3,7,8,9-HxCDF-13C | 2.0 | 82 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.0 | 85 |
| 1,2,3,7,8-PeCDD | 1.0 | 0.82 | 82 | 1,2,3,6,7,8-HxCDD-13C | 2.0 | 76 |
| Total PeCDD | | | | 1,2,3,4,6,7,8-HpCDF-13C | 2.0 | 77 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.0 | 83 |
| 1,2,3,4,7,8-HxCDF | 1.0 | 0.92 | 92 | 1,2,3,4,6,7,8-HpCDD-13C | 2.0 | 95 |
| 1,2,3,6,7,8-HxCDF | 1.0 | 0.88 | 88 | OCDD-13C | 4.0 | 82 |
| 2,3,4,6,7,8-HxCDF | 1.0 | 0.88 | 88 | | | |
| 1,2,3,7,8,9-HxCDF | 1.0 | 0.86 | 86 | 1,2,3,4-TCDD-13C | 2.0 | NA |
| Total HxCDF | | | | 1,2,3,7,8,9-HxCDD-13C | 2.0 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | 1.0 | 1.0 | 101 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 74 |
| 1,2,3,6,7,8-HxCDD | 1.0 | 0.90 | 90 | | | |
| 1,2,3,7,8,9-HxCDD | 1.0 | 0.96 | 96 | | | |
| Total HxCDD | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 1.0 | 0.95 | 95 | | | |
| 1,2,3,4,7,8,9-HpCDF | 1.0 | 0.93 | 93 | | | |
| Total HpCDF | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 1.0 | 0.87 | 87 | | | |
| Total HpCDD | | | | | | |
| | | | | | | |
| OCDF | 2.0 | 1.7 | 83 | | | |
| OCDD | 2.0 | 1.9 | 96 | | | |

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 8290 Laboratory Control Spike Results

| | | | |
|------------------------|---------------------------|-------------|------------------|
| Lab Sample ID | LCSD-88334 | Matrix | Water |
| Filename | F210329B_05 | Dilution | NA |
| Total Amount Extracted | 1020 mL | Extracted | 03/24/2021 11:55 |
| ICAL ID | F210105 | Analyzed | 03/29/2021 17:38 |
| CCal Filename(s) | F210329B_02 & F210329B_18 | Injected By | SMT |
| Method Blank ID | BLANK-88332 | | |

| Native Isomers | Qs (ng) | Qm (ng) | % Rec. | Internal Standards | ng's Added | Percent Recovery |
|---------------------|---------|---------|--------|-------------------------|------------|------------------|
| 2,3,7,8-TCDF | 0.20 | 0.18 | 92 | 2,3,7,8-TCDF-13C | 2.0 | 82 |
| Total TCDF | | | | 2,3,7,8-TCDD-13C | 2.0 | 73 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.0 | 93 |
| 2,3,7,8-TCDD | 0.20 | 0.20 | 102 | 2,3,4,7,8-PeCDF-13C | 2.0 | 100 |
| Total TCDD | | | | 1,2,3,7,8-PeCDD-13C | 2.0 | 96 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.0 | 82 |
| 1,2,3,7,8-PeCDF | 1.0 | 0.94 | 94 | 1,2,3,6,7,8-HxCDF-13C | 2.0 | 85 |
| 2,3,4,7,8-PeCDF | 1.0 | 0.94 | 94 | 2,3,4,6,7,8-HxCDF-13C | 2.0 | 86 |
| Total PeCDF | | | | 1,2,3,7,8,9-HxCDF-13C | 2.0 | 91 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.0 | 83 |
| 1,2,3,7,8-PeCDD | 1.0 | 0.91 | 91 | 1,2,3,6,7,8-HxCDD-13C | 2.0 | 75 |
| Total PeCDD | | | | 1,2,3,4,6,7,8-HpCDF-13C | 2.0 | 82 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.0 | 78 |
| 1,2,3,4,7,8-HxCDF | 1.0 | 1.1 | 110 | 1,2,3,4,6,7,8-HpCDD-13C | 2.0 | 85 |
| 1,2,3,6,7,8-HxCDF | 1.0 | 1.0 | 103 | OCDD-13C | 4.0 | 67 |
| 2,3,4,6,7,8-HxCDF | 1.0 | 1.1 | 107 | | | |
| 1,2,3,7,8,9-HxCDF | 1.0 | 1.0 | 101 | 1,2,3,4-TCDD-13C | 2.0 | NA |
| Total HxCDF | | | | 1,2,3,7,8,9-HxCDD-13C | 2.0 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | 1.0 | 1.1 | 113 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 68 |
| 1,2,3,6,7,8-HxCDD | 1.0 | 1.1 | 107 | | | |
| 1,2,3,7,8,9-HxCDD | 1.0 | 1.1 | 110 | | | |
| Total HxCDD | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 1.0 | 1.0 | 100 | | | |
| 1,2,3,4,7,8,9-HpCDF | 1.0 | 1.0 | 101 | | | |
| Total HpCDF | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 1.0 | 0.97 | 97 | | | |
| Total HpCDD | | | | | | |
| | | | | | | |
| OCDF | 2.0 | 2.2 | 111 | | | |
| OCDD | 2.0 | 2.2 | 111 | | | |

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 8290 Laboratory Control Spike Results

| | | | |
|------------------------|---------------------------|-------------|------------------|
| Lab Sample ID | LCSD-88383 | Matrix | Water |
| Filename | U210331A_05 | Dilution | NA |
| Total Amount Extracted | 999 mL | Extracted | 03/25/2021 13:37 |
| ICAL ID | U210106 | Analyzed | 03/31/2021 16:35 |
| CCal Filename(s) | U210331A_01 & U210331A_19 | Injected By | SMT |
| Method Blank ID | BLANK-88381 | | |

| Native Isomers | Qs (ng) | Qm (ng) | % Rec. | Internal Standards | ng's Added | Percent Recovery |
|---------------------|---------|---------|--------|-------------------------|------------|------------------|
| 2,3,7,8-TCDF | 0.20 | 0.19 | 93 | 2,3,7,8-TCDF-13C | 2.0 | 67 |
| Total TCDF | | | | 2,3,7,8-TCDD-13C | 2.0 | 69 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.0 | 62 |
| 2,3,7,8-TCDD | 0.20 | 0.19 | 96 | 2,3,4,7,8-PeCDF-13C | 2.0 | 69 |
| Total TCDD | | | | 1,2,3,7,8-PeCDD-13C | 2.0 | 78 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.0 | 73 |
| 1,2,3,7,8-PeCDF | 1.0 | 0.87 | 87 | 1,2,3,6,7,8-HxCDF-13C | 2.0 | 70 |
| 2,3,4,7,8-PeCDF | 1.0 | 0.84 | 84 | 2,3,4,6,7,8-HxCDF-13C | 2.0 | 74 |
| Total PeCDF | | | | 1,2,3,7,8,9-HxCDF-13C | 2.0 | 73 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.0 | 84 |
| 1,2,3,7,8-PeCDD | 1.0 | 0.85 | 85 | 1,2,3,6,7,8-HxCDD-13C | 2.0 | 66 |
| Total PeCDD | | | | 1,2,3,4,6,7,8-HpCDF-13C | 2.0 | 72 |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.0 | 75 |
| 1,2,3,4,7,8-HxCDF | 1.0 | 0.89 | 89 | 1,2,3,4,6,7,8-HpCDD-13C | 2.0 | 88 |
| 1,2,3,6,7,8-HxCDF | 1.0 | 0.89 | 89 | OCDD-13C | 4.0 | 76 |
| 2,3,4,6,7,8-HxCDF | 1.0 | 0.88 | 88 | | | |
| 1,2,3,7,8,9-HxCDF | 1.0 | 0.88 | 88 | 1,2,3,4-TCDD-13C | 2.0 | NA |
| Total HxCDF | | | | 1,2,3,7,8,9-HxCDD-13C | 2.0 | NA |
| | | | | | | |
| 1,2,3,4,7,8-HxCDD | 1.0 | 0.91 | 91 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 68 |
| 1,2,3,6,7,8-HxCDD | 1.0 | 1.1 | 107 | | | |
| 1,2,3,7,8,9-HxCDD | 1.0 | 0.96 | 96 | | | |
| Total HxCDD | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 1.0 | 0.97 | 97 | | | |
| 1,2,3,4,7,8,9-HpCDF | 1.0 | 0.94 | 94 | | | |
| Total HpCDF | | | | | | |
| | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 1.0 | 0.91 | 91 | | | |
| Total HpCDD | | | | | | |
| | | | | | | |
| OCDF | 2.0 | 1.8 | 89 | | | |
| OCDD | 2.0 | 2.3 | 113 | | | |

Qs = Quantity Spiked
 Qm = Quantity Measured
 Rec. = Recovery (Expressed as Percent)
 R = Recovery outside of target range

Y = RF averaging used in calculations
 Nn = Value obtained from additional analysis
 NA = Not Applicable
 * = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 8290

Spike Recovery Relative Percent Difference (RPD) Results

Client Pace Analytical National

Spike 1 ID LCS-88333
 Spike 1 Filename F210329B_04

Spike 2 ID LCSD-88334
 Spike 2 Filename F210329B_05

| Compound | Spike 1 %REC | Spike 2 %REC | %RPD |
|---------------------|-----------------|-----------------|------|
| 2,3,7,8-TCDF | 94 | 92 | 2.2 |
| 2,3,7,8-TCDD | 91 | 102 | 11.4 |
| 1,2,3,7,8-PeCDF | 91 | 94 | 3.2 |
| 2,3,4,7,8-PeCDF | 90 | 94 | 4.3 |
| 1,2,3,7,8-PeCDD | 88 | 91 | 3.4 |
| 1,2,3,4,7,8-HxCDF | 105 | 110 | 4.7 |
| 1,2,3,6,7,8-HxCDF | 94 | 103 | 9.1 |
| 2,3,4,6,7,8-HxCDF | 101 | 107 | 5.8 |
| 1,2,3,7,8,9-HxCDF | 98 | 101 | 3.0 |
| 1,2,3,4,7,8-HxCDD | 108 | 113 | 4.5 |
| 1,2,3,6,7,8-HxCDD | 101 | 107 | 5.8 |
| 1,2,3,7,8,9-HxCDD | 106 | 110 | 3.7 |
| 1,2,3,4,6,7,8-HpCDF | 99 | 100 | 1.0 |
| 1,2,3,4,7,8,9-HpCDF | 94 | 101 | 7.2 |
| 1,2,3,4,6,7,8-HpCDD | 100 | 97 | 3.0 |
| OCDF | 100 | 111 | 10.4 |
| OCDD | 100 | 111 | 10.4 |

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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Method 8290

Spike Recovery Relative Percent Difference (RPD) Results

Client Pace Analytical National

Spike 1 ID LCS-88382
 Spike 1 Filename U210331A_04

Spike 2 ID LCSD-88383
 Spike 2 Filename U210331A_05

| Compound | Spike 1 %REC | Spike 2 %REC | %RPD |
|---------------------|-----------------|-----------------|------|
| 2,3,7,8-TCDF | 91 | 93 | 2.2 |
| 2,3,7,8-TCDD | 95 | 96 | 1.0 |
| 1,2,3,7,8-PeCDF | 86 | 87 | 1.2 |
| 2,3,4,7,8-PeCDF | 86 | 84 | 2.4 |
| 1,2,3,7,8-PeCDD | 82 | 85 | 3.6 |
| 1,2,3,4,7,8-HxCDF | 92 | 89 | 3.3 |
| 1,2,3,6,7,8-HxCDF | 88 | 89 | 1.1 |
| 2,3,4,6,7,8-HxCDF | 88 | 88 | 0.0 |
| 1,2,3,7,8,9-HxCDF | 86 | 88 | 2.3 |
| 1,2,3,4,7,8-HxCDD | 101 | 91 | 10.4 |
| 1,2,3,6,7,8-HxCDD | 90 | 107 | 17.3 |
| 1,2,3,7,8,9-HxCDD | 96 | 96 | 0.0 |
| 1,2,3,4,6,7,8-HpCDF | 95 | 97 | 2.1 |
| 1,2,3,4,7,8,9-HpCDF | 93 | 94 | 1.1 |
| 1,2,3,4,6,7,8-HpCDD | 87 | 91 | 4.5 |
| OCDF | 83 | 89 | 7.0 |
| OCDD | 96 | 113 | 16.3 |

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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March 31, 2021

Revised Report

S&ME Inc. - Spartanburg SC

Sample Delivery Group: L1328822
Samples Received: 03/19/2021
Project Number: 4213-18-087
Description: New Indy - Catawba

Report To: Scott Dacus
301 Zima Park Drive
Spartanburg, SC 29301

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:



Tom Mellette
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

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

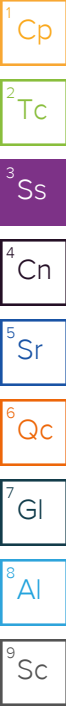
⁹ Sc

SAMPLE SUMMARY

R4-MW-1 L1328822-01 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 08:57
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:15 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:13 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 04:49 | 03/22/21 04:49 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 15:46 | 03/22/21 15:46 | DWR | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638328 | 1 | 03/22/21 05:51 | 03/23/21 09:37 | SHG | Mt. Juliet, TN |



R4-MW-2 L1328822-02 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 10:19
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:17 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:23 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 05:10 | 03/22/21 05:10 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 16:07 | 03/22/21 16:07 | DWR | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638328 | 1 | 03/22/21 05:51 | 03/23/21 10:01 | SHG | Mt. Juliet, TN |

R12-MW-1 L1328822-03 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 11:50
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:19 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:26 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 05:31 | 03/22/21 05:31 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 12:24 | 03/22/21 12:24 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638183 | 1 | 03/21/21 21:46 | 03/23/21 05:29 | AO | Mt. Juliet, TN |

R15-MW-1 L1328822-04 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 14:45
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:21 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:29 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 05:52 | 03/22/21 05:52 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 12:44 | 03/22/21 12:44 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638183 | 1 | 03/21/21 21:46 | 03/23/21 05:50 | AO | Mt. Juliet, TN |

R15-MW-2 L1328822-05 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 13:08
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:22 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:32 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 06:12 | 03/22/21 06:12 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 13:04 | 03/22/21 13:04 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638183 | 1 | 03/21/21 21:46 | 03/23/21 06:12 | AO | Mt. Juliet, TN |

SAMPLE SUMMARY

CM-DUP-GW-9 L1328822-06 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 00:00
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:28 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:40 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 06:33 | 03/22/21 06:33 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 13:25 | 03/22/21 13:25 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638183 | 1 | 03/21/21 21:46 | 03/23/21 06:33 | AO | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

CM-EB-GW-4 L1328822-07 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 09:21
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:30 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:43 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 06:54 | 03/22/21 06:54 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 16:27 | 03/22/21 16:27 | DWR | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638328 | 1 | 03/22/21 05:51 | 03/23/21 10:25 | SHG | Mt. Juliet, TN |

CM-FB-GW-4 L1328822-08 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 09:29
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Mercury by Method 7470A | WG1638345 | 1 | 03/22/21 10:54 | 03/22/21 16:32 | BMF | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG1638726 | 1 | 03/24/21 02:28 | 03/24/21 15:46 | EL | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 07:15 | 03/22/21 07:15 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 16:47 | 03/22/21 16:47 | DWR | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG1638328 | 1 | 03/22/21 05:51 | 03/23/21 10:48 | SHG | Mt. Juliet, TN |

R1-MW-3 L1328822-09 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 11:50
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 07:36 | 03/22/21 07:36 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 17:08 | 03/22/21 17:08 | DWR | Mt. Juliet, TN |

R16-MW-1A L1328822-10 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 14:26
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 07:57 | 03/22/21 07:57 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 13:45 | 03/22/21 13:45 | JAH | Mt. Juliet, TN |

R18-MW-2 L1328822-11 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 13:21
 Received date/time: 03/19/21 09:00

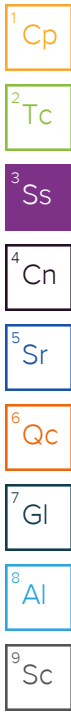
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 08:17 | 03/22/21 08:17 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 50 | 03/22/21 15:26 | 03/22/21 15:26 | JAH | Mt. Juliet, TN |

SAMPLE SUMMARY

R19-MW-2A L1328822-12 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 12:46
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 08:38 | 03/22/21 08:38 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 2 | 03/22/21 15:06 | 03/22/21 15:06 | JAH | Mt. Juliet, TN |



R19-MW-3 L1328822-13 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 11:16
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 08:59 | 03/22/21 08:59 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 14:05 | 03/22/21 14:05 | JAH | Mt. Juliet, TN |

R23-MW-1 L1328822-14 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 10:06
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 09:20 | 03/22/21 09:20 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 14:25 | 03/22/21 14:25 | JAH | Mt. Juliet, TN |

R18-MW-1 L1328822-15 GW

Collected by: Scott Dacus
 Collected date/time: 03/15/21 13:56
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 09:40 | 03/22/21 09:40 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 14:46 | 03/22/21 14:46 | JAH | Mt. Juliet, TN |

R19-MW-1 L1328822-16 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 13:55
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 10:01 | 03/22/21 10:01 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 17:28 | 03/22/21 17:28 | DWR | Mt. Juliet, TN |

R31-MW-1 L1328822-17 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 11:32
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 10:22 | 03/22/21 10:22 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 17:48 | 03/22/21 17:48 | DWR | Mt. Juliet, TN |

R39-MW-1 L1328822-18 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 12:58
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638316 | 1 | 03/22/21 10:43 | 03/22/21 10:43 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638484 | 1 | 03/22/21 18:08 | 03/22/21 18:08 | DWR | Mt. Juliet, TN |

SAMPLE SUMMARY

R32-MW-5 L1328822-19 GW

Collected by Scott Dacus Collected date/time 03/15/21 16:51 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638535 | 1 | 03/22/21 14:47 | 03/22/21 14:47 | JHH | Mt. Juliet, TN |

1 Cp

2 Tc

R28-MW-1 L1328822-20 GW

Collected by Scott Dacus Collected date/time 03/17/21 10:45 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 22:02 | 03/22/21 22:02 | JAH | Mt. Juliet, TN |

3 Ss

4 Cn

5 Sr

R26-MW-1 L1328822-21 GW

Collected by Scott Dacus Collected date/time 03/17/21 10:38 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 22:22 | 03/22/21 22:22 | JAH | Mt. Juliet, TN |

6 Qc

7 Gl

8 Al

GW-9 L1328822-22 GW

Collected by Scott Dacus Collected date/time 03/17/21 09:25 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 22:42 | 03/22/21 22:42 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638913 | 10 | 03/23/21 11:45 | 03/23/21 11:45 | ADM | Mt. Juliet, TN |

9 Sc

R1-MW-2 L1328822-23 GW

Collected by Scott Dacus Collected date/time 03/16/21 13:20 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 23:02 | 03/22/21 23:02 | JAH | Mt. Juliet, TN |

DF-MW-1 L1328822-24 GW

Collected by Scott Dacus Collected date/time 03/17/21 09:21 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 23:23 | 03/22/21 23:23 | JAH | Mt. Juliet, TN |

DF-MW-2 L1328822-25 GW

Collected by Scott Dacus Collected date/time 03/17/21 10:47 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 23:43 | 03/22/21 23:43 | JAH | Mt. Juliet, TN |

DF-MW-3 L1328822-26 GW

Collected by Scott Dacus Collected date/time 03/15/21 16:07 Received date/time 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638535 | 1 | 03/22/21 15:07 | 03/22/21 15:07 | JHH | Mt. Juliet, TN |

SAMPLE SUMMARY

DF-MW-4 L1328822-27 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 16:10
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/23/21 00:03 | 03/23/21 00:03 | JAH | Mt. Juliet, TN |

CM-DUP-GW-10 L1328822-28 GW

Collected by: Scott Dacus
 Collected date/time: 03/16/21 00:00
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/23/21 00:23 | 03/23/21 00:23 | JAH | Mt. Juliet, TN |

CM-FB-GW-5 L1328822-29 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 11:37
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 20:21 | 03/22/21 20:21 | JAH | Mt. Juliet, TN |

TRIP BLANK L1328822-30 GW

Collected by: Scott Dacus
 Collected date/time: 03/17/21 00:00
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 20:41 | 03/22/21 20:41 | JAH | Mt. Juliet, TN |

TRIP BLANK L1328822-31 GW

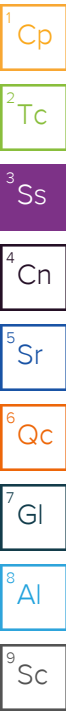
Collected by: Scott Dacus
 Collected date/time: 03/17/21 00:00
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638498 | 1 | 03/22/21 21:01 | 03/22/21 21:01 | JAH | Mt. Juliet, TN |

R19-MW-4 L1328822-32 GW

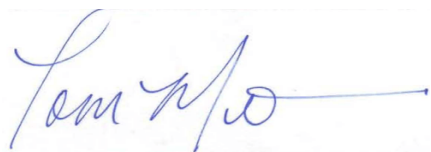
Collected by: Scott Dacus
 Collected date/time: 03/15/21 12:11
 Received date/time: 03/19/21 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1638535 | 1 | 03/22/21 15:27 | 03/22/21 15:27 | JHH | 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.



Tom Mellette
Project Manager

Report Revision History

Level II Report - Version 1: 03/26/21 19:16

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:15 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:13 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Barium | 22.2 | | 5.00 | 1 | 03/24/2021 15:13 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:13 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:13 | WG1638726 |
| Calcium | 1120 | | 1000 | 1 | 03/24/2021 15:13 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Cobalt | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Iron | 164 | | 100 | 1 | 03/24/2021 15:13 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:13 | WG1638726 |
| Magnesium | ND | | 1000 | 1 | 03/24/2021 15:13 | WG1638726 |
| Manganese | 635 | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:13 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:13 | WG1638726 |
| Sodium | 159000 | V | 3000 | 1 | 03/24/2021 15:13 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:13 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:13 | WG1638726 |



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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 04:49 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 04:49 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 04:49 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 04:49 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 04:49 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 04:49 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 15:46 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 04:49 | WG1638316 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/22/2021 04:49 | WG1638316 |
| (S) Toluene-d8 | 87.6 | | 80.0-120 | | 03/22/2021 15:46 | WG1638484 |
| (S) 4-Bromofluorobenzene | 95.7 | | 77.0-126 | | 03/22/2021 04:49 | WG1638316 |
| (S) 4-Bromofluorobenzene | 96.9 | | 77.0-126 | | 03/22/2021 15:46 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 03/22/2021 04:49 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 03/22/2021 15:46 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | J4 | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Atrazine | ND | J4 | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Biphenyl | ND | J4 | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| 4-Chlorophenyl-phenylether | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Hexachloro-1,3-butadiene | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Hexachlorocyclopentadiene | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Hexachloroethane | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Isophorone | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2-Methylnaphthalene | ND | <u>J4</u> | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Naphthalene | ND | <u>J4</u> | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Nitrobenzene | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 09:37 | WG1638328 |
| 1,2,4,5-Tetrachlorobenzene | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 4-Chloro-3-methylphenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2-Chlorophenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2-Methylphenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 3&4-Methyl Phenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,4-Dichlorophenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,4-Dimethylphenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2-Nitrophenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 4-Nitrophenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| Phenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,4,5-Trichlorophenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| 2,4,6-Trichlorophenol | ND | <u>J4</u> | 10.0 | 1 | 03/23/2021 09:37 | WG1638328 |
| (S) Nitrobenzene-d5 | 48.5 | | 10.0-127 | | 03/23/2021 09:37 | WG1638328 |
| (S) 2-Fluorobiphenyl | 55.8 | | 10.0-130 | | 03/23/2021 09:37 | WG1638328 |
| (S) p-Terphenyl-d14 | 62.9 | | 10.0-128 | | 03/23/2021 09:37 | WG1638328 |
| (S) Phenol-d5 | 12.4 | | 10.0-120 | | 03/23/2021 09:37 | WG1638328 |
| (S) 2-Fluorophenol | 21.8 | | 10.0-120 | | 03/23/2021 09:37 | WG1638328 |
| (S) 2,4,6-Tribromophenol | 47.6 | | 10.0-155 | | 03/23/2021 09:37 | WG1638328 |

1 Cp

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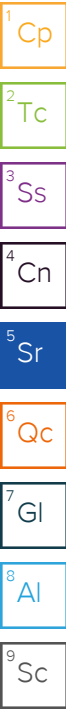
9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:17 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:23 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Barium | 62.2 | | 5.00 | 1 | 03/24/2021 15:23 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:23 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:23 | WG1638726 |
| Calcium | 4300 | | 1000 | 1 | 03/24/2021 15:23 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Cobalt | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Iron | 162 | | 100 | 1 | 03/24/2021 15:23 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:23 | WG1638726 |
| Magnesium | ND | | 1000 | 1 | 03/24/2021 15:23 | WG1638726 |
| Manganese | 272 | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:23 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:23 | WG1638726 |
| Sodium | 25700 | | 3000 | 1 | 03/24/2021 15:23 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:23 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:23 | WG1638726 |



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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 05:10 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Carbon disulfide | 1.09 | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Chloroform | 38.9 | C5 | 5.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 05:10 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,1-Dichloroethane | 11.7 | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 05:10 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 05:10 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 05:10 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 05:10 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 16:07 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 05:10 | WG1638316 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 03/22/2021 05:10 | WG1638316 |
| (S) Toluene-d8 | 89.6 | | 80.0-120 | | 03/22/2021 16:07 | WG1638484 |
| (S) 4-Bromofluorobenzene | 92.6 | | 77.0-126 | | 03/22/2021 05:10 | WG1638316 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 03/22/2021 16:07 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 114 | | 70.0-130 | | 03/22/2021 05:10 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 03/22/2021 16:07 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | J4 | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Atrazine | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Biphenyl | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| 4-Chlorophenyl-phenylether | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Hexachloro-1,3-butadiene | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Nitrobenzene | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 10:01 | WG1638328 |
| 1,2,4,5-Tetrachlorobenzene | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2-Chlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,4-Dichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,4-Dimethylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,4,5-Trichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| 2,4,6-Trichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:01 | WG1638328 |
| (S) Nitrobenzene-d5 | 60.1 | | 10.0-127 | | 03/23/2021 10:01 | WG1638328 |
| (S) 2-Fluorobiphenyl | 66.3 | | 10.0-130 | | 03/23/2021 10:01 | WG1638328 |
| (S) p-Terphenyl-d14 | 68.1 | | 10.0-128 | | 03/23/2021 10:01 | WG1638328 |
| (S) Phenol-d5 | 16.6 | | 10.0-120 | | 03/23/2021 10:01 | WG1638328 |
| (S) 2-Fluorophenol | 27.3 | | 10.0-120 | | 03/23/2021 10:01 | WG1638328 |
| (S) 2,4,6-Tribromophenol | 59.5 | | 10.0-155 | | 03/23/2021 10:01 | WG1638328 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:19 | WG1638345 |

1 Cp

2 Tc

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:26 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Barium | 79.4 | | 5.00 | 1 | 03/24/2021 15:26 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:26 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:26 | WG1638726 |
| Calcium | 3200 | | 1000 | 1 | 03/24/2021 15:26 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Cobalt | 28.2 | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Iron | ND | | 100 | 1 | 03/24/2021 15:26 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:26 | WG1638726 |
| Magnesium | 1330 | | 1000 | 1 | 03/24/2021 15:26 | WG1638726 |
| Manganese | 714 | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:26 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:26 | WG1638726 |
| Sodium | 39900 | | 3000 | 1 | 03/24/2021 15:26 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:26 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:26 | WG1638726 |

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 05:31 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Chloroform | 10.9 | C5 | 5.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 05:31 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 05:31 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 05:31 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 05:31 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 05:31 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 12:24 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 05:31 | WG1638316 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/22/2021 05:31 | WG1638316 |
| (S) Toluene-d8 | 90.3 | | 80.0-120 | | 03/22/2021 12:24 | WG1638484 |
| (S) 4-Bromofluorobenzene | 94.3 | | 77.0-126 | | 03/22/2021 05:31 | WG1638316 |
| (S) 4-Bromofluorobenzene | 96.2 | | 77.0-126 | | 03/22/2021 12:24 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 116 | | 70.0-130 | | 03/22/2021 05:31 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 113 | | 70.0-130 | | 03/22/2021 12:24 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Atrazine | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Biphenyl | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| 4-Chlorophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Hexachloro-1,3-butadiene | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Nitrobenzene | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 05:29 | WG1638183 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2-Chlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,4-Dichlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,4-Dimethylphenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2-Nitrophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,4,5-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| 2,4,6-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:29 | WG1638183 |
| (S) Nitrobenzene-d5 | 59.9 | | 10.0-127 | | 03/23/2021 05:29 | WG1638183 |
| (S) 2-Fluorobiphenyl | 61.6 | | 10.0-130 | | 03/23/2021 05:29 | WG1638183 |
| (S) p-Terphenyl-d14 | 64.1 | | 10.0-128 | | 03/23/2021 05:29 | WG1638183 |
| (S) Phenol-d5 | 21.5 | | 10.0-120 | | 03/23/2021 05:29 | WG1638183 |
| (S) 2-Fluorophenol | 35.1 | | 10.0-120 | | 03/23/2021 05:29 | WG1638183 |
| (S) 2,4,6-Tribromophenol | 64.5 | | 10.0-155 | | 03/23/2021 05:29 | WG1638183 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

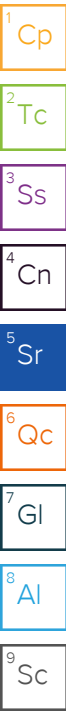
9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:21 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:29 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Barium | 24.2 | | 5.00 | 1 | 03/24/2021 15:29 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:29 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:29 | WG1638726 |
| Calcium | ND | | 1000 | 1 | 03/24/2021 15:29 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Cobalt | 15.6 | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Iron | 305 | | 100 | 1 | 03/24/2021 15:29 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:29 | WG1638726 |
| Magnesium | ND | | 1000 | 1 | 03/24/2021 15:29 | WG1638726 |
| Manganese | 394 | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:29 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:29 | WG1638726 |
| Sodium | 93100 | | 3000 | 1 | 03/24/2021 15:29 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:29 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:29 | WG1638726 |



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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 05:52 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Bromomethane | ND | <u>J4</u> | 5.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 05:52 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 05:52 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 05:52 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 05:52 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 05:52 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 12:44 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 05:52 | WG1638316 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 05:52 | WG1638316 |
| (S) Toluene-d8 | 88.8 | | 80.0-120 | | 03/22/2021 12:44 | WG1638484 |
| (S) 4-Bromofluorobenzene | 92.4 | | 77.0-126 | | 03/22/2021 05:52 | WG1638316 |
| (S) 4-Bromofluorobenzene | 96.5 | | 77.0-126 | | 03/22/2021 12:44 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 116 | | 70.0-130 | | 03/22/2021 05:52 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 113 | | 70.0-130 | | 03/22/2021 12:44 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Atrazine | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Biphenyl | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| 4-Chlorophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Hexachloro-1,3-butadiene | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Nitrobenzene | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 05:50 | WG1638183 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2-Chlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,4-Dichlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,4-Dimethylphenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2-Nitrophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,4,5-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| 2,4,6-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 05:50 | WG1638183 |
| (S) Nitrobenzene-d5 | 59.8 | | 10.0-127 | | 03/23/2021 05:50 | WG1638183 |
| (S) 2-Fluorobiphenyl | 58.2 | | 10.0-130 | | 03/23/2021 05:50 | WG1638183 |
| (S) p-Terphenyl-d14 | 58.9 | | 10.0-128 | | 03/23/2021 05:50 | WG1638183 |
| (S) Phenol-d5 | 36.0 | | 10.0-120 | | 03/23/2021 05:50 | WG1638183 |
| (S) 2-Fluorophenol | 48.5 | | 10.0-120 | | 03/23/2021 05:50 | WG1638183 |
| (S) 2,4,6-Tribromophenol | 63.4 | | 10.0-155 | | 03/23/2021 05:50 | WG1638183 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:22 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:32 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Barium | 21.0 | | 5.00 | 1 | 03/24/2021 15:32 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:32 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:32 | WG1638726 |
| Calcium | ND | | 1000 | 1 | 03/24/2021 15:32 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Cobalt | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Iron | 215 | | 100 | 1 | 03/24/2021 15:32 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:32 | WG1638726 |
| Magnesium | ND | | 1000 | 1 | 03/24/2021 15:32 | WG1638726 |
| Manganese | 76.0 | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:32 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:32 | WG1638726 |
| Sodium | 103000 | | 3000 | 1 | 03/24/2021 15:32 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:32 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:32 | WG1638726 |

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 06:12 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 06:12 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |



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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 06:12 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 06:12 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 06:12 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 06:12 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 13:04 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 06:12 | WG1638316 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 03/22/2021 06:12 | WG1638316 |
| (S) Toluene-d8 | 90.6 | | 80.0-120 | | 03/22/2021 13:04 | WG1638484 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 03/22/2021 06:12 | WG1638316 |
| (S) 4-Bromofluorobenzene | 99.4 | | 77.0-126 | | 03/22/2021 13:04 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 117 | | 70.0-130 | | 03/22/2021 06:12 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 116 | | 70.0-130 | | 03/22/2021 13:04 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Atrazine | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Biphenyl | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| 4-Chlorophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Hexachloro-1,3-butadiene | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Nitrobenzene | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 06:12 | WG1638183 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2-Chlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,4-Dichlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,4-Dimethylphenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2-Nitrophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,4,5-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| 2,4,6-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:12 | WG1638183 |
| (S) Nitrobenzene-d5 | 62.8 | | 10.0-127 | | 03/23/2021 06:12 | WG1638183 |
| (S) 2-Fluorobiphenyl | 65.3 | | 10.0-130 | | 03/23/2021 06:12 | WG1638183 |
| (S) p-Terphenyl-d14 | 66.4 | | 10.0-128 | | 03/23/2021 06:12 | WG1638183 |
| (S) Phenol-d5 | 25.8 | | 10.0-120 | | 03/23/2021 06:12 | WG1638183 |
| (S) 2-Fluorophenol | 39.6 | | 10.0-120 | | 03/23/2021 06:12 | WG1638183 |
| (S) 2,4,6-Tribromophenol | 71.5 | | 10.0-155 | | 03/23/2021 06:12 | WG1638183 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:28 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | 241 | | 200 | 1 | 03/24/2021 15:40 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Barium | 77.2 | | 5.00 | 1 | 03/24/2021 15:40 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:40 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:40 | WG1638726 |
| Calcium | 2970 | | 1000 | 1 | 03/24/2021 15:40 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Cobalt | 29.9 | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Iron | ND | | 100 | 1 | 03/24/2021 15:40 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:40 | WG1638726 |
| Magnesium | 1360 | | 1000 | 1 | 03/24/2021 15:40 | WG1638726 |
| Manganese | 713 | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:40 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:40 | WG1638726 |
| Sodium | 41000 | | 3000 | 1 | 03/24/2021 15:40 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:40 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:40 | WG1638726 |



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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 06:33 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Chloroform | 10.7 | C5 | 5.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 06:33 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 06:33 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 06:33 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 06:33 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 06:33 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 13:25 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 06:33 | WG1638316 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 06:33 | WG1638316 |
| (S) Toluene-d8 | 89.0 | | 80.0-120 | | 03/22/2021 13:25 | WG1638484 |
| (S) 4-Bromofluorobenzene | 91.4 | | 77.0-126 | | 03/22/2021 06:33 | WG1638316 |
| (S) 4-Bromofluorobenzene | 97.2 | | 77.0-126 | | 03/22/2021 13:25 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 03/22/2021 06:33 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 117 | | 70.0-130 | | 03/22/2021 13:25 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Atrazine | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Biphenyl | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|----------|----------|----------------------|-----------|
| 4-Chlorophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Hexachloro-1,3-butadiene | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Nitrobenzene | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 06:33 | WG1638183 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2-Chlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,4-Dichlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,4-Dimethylphenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2-Nitrophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,4,5-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| 2,4,6-Trichlorophenol | ND | | 10.0 | 1 | 03/23/2021 06:33 | WG1638183 |
| (S) Nitrobenzene-d5 | 64.5 | | 10.0-127 | | 03/23/2021 06:33 | WG1638183 |
| (S) 2-Fluorobiphenyl | 67.0 | | 10.0-130 | | 03/23/2021 06:33 | WG1638183 |
| (S) p-Terphenyl-d14 | 65.8 | | 10.0-128 | | 03/23/2021 06:33 | WG1638183 |
| (S) Phenol-d5 | 25.8 | | 10.0-120 | | 03/23/2021 06:33 | WG1638183 |
| (S) 2-Fluorophenol | 39.8 | | 10.0-120 | | 03/23/2021 06:33 | WG1638183 |
| (S) 2,4,6-Tribromophenol | 66.5 | | 10.0-155 | | 03/23/2021 06:33 | WG1638183 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:30 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:43 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Barium | ND | | 5.00 | 1 | 03/24/2021 15:43 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:43 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:43 | WG1638726 |
| Calcium | ND | | 1000 | 1 | 03/24/2021 15:43 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Cobalt | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Iron | ND | | 100 | 1 | 03/24/2021 15:43 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:43 | WG1638726 |
| Magnesium | ND | | 1000 | 1 | 03/24/2021 15:43 | WG1638726 |
| Manganese | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:43 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:43 | WG1638726 |
| Sodium | ND | | 3000 | 1 | 03/24/2021 15:43 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:43 | WG1638726 |
| Zinc | ND | | 50.0 | 1 | 03/24/2021 15:43 | WG1638726 |

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

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 06:54 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 06:54 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 06:54 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 06:54 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 06:54 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 06:54 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 16:27 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 06:54 | WG1638316 |
| (S) Toluene-d8 | 106 | | 80.0-120 | | 03/22/2021 06:54 | WG1638316 |
| (S) Toluene-d8 | 89.3 | | 80.0-120 | | 03/22/2021 16:27 | WG1638484 |
| (S) 4-Bromofluorobenzene | 95.9 | | 77.0-126 | | 03/22/2021 06:54 | WG1638316 |
| (S) 4-Bromofluorobenzene | 94.8 | | 77.0-126 | | 03/22/2021 16:27 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 123 | | 70.0-130 | | 03/22/2021 06:54 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 123 | | 70.0-130 | | 03/22/2021 16:27 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | J4 | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Atrazine | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Biphenyl | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|----------------------------|--------|-----------|----------|----------|----------------------|-----------|
| 4-Chlorophenyl-phenylether | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Hexachloro-1,3-butadiene | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Nitrobenzene | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 10:25 | WG1638328 |
| 1,2,4,5-Tetrachlorobenzene | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2-Chlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,4-Dichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,4-Dimethylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,4,5-Trichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| 2,4,6-Trichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:25 | WG1638328 |
| (S) Nitrobenzene-d5 | 60.8 | | 10.0-127 | | 03/23/2021 10:25 | WG1638328 |
| (S) 2-Fluorobiphenyl | 66.5 | | 10.0-130 | | 03/23/2021 10:25 | WG1638328 |
| (S) p-Terphenyl-d14 | 66.5 | | 10.0-128 | | 03/23/2021 10:25 | WG1638328 |
| (S) Phenol-d5 | 14.6 | | 10.0-120 | | 03/23/2021 10:25 | WG1638328 |
| (S) 2-Fluorophenol | 25.2 | | 10.0-120 | | 03/23/2021 10:25 | WG1638328 |
| (S) 2,4,6-Tribromophenol | 52.5 | | 10.0-155 | | 03/23/2021 10:25 | WG1638328 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---------|--------|-----------|-------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Mercury | ND | | 0.200 | 1 | 03/22/2021 16:32 | WG1638345 |

Metals (ICP) by Method 6010D

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Aluminum | ND | | 200 | 1 | 03/24/2021 15:46 | WG1638726 |
| Antimony | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Arsenic | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Barium | ND | | 5.00 | 1 | 03/24/2021 15:46 | WG1638726 |
| Beryllium | ND | | 2.00 | 1 | 03/24/2021 15:46 | WG1638726 |
| Cadmium | ND | | 2.00 | 1 | 03/24/2021 15:46 | WG1638726 |
| Calcium | ND | | 1000 | 1 | 03/24/2021 15:46 | WG1638726 |
| Chromium | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Cobalt | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Copper | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Iron | ND | | 100 | 1 | 03/24/2021 15:46 | WG1638726 |
| Lead | ND | | 6.00 | 1 | 03/24/2021 15:46 | WG1638726 |
| Magnesium | ND | | 1000 | 1 | 03/24/2021 15:46 | WG1638726 |
| Manganese | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Nickel | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Potassium | ND | | 2000 | 1 | 03/24/2021 15:46 | WG1638726 |
| Selenium | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Silver | ND | | 5.00 | 1 | 03/24/2021 15:46 | WG1638726 |
| Sodium | ND | | 3000 | 1 | 03/24/2021 15:46 | WG1638726 |
| Thallium | ND | | 10.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Vanadium | ND | | 20.0 | 1 | 03/24/2021 15:46 | WG1638726 |
| Zinc | 50.0 | | 50.0 | 1 | 03/24/2021 15:46 | WG1638726 |

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

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|-----------------------------|--------|-----------|------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 07:15 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 07:15 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 07:15 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 07:15 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 07:15 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 07:15 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 16:47 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 07:15 | WG1638316 |
| (S) Toluene-d8 | 101 | | 80.0-120 | | 03/22/2021 07:15 | WG1638316 |
| (S) Toluene-d8 | 89.9 | | 80.0-120 | | 03/22/2021 16:47 | WG1638484 |
| (S) 4-Bromofluorobenzene | 90.9 | | 77.0-126 | | 03/22/2021 07:15 | WG1638316 |
| (S) 4-Bromofluorobenzene | 97.0 | | 77.0-126 | | 03/22/2021 16:47 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 03/22/2021 07:15 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 126 | | 70.0-130 | | 03/22/2021 16:47 | WG1638484 |

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 8270E

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|-----------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acenaphthene | ND | J4 | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Acenaphthylene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Acetophenone | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Anthracene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Atrazine | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzaldehyde | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzo(a)anthracene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzo(b)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzo(k)fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzo(g,h,i)perylene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzo(a)pyrene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Biphenyl | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Bis(2-chloroethoxy)methane | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Bis(2-chloroethyl)ether | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 4-Bromophenyl-phenylether | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Caprolactam | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Carbazole | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 4-Chloroaniline | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2-Chloronaphthalene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|----------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| 4-Chlorophenyl-phenylether | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Chrysene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Dibenz(a,h)anthracene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Dibenzofuran | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 3,3-Dichlorobenzidine | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,4-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,6-Dinitrotoluene | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Fluoranthene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Fluorene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Hexachlorobenzene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Hexachloro-1,3-butadiene | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Hexachlorocyclopentadiene | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Hexachloroethane | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Indeno(1,2,3-cd)pyrene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Isophorone | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2-Methylnaphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Naphthalene | ND | J4 | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 3-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 4-Nitroaniline | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Nitrobenzene | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| n-Nitrosodiphenylamine | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| n-Nitrosodi-n-propylamine | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Phenanthrene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Benzylbutyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Bis(2-ethylhexyl)phthalate | ND | | 3.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Di-n-butyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Diethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Dimethyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Di-n-octyl phthalate | ND | | 3.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| Pyrene | ND | | 1.00 | 1 | 03/23/2021 10:48 | WG1638328 |
| 1,2,4,5-Tetrachlorobenzene | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 4-Chloro-3-methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2-Chlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2-Methylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 3&4-Methyl Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,4-Dichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,4-Dimethylphenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 4,6-Dinitro-2-methylphenol | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,4-Dinitrophenol | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 4-Nitrophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Pentachlorophenol | ND | | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| Phenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,4,5-Trichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| 2,4,6-Trichlorophenol | ND | J4 | 10.0 | 1 | 03/23/2021 10:48 | WG1638328 |
| (S) Nitrobenzene-d5 | 62.5 | | 10.0-127 | | 03/23/2021 10:48 | WG1638328 |
| (S) 2-Fluorobiphenyl | 68.7 | | 10.0-130 | | 03/23/2021 10:48 | WG1638328 |
| (S) p-Terphenyl-d14 | 72.7 | | 10.0-128 | | 03/23/2021 10:48 | WG1638328 |
| (S) Phenol-d5 | 15.2 | | 10.0-120 | | 03/23/2021 10:48 | WG1638328 |
| (S) 2-Fluorophenol | 25.5 | | 10.0-120 | | 03/23/2021 10:48 | WG1638328 |
| (S) 2,4,6-Tribromophenol | 56.0 | | 10.0-155 | | 03/23/2021 10:48 | WG1638328 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 07:36 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Chloroform | 69.8 | C5 | 5.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 07:36 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 07:36 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 07:36 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 07:36 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 07:36 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 17:08 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 07:36 | WG1638316 |
| (S) Toluene-d8 | 106 | | 80.0-120 | | 03/22/2021 07:36 | WG1638316 |
| (S) Toluene-d8 | 88.3 | | 80.0-120 | | 03/22/2021 17:08 | WG1638484 |
| (S) 4-Bromofluorobenzene | 94.5 | | 77.0-126 | | 03/22/2021 07:36 | WG1638316 |
| (S) 4-Bromofluorobenzene | 97.9 | | 77.0-126 | | 03/22/2021 17:08 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 118 | | 70.0-130 | | 03/22/2021 07:36 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 126 | | 70.0-130 | | 03/22/2021 17:08 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 07:57 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 07:57 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,1-Dichloroethane | 19.8 | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,1-Dichloroethene | 28.7 | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 07:57 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 07:57 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 07:57 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 07:57 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 13:45 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 07:57 | WG1638316 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 07:57 | WG1638316 |
| (S) Toluene-d8 | 89.8 | | 80.0-120 | | 03/22/2021 13:45 | WG1638484 |
| (S) 4-Bromofluorobenzene | 92.1 | | 77.0-126 | | 03/22/2021 07:57 | WG1638316 |
| (S) 4-Bromofluorobenzene | 97.0 | | 77.0-126 | | 03/22/2021 13:45 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 120 | | 70.0-130 | | 03/22/2021 07:57 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 113 | | 70.0-130 | | 03/22/2021 13:45 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 08:17 | WG1638316 |
| Benzene | 19.6 | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Bromomethane | ND | <u>J4</u> | 5.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Chlorobenzene | 825 | | 50.0 | 50 | 03/22/2021 15:26 | WG1638484 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 08:17 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2-Dichlorobenzene | 1190 | | 50.0 | 50 | 03/22/2021 15:26 | WG1638484 |
| 1,3-Dichlorobenzene | 75.8 | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,4-Dichlorobenzene | 178 | | 50.0 | 50 | 03/22/2021 15:26 | WG1638484 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 08:17 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 08:17 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 08:17 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 08:17 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Trichlorofluoromethane | ND | | 250 | 50 | 03/22/2021 15:26 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 08:17 | WG1638316 |
| (S) Toluene-d8 | 93.2 | | 80.0-120 | | 03/22/2021 08:17 | WG1638316 |
| (S) Toluene-d8 | 88.3 | | 80.0-120 | | 03/22/2021 15:26 | WG1638484 |
| (S) 4-Bromofluorobenzene | 91.6 | | 77.0-126 | | 03/22/2021 08:17 | WG1638316 |
| (S) 4-Bromofluorobenzene | 95.6 | | 77.0-126 | | 03/22/2021 15:26 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 116 | | 70.0-130 | | 03/22/2021 08:17 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 120 | | 70.0-130 | | 03/22/2021 15:26 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 08:38 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Chlorobenzene | ND | | 2.00 | 2 | 03/22/2021 15:06 | WG1638484 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 08:38 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 2.00 | 2 | 03/22/2021 15:06 | WG1638484 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 2.00 | 2 | 03/22/2021 15:06 | WG1638484 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,1-Dichloroethane | 102 | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,1-Dichloroethene | 101 | | 2.00 | 2 | 03/22/2021 15:06 | WG1638484 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 08:38 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 08:38 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 08:38 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 08:38 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Trichlorofluoromethane | ND | | 10.0 | 2 | 03/22/2021 15:06 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 08:38 | WG1638316 |
| (S) Toluene-d8 | 106 | | 80.0-120 | | 03/22/2021 08:38 | WG1638316 |
| (S) Toluene-d8 | 88.4 | | 80.0-120 | | 03/22/2021 15:06 | WG1638484 |
| (S) 4-Bromofluorobenzene | 90.3 | | 77.0-126 | | 03/22/2021 08:38 | WG1638316 |
| (S) 4-Bromofluorobenzene | 94.8 | | 77.0-126 | | 03/22/2021 15:06 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 03/22/2021 08:38 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 03/22/2021 15:06 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 08:59 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Bromomethane | ND | <u>J4</u> | 5.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:05 | WG1638484 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 08:59 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:05 | WG1638484 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,1-Dichloroethane | 3.47 | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,1-Dichloroethene | 2.16 | | 1.00 | 1 | 03/22/2021 14:05 | WG1638484 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 08:59 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 08:59 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 08:59 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 08:59 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Trichloroethene | 2.52 | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 14:05 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 08:59 | WG1638316 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 03/22/2021 08:59 | WG1638316 |
| (S) Toluene-d8 | 90.1 | | 80.0-120 | | 03/22/2021 14:05 | WG1638484 |
| (S) 4-Bromofluorobenzene | 95.4 | | 77.0-126 | | 03/22/2021 08:59 | WG1638316 |
| (S) 4-Bromofluorobenzene | 94.6 | | 77.0-126 | | 03/22/2021 14:05 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 121 | | 70.0-130 | | 03/22/2021 08:59 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 116 | | 70.0-130 | | 03/22/2021 14:05 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 09:20 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 09:20 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 09:20 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 09:20 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 09:20 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 09:20 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 14:25 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 09:20 | WG1638316 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 03/22/2021 09:20 | WG1638316 |
| (S) Toluene-d8 | 88.9 | | 80.0-120 | | 03/22/2021 14:25 | WG1638484 |
| (S) 4-Bromofluorobenzene | 90.9 | | 77.0-126 | | 03/22/2021 09:20 | WG1638316 |
| (S) 4-Bromofluorobenzene | 97.8 | | 77.0-126 | | 03/22/2021 14:25 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 117 | | 70.0-130 | | 03/22/2021 09:20 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 03/22/2021 14:25 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 09:40 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Bromomethane | ND | <u>J4</u> | 5.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 09:40 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 09:40 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 09:40 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 09:40 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 09:40 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 14:46 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 09:40 | WG1638316 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 09:40 | WG1638316 |
| (S) Toluene-d8 | 88.1 | | 80.0-120 | | 03/22/2021 14:46 | WG1638484 |
| (S) 4-Bromofluorobenzene | 91.9 | | 77.0-126 | | 03/22/2021 09:40 | WG1638316 |
| (S) 4-Bromofluorobenzene | 95.9 | | 77.0-126 | | 03/22/2021 14:46 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 123 | | 70.0-130 | | 03/22/2021 09:40 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 03/22/2021 14:46 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 10:01 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Bromomethane | ND | <u>J4</u> | 5.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 10:01 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 10:01 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 10:01 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 10:01 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 10:01 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 17:28 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 10:01 | WG1638316 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 03/22/2021 10:01 | WG1638316 |
| (S) Toluene-d8 | 87.8 | | 80.0-120 | | 03/22/2021 17:28 | WG1638484 |
| (S) 4-Bromofluorobenzene | 94.1 | | 77.0-126 | | 03/22/2021 10:01 | WG1638316 |
| (S) 4-Bromofluorobenzene | 96.8 | | 77.0-126 | | 03/22/2021 17:28 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 122 | | 70.0-130 | | 03/22/2021 10:01 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 128 | | 70.0-130 | | 03/22/2021 17:28 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result ug/l | Qualifier | RDL ug/l | Dilution | Analysis date / time | Batch |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 10:22 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Bromomethane | ND | <u>J4</u> | 5.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 10:22 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,1-Dichloroethane | 18.1 | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,1-Dichloroethene | 2.39 | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| cis-1,2-Dichloroethene | 3.93 | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 10:22 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 10:22 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 10:22 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 10:22 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Trichloroethene | 2.15 | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 17:48 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 10:22 | WG1638316 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 10:22 | WG1638316 |
| (S) Toluene-d8 | 88.1 | | 80.0-120 | | 03/22/2021 17:48 | WG1638484 |
| (S) 4-Bromofluorobenzene | 99.9 | | 77.0-126 | | 03/22/2021 10:22 | WG1638316 |
| (S) 4-Bromofluorobenzene | 97.8 | | 77.0-126 | | 03/22/2021 17:48 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 03/22/2021 10:22 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 126 | | 70.0-130 | | 03/22/2021 17:48 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 10:43 | WG1638316 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Bromomethane | ND | J4 | 5.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 10:43 | WG1638316 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| cis-1,2-Dichloroethene | 1.53 | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 10:43 | WG1638316 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 10:43 | WG1638316 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 10:43 | WG1638316 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 10:43 | WG1638316 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 18:08 | WG1638484 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 10:43 | WG1638316 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/22/2021 10:43 | WG1638316 |
| (S) Toluene-d8 | 87.8 | | 80.0-120 | | 03/22/2021 18:08 | WG1638484 |
| (S) 4-Bromofluorobenzene | 94.7 | | 77.0-126 | | 03/22/2021 10:43 | WG1638316 |
| (S) 4-Bromofluorobenzene | 96.8 | | 77.0-126 | | 03/22/2021 18:08 | WG1638484 |
| (S) 1,2-Dichloroethane-d4 | 119 | | 70.0-130 | | 03/22/2021 10:43 | WG1638316 |
| (S) 1,2-Dichloroethane-d4 | 126 | | 70.0-130 | | 03/22/2021 18:08 | WG1638484 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 14:47 | WG1638535 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 14:47 | WG1638535 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 14:47 | WG1638535 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 14:47 | WG1638535 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 14:47 | WG1638535 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 14:47 | WG1638535 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2,3-Trichlorobenzene | ND | J3 | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 14:47 | WG1638535 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 14:47 | WG1638535 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 03/22/2021 14:47 | WG1638535 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 03/22/2021 14:47 | WG1638535 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 22:02 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 22:02 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 22:02 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 22:02 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 22:02 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 22:02 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 22:02 | WG1638498 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 22:02 | WG1638498 |
| (S) 4-Bromofluorobenzene | 106 | | 77.0-126 | | 03/22/2021 22:02 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 03/22/2021 22:02 | WG1638498 |

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

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 22:22 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 22:22 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 22:22 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 22:22 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 22:22 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 22:22 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 22:22 | WG1638498 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 03/22/2021 22:22 | WG1638498 |
| (S) 4-Bromofluorobenzene | 104 | | 77.0-126 | | 03/22/2021 22:22 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 99.5 | | 70.0-130 | | 03/22/2021 22:22 | WG1638498 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 22:42 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Chlorobenzene | 5.11 | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Chloroform | 178 | | 50.0 | 10 | 03/23/2021 11:45 | WG1638913 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 22:42 | WG1638498 |
| Cyclohexane | 12.0 | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,3-Dichlorobenzene | 1.51 | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,4-Dichlorobenzene | 3.29 | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 22:42 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 22:42 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 22:42 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 22:42 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2,3-Trichlorobenzene | 1.66 | B C5 J4 | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,2,4-Trichlorobenzene | 4.56 | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 22:42 | WG1638498 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/22/2021 22:42 | WG1638498 |
| (S) Toluene-d8 | 108 | | 80.0-120 | | 03/23/2021 11:45 | WG1638913 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 03/22/2021 22:42 | WG1638498 |
| (S) 4-Bromofluorobenzene | 93.8 | | 77.0-126 | | 03/23/2021 11:45 | WG1638913 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 03/22/2021 22:42 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 99.4 | | 70.0-130 | | 03/23/2021 11:45 | WG1638913 |

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

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 23:02 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Chloroform | 26.4 | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 23:02 | WG1638498 |
| Cyclohexane | 1.70 | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 23:02 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 23:02 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 23:02 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 23:02 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 23:02 | WG1638498 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/22/2021 23:02 | WG1638498 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 03/22/2021 23:02 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 03/22/2021 23:02 | WG1638498 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 23:23 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 23:23 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 23:23 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 23:23 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 23:23 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 23:23 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 23:23 | WG1638498 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/22/2021 23:23 | WG1638498 |
| (S) 4-Bromofluorobenzene | 105 | | 77.0-126 | | 03/22/2021 23:23 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 103 | | 70.0-130 | | 03/22/2021 23:23 | WG1638498 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|---------------------------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 23:43 | WG1638498 |
| Benzene | 1.60 | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 23:43 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 23:43 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 23:43 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 23:43 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 23:43 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | <u>J4</u> | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 23:43 | WG1638498 |
| (S) Toluene-d8 | 106 | | 80.0-120 | | 03/22/2021 23:43 | WG1638498 |
| (S) 4-Bromofluorobenzene | 109 | | 77.0-126 | | 03/22/2021 23:43 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 03/22/2021 23:43 | WG1638498 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| | ug/l | | ug/l | | | |
| Acetone | ND | | 50.0 | 1 | 03/22/2021 15:07 | WG1638535 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 15:07 | WG1638535 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 15:07 | WG1638535 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 15:07 | WG1638535 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 15:07 | WG1638535 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 15:07 | WG1638535 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2,3-Trichlorobenzene | ND | J3 | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 15:07 | WG1638535 |
| (S) Toluene-d8 | 105 | | 80.0-120 | | 03/22/2021 15:07 | WG1638535 |
| (S) 4-Bromofluorobenzene | 100 | | 77.0-126 | | 03/22/2021 15:07 | WG1638535 |
| (S) 1,2-Dichloroethane-d4 | 98.3 | | 70.0-130 | | 03/22/2021 15:07 | WG1638535 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|--------------------------------|--------|-----------|----------|----------|------------------|-----------|
| | ug/l | | ug/l | | date / time | |
| Acetone | ND | | 50.0 | 1 | 03/23/2021 00:03 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/23/2021 00:03 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/23/2021 00:03 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/23/2021 00:03 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/23/2021 00:03 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/23/2021 00:03 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/23/2021 00:03 | WG1638498 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 03/23/2021 00:03 | WG1638498 |
| (S) 4-Bromofluorobenzene | 101 | | 77.0-126 | | 03/23/2021 00:03 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 03/23/2021 00:03 | WG1638498 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/23/2021 00:23 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Chloroform | 58.5 | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/23/2021 00:23 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/23/2021 00:23 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/23/2021 00:23 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/23/2021 00:23 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/23/2021 00:23 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/23/2021 00:23 | WG1638498 |
| (S) Toluene-d8 | 101 | | 80.0-120 | | 03/23/2021 00:23 | WG1638498 |
| (S) 4-Bromofluorobenzene | 100 | | 77.0-126 | | 03/23/2021 00:23 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 101 | | 70.0-130 | | 03/23/2021 00:23 | WG1638498 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 20:21 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 20:21 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 20:21 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 20:21 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 20:21 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 20:21 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 20:21 | WG1638498 |
| (S) Toluene-d8 | 101 | | 80.0-120 | | 03/22/2021 20:21 | WG1638498 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 03/22/2021 20:21 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 03/22/2021 20:21 | WG1638498 |

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

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 20:41 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 20:41 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 20:41 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 20:41 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 20:41 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 20:41 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 20:41 | WG1638498 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 03/22/2021 20:41 | WG1638498 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 03/22/2021 20:41 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 99.0 | | 70.0-130 | | 03/22/2021 20:41 | WG1638498 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 21:01 | WG1638498 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 21:01 | WG1638498 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,1-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,1-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 21:01 | WG1638498 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 21:01 | WG1638498 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 21:01 | WG1638498 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 21:01 | WG1638498 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2,3-Trichlorobenzene | ND | J4 | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 21:01 | WG1638498 |
| (S) Toluene-d8 | 102 | | 80.0-120 | | 03/22/2021 21:01 | WG1638498 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 03/22/2021 21:01 | WG1638498 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 03/22/2021 21:01 | WG1638498 |

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

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

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch |
|--------------------------------|--------|-----------|----------|----------|----------------------|-----------|
| Acetone | ND | | 50.0 | 1 | 03/22/2021 15:27 | WG1638535 |
| Benzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Bromochloromethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Bromodichloromethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Bromoform | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Bromomethane | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Carbon disulfide | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Carbon tetrachloride | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Chlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Chlorodibromomethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Chloroethane | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Chloroform | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Chloromethane | ND | | 2.50 | 1 | 03/22/2021 15:27 | WG1638535 |
| Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2-Dibromo-3-Chloropropane | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2-Dibromoethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Dichlorodifluoromethane | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,1-Dichloroethane | 2.06 | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2-Dichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,1-Dichloroethene | 4.69 | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2-Dichloropropane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Ethylbenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 2-Hexanone | ND | | 10.0 | 1 | 03/22/2021 15:27 | WG1638535 |
| Isopropylbenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 2-Butanone (MEK) | ND | | 10.0 | 1 | 03/22/2021 15:27 | WG1638535 |
| Methyl Acetate | ND | | 20.0 | 1 | 03/22/2021 15:27 | WG1638535 |
| Methyl Cyclohexane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Methylene Chloride | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 1 | 03/22/2021 15:27 | WG1638535 |
| Methyl tert-butyl ether | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Styrene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Tetrachloroethene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Toluene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2,3-Trichlorobenzene | ND | J3 | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Trichloroethene | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Trichlorofluoromethane | ND | | 5.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Vinyl chloride | ND | | 1.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| Xylenes, Total | ND | | 3.00 | 1 | 03/22/2021 15:27 | WG1638535 |
| (S) Toluene-d8 | 104 | | 80.0-120 | | 03/22/2021 15:27 | WG1638535 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 03/22/2021 15:27 | WG1638535 |
| (S) 1,2-Dichloroethane-d4 | 102 | | 70.0-130 | | 03/22/2021 15:27 | WG1638535 |

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

Method Blank (MB)

(MB) R3633483-1 03/22/21 15:45

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Mercury | U | | 0.100 | 0.200 |

Laboratory Control Sample (LCS)

(LCS) R3633483-2 03/22/21 15:47

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Mercury | 3.00 | 2.99 | 99.6 | 80.0-120 | |

L1328587-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1328587-01 03/22/21 15:49 • (MS) R3633483-3 03/22/21 15:51 • (MSD) R3633483-4 03/22/21 15:53

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Mercury | 3.00 | ND | 2.44 | 2.26 | 81.3 | 75.4 | 1 | 75.0-125 | | | 7.51 | 20 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3634430-1 03/24/21 15:08

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|-----------|-------------------|--------------|----------------|----------------|
| Aluminum | U | | 56.1 | 200 |
| Antimony | U | | 4.30 | 10.0 |
| Arsenic | U | | 4.40 | 10.0 |
| Barium | U | | 0.736 | 5.00 |
| Beryllium | U | | 0.330 | 2.00 |
| Cadmium | U | | 0.479 | 2.00 |
| Calcium | U | | 79.3 | 1000 |
| Chromium | U | | 1.40 | 10.0 |
| Cobalt | U | | 0.840 | 10.0 |
| Copper | U | | 3.68 | 10.0 |
| Iron | U | | 18.0 | 100 |
| Lead | U | | 2.99 | 6.00 |
| Magnesium | U | | 85.3 | 1000 |
| Manganese | U | | 0.934 | 10.0 |
| Nickel | U | | 1.61 | 10.0 |
| Potassium | U | | 261 | 2000 |
| Selenium | U | | 7.35 | 10.0 |
| Silver | U | | 1.54 | 5.00 |
| Sodium | U | | 504 | 3000 |
| Thallium | U | | 4.31 | 10.0 |
| Vanadium | U | | 4.99 | 20.0 |
| Zinc | U | | 6.52 | 50.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3634430-2 03/24/21 15:10

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------|----------------------|--------------------|---------------|------------------|---------------|
| Aluminum | 10000 | 10400 | 104 | 80.0-120 | |
| Antimony | 1000 | 967 | 96.7 | 80.0-120 | |
| Arsenic | 1000 | 959 | 95.9 | 80.0-120 | |
| Barium | 1000 | 1030 | 103 | 80.0-120 | |
| Beryllium | 1000 | 1010 | 101 | 80.0-120 | |
| Cadmium | 1000 | 1000 | 100 | 80.0-120 | |
| Calcium | 10000 | 10200 | 102 | 80.0-120 | |
| Chromium | 1000 | 981 | 98.1 | 80.0-120 | |
| Cobalt | 1000 | 988 | 98.8 | 80.0-120 | |
| Copper | 1000 | 992 | 99.2 | 80.0-120 | |
| Iron | 10000 | 10100 | 101 | 80.0-120 | |

Laboratory Control Sample (LCS)

(LCS) R3634430-2 03/24/21 15:10

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|-----------|----------------------|--------------------|---------------|------------------|----------------------|
| Lead | 1000 | 958 | 95.8 | 80.0-120 | |
| Magnesium | 10000 | 10600 | 106 | 80.0-120 | |
| Manganese | 1000 | 959 | 95.9 | 80.0-120 | |
| Nickel | 1000 | 963 | 96.3 | 80.0-120 | |
| Potassium | 10000 | 9800 | 98.0 | 80.0-120 | |
| Selenium | 1000 | 982 | 98.2 | 80.0-120 | |
| Silver | 200 | 173 | 86.4 | 80.0-120 | |
| Sodium | 10000 | 10100 | 101 | 80.0-120 | |
| Thallium | 1000 | 998 | 99.8 | 80.0-120 | |
| Vanadium | 1000 | 1020 | 102 | 80.0-120 | |
| Zinc | 1000 | 957 | 95.7 | 80.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1328822-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1328822-01 03/24/21 15:13 • (MS) R3634430-4 03/24/21 15:18 • (MSD) R3634430-5 03/24/21 15:21

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Aluminum | 10000 | ND | 10300 | 10300 | 103 | 102 | 1 | 75.0-125 | | | 0.695 | 20 |
| Antimony | 1000 | ND | 973 | 974 | 97.3 | 97.4 | 1 | 75.0-125 | | | 0.0732 | 20 |
| Arsenic | 1000 | ND | 990 | 979 | 99.0 | 97.9 | 1 | 75.0-125 | | | 1.15 | 20 |
| Barium | 1000 | 22.2 | 1040 | 1040 | 102 | 101 | 1 | 75.0-125 | | | 0.722 | 20 |
| Beryllium | 1000 | ND | 1020 | 1020 | 102 | 102 | 1 | 75.0-125 | | | 0.659 | 20 |
| Cadmium | 1000 | ND | 1020 | 1010 | 102 | 101 | 1 | 75.0-125 | | | 1.05 | 20 |
| Calcium | 10000 | 1120 | 11300 | 11200 | 102 | 101 | 1 | 75.0-125 | | | 0.658 | 20 |
| Chromium | 1000 | ND | 975 | 964 | 97.2 | 96.1 | 1 | 75.0-125 | | | 1.18 | 20 |
| Cobalt | 1000 | ND | 1030 | 1020 | 103 | 102 | 1 | 75.0-125 | | | 0.886 | 20 |
| Copper | 1000 | ND | 991 | 985 | 99.1 | 98.5 | 1 | 75.0-125 | | | 0.639 | 20 |
| Iron | 10000 | 164 | 10400 | 10300 | 102 | 101 | 1 | 75.0-125 | | | 0.912 | 20 |
| Lead | 1000 | ND | 981 | 971 | 98.1 | 97.1 | 1 | 75.0-125 | | | 1.02 | 20 |
| Magnesium | 10000 | ND | 10600 | 10500 | 105 | 104 | 1 | 75.0-125 | | | 1.16 | 20 |
| Manganese | 1000 | 635 | 1590 | 1560 | 95.1 | 93.0 | 1 | 75.0-125 | | | 1.36 | 20 |
| Nickel | 1000 | ND | 1000 | 993 | 100 | 99.3 | 1 | 75.0-125 | | | 1.07 | 20 |
| Potassium | 10000 | ND | 10600 | 10500 | 98.1 | 97.4 | 1 | 75.0-125 | | | 0.641 | 20 |
| Selenium | 1000 | ND | 1020 | 1020 | 102 | 102 | 1 | 75.0-125 | | | 0.488 | 20 |
| Silver | 200 | ND | 173 | 170 | 86.3 | 85.1 | 1 | 75.0-125 | | | 1.43 | 20 |
| Sodium | 10000 | 159000 | 166000 | 164000 | 63.6 | 45.0 | 1 | 75.0-125 | V | V | 1.13 | 20 |
| Thallium | 1000 | ND | 1010 | 993 | 101 | 99.3 | 1 | 75.0-125 | | | 1.92 | 20 |
| Vanadium | 1000 | ND | 1030 | 1030 | 103 | 103 | 1 | 75.0-125 | | | 0.860 | 20 |
| Zinc | 1000 | ND | 993 | 984 | 99.3 | 98.4 | 1 | 75.0-125 | | | 0.923 | 20 |

Method Blank (MB)

(MB) R3633306-3 03/22/21 04:28

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone | U | | 11.3 | 50.0 |
| Benzene | U | | 0.0941 | 1.00 |
| Bromodichloromethane | U | | 0.136 | 1.00 |
| Bromochloromethane | U | | 0.128 | 1.00 |
| Bromoform | U | | 0.129 | 1.00 |
| Bromomethane | U | | 0.605 | 5.00 |
| Carbon disulfide | U | | 0.0962 | 1.00 |
| Carbon tetrachloride | U | | 0.128 | 1.00 |
| Chlorobenzene | U | | 0.116 | 1.00 |
| Chlorodibromomethane | U | | 0.140 | 1.00 |
| Chloroethane | U | | 0.192 | 5.00 |
| Chloroform | U | | 0.111 | 5.00 |
| Chloromethane | U | | 0.960 | 2.50 |
| Cyclohexane | U | | 0.188 | 1.00 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 |
| Ethylbenzene | U | | 0.137 | 1.00 |
| 2-Hexanone | U | | 0.787 | 10.0 |
| Isopropylbenzene | U | | 0.105 | 1.00 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 |
| Methyl Acetate | U | | 1.29 | 20.0 |
| Methyl Cyclohexane | U | | 0.660 | 1.00 |
| Methylene Chloride | U | | 0.430 | 5.00 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 |
| Styrene | U | | 0.118 | 1.00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 |
| Tetrachloroethene | U | | 0.300 | 1.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633306-3 03/22/21 04:28

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Toluene | U | | 0.278 | 1.00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 |
| 1,2,3-Trichlorobenzene | U | | 0.230 | 1.00 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 |
| Trichloroethene | U | | 0.190 | 1.00 |
| Vinyl chloride | U | | 0.234 | 1.00 |
| Xylenes, Total | U | | 0.174 | 3.00 |
| (S) Toluene-d8 | 106 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 96.4 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 115 | | | 70.0-130 |

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

(LCS) R3633306-1 03/22/21 03:26 • (LCSD) R3633306-2 03/22/21 03:47

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 25.0 | 26.5 | 28.3 | 106 | 113 | 70.0-130 | | | 6.57 | 27 |
| Benzene | 5.00 | 5.36 | 5.60 | 107 | 112 | 70.0-130 | | | 4.38 | 20 |
| Bromodichloromethane | 5.00 | 5.67 | 5.82 | 113 | 116 | 70.0-130 | | | 2.61 | 20 |
| Bromochloromethane | 5.00 | 4.58 | 4.91 | 91.6 | 98.2 | 70.0-130 | | | 6.95 | 20 |
| Bromoform | 5.00 | 4.61 | 4.60 | 92.2 | 92.0 | 70.0-130 | | | 0.217 | 20 |
| Bromomethane | 5.00 | 7.28 | 5.69 | 146 | 114 | 70.0-130 | J4 | | 24.5 | 25 |
| Carbon disulfide | 5.00 | 5.77 | 6.18 | 115 | 124 | 70.0-130 | | | 6.86 | 20 |
| Carbon tetrachloride | 5.00 | 5.51 | 5.16 | 110 | 103 | 70.0-130 | | | 6.56 | 20 |
| Chlorobenzene | 5.00 | 5.37 | 5.63 | 107 | 113 | 70.0-130 | | | 4.73 | 20 |
| Chlorodibromomethane | 5.00 | 4.54 | 4.78 | 90.8 | 95.6 | 70.0-130 | | | 5.15 | 20 |
| Chloroethane | 5.00 | 5.97 | 6.01 | 119 | 120 | 70.0-130 | | | 0.668 | 20 |
| Chloroform | 5.00 | 6.05 | 6.24 | 121 | 125 | 70.0-130 | | | 3.09 | 20 |
| Chloromethane | 5.00 | 4.69 | 4.90 | 93.8 | 98.0 | 70.0-130 | | | 4.38 | 20 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 4.21 | 4.74 | 84.2 | 94.8 | 70.0-130 | | | 11.8 | 20 |
| 1,2-Dibromoethane | 5.00 | 5.26 | 5.20 | 105 | 104 | 70.0-130 | | | 1.15 | 20 |
| 1,2-Dichlorobenzene | 5.00 | 5.20 | 5.54 | 104 | 111 | 70.0-130 | | | 6.33 | 20 |
| 1,3-Dichlorobenzene | 5.00 | 5.38 | 5.75 | 108 | 115 | 70.0-130 | | | 6.65 | 20 |
| 1,4-Dichlorobenzene | 5.00 | 5.17 | 5.60 | 103 | 112 | 70.0-130 | | | 7.99 | 20 |
| Dichlorodifluoromethane | 5.00 | 4.58 | 4.88 | 91.6 | 97.6 | 70.0-130 | | | 6.34 | 20 |
| 1,1-Dichloroethane | 5.00 | 5.83 | 5.93 | 117 | 119 | 70.0-130 | | | 1.70 | 20 |
| 1,2-Dichloroethane | 5.00 | 6.01 | 6.36 | 120 | 127 | 70.0-130 | | | 5.66 | 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) R3633306-1 03/22/21 03:26 • (LCSD) R3633306-2 03/22/21 03:47

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|----------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 1,1-Dichloroethene | 5.00 | 4.87 | 5.42 | 97.4 | 108 | 70.0-130 | | | 10.7 | 20 |
| cis-1,2-Dichloroethene | 5.00 | 5.86 | 5.97 | 117 | 119 | 70.0-130 | | | 1.86 | 20 |
| trans-1,2-Dichloroethene | 5.00 | 5.93 | 6.32 | 119 | 126 | 70.0-130 | | | 6.37 | 20 |
| 1,2-Dichloropropane | 5.00 | 5.32 | 5.46 | 106 | 109 | 70.0-130 | | | 2.60 | 20 |
| cis-1,3-Dichloropropene | 5.00 | 5.10 | 5.50 | 102 | 110 | 70.0-130 | | | 7.55 | 20 |
| trans-1,3-Dichloropropene | 5.00 | 4.88 | 5.08 | 97.6 | 102 | 70.0-130 | | | 4.02 | 20 |
| Ethylbenzene | 5.00 | 4.96 | 5.30 | 99.2 | 106 | 70.0-130 | | | 6.63 | 20 |
| 2-Hexanone | 25.0 | 22.4 | 23.3 | 89.6 | 93.2 | 70.0-130 | | | 3.94 | 20 |
| Isopropylbenzene | 5.00 | 4.60 | 4.67 | 92.0 | 93.4 | 70.0-130 | | | 1.51 | 20 |
| 2-Butanone (MEK) | 25.0 | 28.6 | 30.4 | 114 | 122 | 70.0-130 | | | 6.10 | 20 |
| Methylene Chloride | 5.00 | 5.96 | 6.17 | 119 | 123 | 70.0-130 | | | 3.46 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 25.0 | 29.0 | 29.3 | 116 | 117 | 70.0-130 | | | 1.03 | 20 |
| Methyl tert-butyl ether | 5.00 | 5.37 | 5.71 | 107 | 114 | 70.0-130 | | | 6.14 | 20 |
| Styrene | 5.00 | 4.49 | 4.64 | 89.8 | 92.8 | 70.0-130 | | | 3.29 | 20 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 5.61 | 6.10 | 112 | 122 | 70.0-130 | | | 8.37 | 20 |
| Tetrachloroethene | 5.00 | 5.43 | 5.35 | 109 | 107 | 70.0-130 | | | 1.48 | 20 |
| Toluene | 5.00 | 5.27 | 5.55 | 105 | 111 | 70.0-130 | | | 5.18 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 5.00 | 5.41 | 5.66 | 108 | 113 | 70.0-130 | | | 4.52 | 20 |
| 1,2,3-Trichlorobenzene | 5.00 | 4.16 | 4.45 | 83.2 | 89.0 | 70.0-130 | | | 6.74 | 20 |
| 1,2,4-Trichlorobenzene | 5.00 | 4.62 | 4.68 | 92.4 | 93.6 | 70.0-130 | | | 1.29 | 20 |
| 1,1,1-Trichloroethane | 5.00 | 5.66 | 5.78 | 113 | 116 | 70.0-130 | | | 2.10 | 20 |
| 1,1,2-Trichloroethane | 5.00 | 5.29 | 5.47 | 106 | 109 | 70.0-130 | | | 3.35 | 20 |
| Trichloroethene | 5.00 | 5.33 | 5.66 | 107 | 113 | 70.0-130 | | | 6.01 | 20 |
| Vinyl chloride | 5.00 | 5.59 | 5.94 | 112 | 119 | 70.0-130 | | | 6.07 | 20 |
| Xylenes, Total | 15.0 | 15.5 | 15.9 | 103 | 106 | 70.0-130 | | | 2.55 | 20 |
| <i>(S) Toluene-d8</i> | | | | 104 | 101 | 80.0-120 | | | | |
| <i>(S) 4-Bromofluorobenzene</i> | | | | 94.5 | 94.3 | 77.0-126 | | | | |
| <i>(S) 1,2-Dichloroethane-d4</i> | | | | 122 | 120 | 70.0-130 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633445-2 03/22/21 09:30

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Chlorobenzene | U | | 0.116 | 1.00 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 |
| (S) Toluene-d8 | 88.6 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 97.4 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 112 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3633445-1 03/22/21 08:29

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Chlorobenzene | 5.00 | 4.54 | 90.8 | 70.0-130 | |
| 1,2-Dichlorobenzene | 5.00 | 4.01 | 80.2 | 70.0-130 | |
| 1,4-Dichlorobenzene | 5.00 | 4.30 | 86.0 | 70.0-130 | |
| 1,1-Dichloroethene | 5.00 | 4.63 | 92.6 | 70.0-130 | |
| Trichlorofluoromethane | 5.00 | 4.61 | 92.2 | 70.0-130 | |
| (S) Toluene-d8 | | | 89.6 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 100 | 77.0-126 | |
| (S) 1,2-Dichloroethane-d4 | | | 113 | 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) R3633625-2 03/22/21 20:01

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone | U | | 11.3 | 50.0 |
| Benzene | U | | 0.0941 | 1.00 |
| Bromodichloromethane | U | | 0.136 | 1.00 |
| Bromochloromethane | U | | 0.128 | 1.00 |
| Bromoform | U | | 0.129 | 1.00 |
| Bromomethane | U | | 0.605 | 5.00 |
| Carbon disulfide | U | | 0.0962 | 1.00 |
| Carbon tetrachloride | U | | 0.128 | 1.00 |
| Chlorobenzene | U | | 0.116 | 1.00 |
| Chlorodibromomethane | U | | 0.140 | 1.00 |
| Chloroethane | U | | 0.192 | 5.00 |
| Chloroform | U | | 0.111 | 5.00 |
| Chloromethane | U | | 0.960 | 2.50 |
| Cyclohexane | U | | 0.188 | 1.00 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 |
| Ethylbenzene | U | | 0.137 | 1.00 |
| 2-Hexanone | U | | 0.787 | 10.0 |
| Isopropylbenzene | U | | 0.105 | 1.00 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 |
| Methyl Acetate | U | | 1.29 | 20.0 |
| Methyl Cyclohexane | U | | 0.660 | 1.00 |
| Methylene Chloride | U | | 0.430 | 5.00 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 |
| Styrene | U | | 0.118 | 1.00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 |
| Tetrachloroethene | U | | 0.300 | 1.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633625-2 03/22/21 20:01

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------------------------|-----------|--------------|--------|----------|
| | ug/l | | ug/l | ug/l |
| Toluene | U | | 0.278 | 1.00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 |
| 1,2,3-Trichlorobenzene | 0.411 | U | 0.230 | 1.00 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 |
| Trichloroethene | U | | 0.190 | 1.00 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 |
| Vinyl chloride | U | | 0.234 | 1.00 |
| Xylenes, Total | U | | 0.174 | 3.00 |
| (S) Toluene-d8 | 101 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 104 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3633625-1 03/22/21 19:20

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-----------------------------|--------------|------------|----------|-------------|---------------|
| | ug/l | ug/l | % | % | |
| Acetone | 25.0 | 31.7 | 127 | 70.0-130 | |
| Benzene | 5.00 | 4.81 | 96.2 | 70.0-130 | |
| Bromodichloromethane | 5.00 | 5.37 | 107 | 70.0-130 | |
| Bromochloromethane | 5.00 | 5.23 | 105 | 70.0-130 | |
| Bromoform | 5.00 | 5.86 | 117 | 70.0-130 | |
| Bromomethane | 5.00 | 5.54 | 111 | 70.0-130 | |
| Carbon disulfide | 5.00 | 4.67 | 93.4 | 70.0-130 | |
| Carbon tetrachloride | 5.00 | 4.99 | 99.8 | 70.0-130 | |
| Chlorobenzene | 5.00 | 4.80 | 96.0 | 70.0-130 | |
| Chlorodibromomethane | 5.00 | 5.35 | 107 | 70.0-130 | |
| Chloroethane | 5.00 | 5.16 | 103 | 70.0-130 | |
| Chloroform | 5.00 | 4.69 | 93.8 | 70.0-130 | |
| Chloromethane | 5.00 | 4.68 | 93.6 | 70.0-130 | |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 5.60 | 112 | 70.0-130 | |
| 1,2-Dibromoethane | 5.00 | 4.78 | 95.6 | 70.0-130 | |
| 1,2-Dichlorobenzene | 5.00 | 5.26 | 105 | 70.0-130 | |
| 1,3-Dichlorobenzene | 5.00 | 5.07 | 101 | 70.0-130 | |
| 1,4-Dichlorobenzene | 5.00 | 4.97 | 99.4 | 70.0-130 | |
| Dichlorodifluoromethane | 5.00 | 5.25 | 105 | 70.0-130 | |
| 1,1-Dichloroethane | 5.00 | 4.47 | 89.4 | 70.0-130 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3633625-1 03/22/21 19:20

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------------------------|----------------------|--------------------|---------------|------------------|----------------------|
| 1,2-Dichloroethane | 5.00 | 4.90 | 98.0 | 70.0-130 | |
| 1,1-Dichloroethene | 5.00 | 5.02 | 100 | 70.0-130 | |
| cis-1,2-Dichloroethene | 5.00 | 4.59 | 91.8 | 70.0-130 | |
| Cyclohexane | 5.00 | 5.10 | 102 | 71.0-124 | |
| trans-1,2-Dichloroethene | 5.00 | 4.53 | 90.6 | 70.0-130 | |
| 1,2-Dichloropropane | 5.00 | 4.71 | 94.2 | 70.0-130 | |
| cis-1,3-Dichloropropene | 5.00 | 4.74 | 94.8 | 70.0-130 | |
| trans-1,3-Dichloropropene | 5.00 | 4.60 | 92.0 | 70.0-130 | |
| Ethylbenzene | 5.00 | 4.93 | 98.6 | 70.0-130 | |
| 2-Hexanone | 25.0 | 25.5 | 102 | 70.0-130 | |
| Isopropylbenzene | 5.00 | 5.18 | 104 | 70.0-130 | |
| 2-Butanone (MEK) | 25.0 | 27.8 | 111 | 70.0-130 | |
| Methylene Chloride | 5.00 | 5.03 | 101 | 70.0-130 | |
| 4-Methyl-2-pentanone (MIBK) | 25.0 | 25.7 | 103 | 70.0-130 | |
| Methyl tert-butyl ether | 5.00 | 4.15 | 83.0 | 70.0-130 | |
| Styrene | 5.00 | 5.00 | 100 | 70.0-130 | |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.91 | 98.2 | 70.0-130 | |
| Tetrachloroethene | 5.00 | 5.02 | 100 | 70.0-130 | |
| Toluene | 5.00 | 4.93 | 98.6 | 70.0-130 | |
| 1,1,2-Trichlorotrifluoroethane | 5.00 | 5.13 | 103 | 70.0-130 | |
| 1,2,3-Trichlorobenzene | 5.00 | 6.74 | 135 | 70.0-130 | J4 |
| 1,2,4-Trichlorobenzene | 5.00 | 5.83 | 117 | 70.0-130 | |
| Methyl Acetate | 25.0 | 28.7 | 115 | 57.0-148 | |
| 1,1,1-Trichloroethane | 5.00 | 4.61 | 92.2 | 70.0-130 | |
| Methyl Cyclohexane | 5.00 | 4.97 | 99.4 | 68.0-126 | |
| 1,1,2-Trichloroethane | 5.00 | 4.89 | 97.8 | 70.0-130 | |
| Trichloroethene | 5.00 | 4.87 | 97.4 | 70.0-130 | |
| Trichlorofluoromethane | 5.00 | 4.92 | 98.4 | 70.0-130 | |
| Vinyl chloride | 5.00 | 5.61 | 112 | 70.0-130 | |
| Xylenes, Total | 15.0 | 14.9 | 99.3 | 70.0-130 | |
| (S) Toluene-d8 | | | 102 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 108 | 77.0-126 | |
| (S) 1,2-Dichloroethane-d4 | | | 104 | 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) R3633462-3 03/22/21 09:17

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone | U | | 11.3 | 50.0 |
| Benzene | U | | 0.0941 | 1.00 |
| Bromodichloromethane | U | | 0.136 | 1.00 |
| Bromochloromethane | U | | 0.128 | 1.00 |
| Bromoform | U | | 0.129 | 1.00 |
| Bromomethane | U | | 0.605 | 5.00 |
| Carbon disulfide | U | | 0.0962 | 1.00 |
| Carbon tetrachloride | U | | 0.128 | 1.00 |
| Chlorobenzene | U | | 0.116 | 1.00 |
| Chlorodibromomethane | U | | 0.140 | 1.00 |
| Chloroethane | U | | 0.192 | 5.00 |
| Chloroform | U | | 0.111 | 5.00 |
| Chloromethane | U | | 0.960 | 2.50 |
| Cyclohexane | U | | 0.188 | 1.00 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 |
| Ethylbenzene | 0.148 | U | 0.137 | 1.00 |
| 2-Hexanone | U | | 0.787 | 10.0 |
| Isopropylbenzene | U | | 0.105 | 1.00 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 |
| Methyl Acetate | U | | 1.29 | 20.0 |
| Methyl Cyclohexane | U | | 0.660 | 1.00 |
| Methylene Chloride | U | | 0.430 | 5.00 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 |
| Styrene | U | | 0.118 | 1.00 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 |
| Tetrachloroethene | U | | 0.300 | 1.00 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633462-3 03/22/21 09:17

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Toluene | U | | 0.278 | 1.00 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 |
| 1,2,3-Trichlorobenzene | U | | 0.230 | 1.00 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 |
| Trichloroethene | U | | 0.190 | 1.00 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 |
| Vinyl chloride | U | | 0.234 | 1.00 |
| Xylenes, Total | U | | 0.174 | 3.00 |
| (S) Toluene-d8 | 107 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 103 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 98.0 | | | 70.0-130 |

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

(LCS) R3633462-1 03/22/21 08:16 • (LCSD) R3633462-2 03/22/21 08:36

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone | 25.0 | 24.2 | 24.9 | 96.8 | 99.6 | 70.0-130 | | | 2.85 | 27 |
| Benzene | 5.00 | 4.66 | 4.60 | 93.2 | 92.0 | 70.0-130 | | | 1.30 | 20 |
| Bromodichloromethane | 5.00 | 5.02 | 4.96 | 100 | 99.2 | 70.0-130 | | | 1.20 | 20 |
| Bromochloromethane | 5.00 | 5.02 | 5.15 | 100 | 103 | 70.0-130 | | | 2.56 | 20 |
| Bromoform | 5.00 | 4.66 | 4.63 | 93.2 | 92.6 | 70.0-130 | | | 0.646 | 20 |
| Bromomethane | 5.00 | 5.83 | 6.32 | 117 | 126 | 70.0-130 | | | 8.07 | 25 |
| Carbon disulfide | 5.00 | 4.77 | 4.53 | 95.4 | 90.6 | 70.0-130 | | | 5.16 | 20 |
| Carbon tetrachloride | 5.00 | 4.31 | 4.06 | 86.2 | 81.2 | 70.0-130 | | | 5.97 | 20 |
| Chlorobenzene | 5.00 | 4.75 | 4.48 | 95.0 | 89.6 | 70.0-130 | | | 5.85 | 20 |
| Chlorodibromomethane | 5.00 | 4.97 | 4.95 | 99.4 | 99.0 | 70.0-130 | | | 0.403 | 20 |
| Chloroethane | 5.00 | 6.11 | 6.00 | 122 | 120 | 70.0-130 | | | 1.82 | 20 |
| Chloroform | 5.00 | 4.99 | 4.98 | 99.8 | 99.6 | 70.0-130 | | | 0.201 | 20 |
| Chloromethane | 5.00 | 4.47 | 4.69 | 89.4 | 93.8 | 70.0-130 | | | 4.80 | 20 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 4.53 | 4.85 | 90.6 | 97.0 | 70.0-130 | | | 6.82 | 20 |
| 1,2-Dibromoethane | 5.00 | 5.19 | 5.24 | 104 | 105 | 70.0-130 | | | 0.959 | 20 |
| 1,2-Dichlorobenzene | 5.00 | 5.05 | 4.80 | 101 | 96.0 | 70.0-130 | | | 5.08 | 20 |
| 1,3-Dichlorobenzene | 5.00 | 5.13 | 4.94 | 103 | 98.8 | 70.0-130 | | | 3.77 | 20 |
| 1,4-Dichlorobenzene | 5.00 | 5.13 | 5.01 | 103 | 100 | 70.0-130 | | | 2.37 | 20 |
| Dichlorodifluoromethane | 5.00 | 4.48 | 4.34 | 89.6 | 86.8 | 70.0-130 | | | 3.17 | 20 |
| 1,1-Dichloroethane | 5.00 | 5.07 | 4.80 | 101 | 96.0 | 70.0-130 | | | 5.47 | 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) R3633462-1 03/22/21 08:16 • (LCSD) R3633462-2 03/22/21 08:36

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| 1,2-Dichloroethane | 5.00 | 4.51 | 4.63 | 90.2 | 92.6 | 70.0-130 | | | 2.63 | 20 |
| 1,1-Dichloroethene | 5.00 | 4.91 | 4.73 | 98.2 | 94.6 | 70.0-130 | | | 3.73 | 20 |
| cis-1,2-Dichloroethene | 5.00 | 4.91 | 4.79 | 98.2 | 95.8 | 70.0-130 | | | 2.47 | 20 |
| Cyclohexane | 5.00 | 4.73 | 4.65 | 94.6 | 93.0 | 71.0-124 | | | 1.71 | 20 |
| trans-1,2-Dichloroethene | 5.00 | 5.20 | 5.00 | 104 | 100 | 70.0-130 | | | 3.92 | 20 |
| 1,2-Dichloropropane | 5.00 | 4.99 | 4.93 | 99.8 | 98.6 | 70.0-130 | | | 1.21 | 20 |
| cis-1,3-Dichloropropene | 5.00 | 4.90 | 4.88 | 98.0 | 97.6 | 70.0-130 | | | 0.409 | 20 |
| trans-1,3-Dichloropropene | 5.00 | 4.85 | 4.60 | 97.0 | 92.0 | 70.0-130 | | | 5.29 | 20 |
| Ethylbenzene | 5.00 | 5.30 | 4.99 | 106 | 99.8 | 70.0-130 | | | 6.03 | 20 |
| 2-Hexanone | 25.0 | 26.1 | 26.1 | 104 | 104 | 70.0-130 | | | 0.000 | 20 |
| Isopropylbenzene | 5.00 | 5.23 | 4.99 | 105 | 99.8 | 70.0-130 | | | 4.70 | 20 |
| 2-Butanone (MEK) | 25.0 | 25.0 | 25.3 | 100 | 101 | 70.0-130 | | | 1.19 | 20 |
| Methylene Chloride | 5.00 | 4.93 | 5.14 | 98.6 | 103 | 70.0-130 | | | 4.17 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 25.0 | 25.9 | 24.6 | 104 | 98.4 | 70.0-130 | | | 5.15 | 20 |
| Methyl tert-butyl ether | 5.00 | 5.08 | 5.02 | 102 | 100 | 70.0-130 | | | 1.19 | 20 |
| Styrene | 5.00 | 4.93 | 4.66 | 98.6 | 93.2 | 70.0-130 | | | 5.63 | 20 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 5.77 | 4.89 | 115 | 97.8 | 70.0-130 | | | 16.5 | 20 |
| Tetrachloroethene | 5.00 | 5.03 | 4.57 | 101 | 91.4 | 70.0-130 | | | 9.58 | 20 |
| Toluene | 5.00 | 4.44 | 4.26 | 88.8 | 85.2 | 70.0-130 | | | 4.14 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 5.00 | 4.69 | 4.25 | 93.8 | 85.0 | 70.0-130 | | | 9.84 | 20 |
| 1,2,3-Trichlorobenzene | 5.00 | 5.04 | 4.06 | 101 | 81.2 | 70.0-130 | | J3 | 21.5 | 20 |
| 1,2,4-Trichlorobenzene | 5.00 | 4.43 | 4.16 | 88.6 | 83.2 | 70.0-130 | | | 6.29 | 20 |
| Methyl Acetate | 25.0 | 24.9 | 25.5 | 99.6 | 102 | 57.0-148 | | | 2.38 | 20 |
| 1,1,1-Trichloroethane | 5.00 | 4.87 | 4.78 | 97.4 | 95.6 | 70.0-130 | | | 1.87 | 20 |
| Methyl Cyclohexane | 5.00 | 4.74 | 4.56 | 94.8 | 91.2 | 68.0-126 | | | 3.87 | 20 |
| 1,1,2-Trichloroethane | 5.00 | 5.17 | 5.00 | 103 | 100 | 70.0-130 | | | 3.34 | 20 |
| Trichloroethene | 5.00 | 4.99 | 4.71 | 99.8 | 94.2 | 70.0-130 | | | 5.77 | 20 |
| Trichlorofluoromethane | 5.00 | 5.02 | 4.84 | 100 | 96.8 | 70.0-130 | | | 3.65 | 20 |
| Vinyl chloride | 5.00 | 4.11 | 4.17 | 82.2 | 83.4 | 70.0-130 | | | 1.45 | 20 |
| Xylenes, Total | 15.0 | 15.3 | 14.3 | 102 | 95.3 | 70.0-130 | | | 6.76 | 20 |
| (S) Toluene-d8 | | | | 97.6 | 97.5 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 98.1 | 99.6 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 103 | 104 | 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) R3633926-4 03/23/21 09:33

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---------------------------|-------------------|--------------|----------------|----------------|
| Chloroform | U | | 0.111 | 5.00 |
| (S) Toluene-d8 | 108 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 96.0 | | | 77.0-126 |
| (S) 1,2-Dichloroethane-d4 | 98.1 | | | 70.0-130 |

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

(LCS) R3633926-1 03/23/21 08:12 • (LCSD) R3633926-2 03/23/21 08:32

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCSD Result ug/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloroform | 5.00 | 4.61 | 4.70 | 92.2 | 94.0 | 70.0-130 | | | 1.93 | 20 |
| (S) Toluene-d8 | | | | 106 | 104 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 98.3 | 97.1 | 77.0-126 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 99.5 | 99.5 | 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) R3633579-2 03/22/21 21:39

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acenaphthene | U | | 0.0886 | 1.00 |
| Acenaphthylene | U | | 0.0921 | 1.00 |
| Acetophenone | U | | 0.208 | 10.0 |
| Anthracene | U | | 0.0804 | 1.00 |
| Atrazine | U | | 0.255 | 10.0 |
| Benzaldehyde | U | | 1.69 | 10.0 |
| Benzo(a)anthracene | U | | 0.199 | 1.00 |
| Benzo(b)fluoranthene | U | | 0.130 | 1.00 |
| Benzo(k)fluoranthene | U | | 0.120 | 1.00 |
| Benzo(g,h,i)perylene | U | | 0.121 | 1.00 |
| Benzo(a)pyrene | U | | 0.0381 | 1.00 |
| Biphenyl | U | | 0.790 | 10.0 |
| Bis(2-chlorethoxy)methane | U | | 0.116 | 10.0 |
| Bis(2-chloroethyl)ether | U | | 0.137 | 10.0 |
| 2,2-Oxybis(1-Chloropropane) | U | | 0.210 | 10.0 |
| 4-Bromophenyl-phenylether | U | | 0.0877 | 10.0 |
| Caprolactam | U | | 0.309 | 10.0 |
| Carbazole | U | | 0.111 | 10.0 |
| 4-Chloroaniline | U | | 0.234 | 10.0 |
| 2-Chloronaphthalene | U | | 0.0648 | 1.00 |
| 4-Chlorophenyl-phenylether | U | | 0.0926 | 10.0 |
| Chrysene | U | | 0.130 | 1.00 |
| Dibenz(a,h)anthracene | U | | 0.0644 | 1.00 |
| Dibenzofuran | U | | 0.0970 | 10.0 |
| 3,3-Dichlorobenzidine | U | | 0.212 | 10.0 |
| 2,4-Dinitrotoluene | U | | 0.0983 | 10.0 |
| 2,6-Dinitrotoluene | U | | 0.250 | 10.0 |
| Fluoranthene | U | | 0.102 | 1.00 |
| Fluorene | U | | 0.0844 | 1.00 |
| Hexachlorobenzene | U | | 0.0755 | 1.00 |
| Hexachloro-1,3-butadiene | U | | 0.0968 | 10.0 |
| Hexachlorocyclopentadiene | U | | 0.0598 | 10.0 |
| Hexachloroethane | U | | 0.127 | 10.0 |
| Indeno(1,2,3-cd)pyrene | U | | 0.279 | 1.00 |
| Isophorone | U | | 0.143 | 10.0 |
| 2-Methylnaphthalene | U | | 0.117 | 1.00 |
| Naphthalene | U | | 0.159 | 1.00 |
| 2-Nitroaniline | U | | 0.102 | 10.0 |
| 3-Nitroaniline | U | | 0.0869 | 10.0 |
| 4-Nitroaniline | U | | 0.0910 | 10.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633579-2 03/22/21 21:39

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|----------|
| | ug/l | | ug/l | ug/l |
| Nitrobenzene | U | | 0.297 | 10.0 |
| n-Nitrosodiphenylamine | U | | 2.37 | 10.0 |
| n-Nitrosodi-n-propylamine | U | | 0.261 | 10.0 |
| Phenanthrene | U | | 0.112 | 1.00 |
| Benzylbutyl phthalate | U | | 0.765 | 3.00 |
| Bis(2-ethylhexyl)phthalate | U | | 0.895 | 3.00 |
| Di-n-butyl phthalate | U | | 0.453 | 3.00 |
| Diethyl phthalate | U | | 0.287 | 3.00 |
| Dimethyl phthalate | U | | 0.260 | 3.00 |
| Di-n-octyl phthalate | U | | 0.932 | 3.00 |
| Pyrene | U | | 0.107 | 1.00 |
| 4-Chloro-3-methylphenol | U | | 0.131 | 10.0 |
| 2-Chlorophenol | U | | 0.133 | 10.0 |
| 2-Methylphenol | U | | 0.0929 | 10.0 |
| 3&4-Methyl Phenol | U | | 0.168 | 10.0 |
| 2,4-Dichlorophenol | U | | 0.102 | 10.0 |
| 2,4-Dimethylphenol | U | | 0.0636 | 10.0 |
| 4,6-Dinitro-2-methylphenol | U | | 1.12 | 10.0 |
| 2,4-Dinitrophenol | U | | 5.93 | 10.0 |
| 2-Nitrophenol | U | | 0.117 | 10.0 |
| 4-Nitrophenol | U | | 0.143 | 10.0 |
| Pentachlorophenol | U | | 0.313 | 10.0 |
| Phenol | U | | 4.33 | 10.0 |
| 1,2,4,5-Tetrachlorobenzene | U | | 0.0647 | 10.0 |
| 2,4,5-Trichlorophenol | U | | 0.109 | 10.0 |
| 2,4,6-Trichlorophenol | U | | 0.100 | 10.0 |
| (S) Nitrobenzene-d5 | 74.8 | | | 10.0-127 |
| (S) 2-Fluorobiphenyl | 78.0 | | | 10.0-130 |
| (S) p-Terphenyl-d14 | 83.7 | | | 10.0-128 |
| (S) Phenol-d5 | 28.1 | | | 10.0-120 |
| (S) 2-Fluorophenol | 45.6 | | | 10.0-120 |
| (S) 2,4,6-Tribromophenol | 75.5 | | | 10.0-155 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3633579-1 03/22/21 21:17

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Acenaphthene | 50.0 | 37.5 | 75.0 | 70.0-130 | |
| Acenaphthylene | 50.0 | 39.5 | 79.0 | 70.0-130 | |
| Acetophenone | 50.0 | 62.1 | 124 | 70.0-130 | |
| Anthracene | 50.0 | 39.4 | 78.8 | 70.0-130 | |
| Atrazine | 50.0 | 45.5 | 91.0 | 70.0-130 | |
| Benzaldehyde | 50.0 | 134 | 268 | 70.0-130 | J4 |
| Benzo(a)anthracene | 50.0 | 44.4 | 88.8 | 70.0-130 | |
| Benzo(b)fluoranthene | 50.0 | 41.3 | 82.6 | 70.0-130 | |
| Benzo(k)fluoranthene | 50.0 | 42.8 | 85.6 | 70.0-130 | |
| Benzo(g,h,i)perylene | 50.0 | 37.9 | 75.8 | 70.0-130 | |
| Benzo(a)pyrene | 50.0 | 43.8 | 87.6 | 70.0-130 | |
| Biphenyl | 50.0 | 41.5 | 83.0 | 70.0-130 | |
| Bis(2-chloroethoxy)methane | 50.0 | 34.8 | 69.6 | 70.0-130 | J4 |
| Bis(2-chloroethyl)ether | 50.0 | 52.0 | 104 | 70.0-130 | |
| 2,2-Oxybis(1-Chloropropane) | 50.0 | 37.8 | 75.6 | 70.0-130 | |
| 4-Bromophenyl-phenylether | 50.0 | 43.7 | 87.4 | 70.0-130 | |
| Caprolactam | 50.0 | 11.9 | 23.8 | 70.0-130 | J4 |
| Carbazole | 50.0 | 42.0 | 84.0 | 70.0-130 | |
| 4-Chloroaniline | 50.0 | 28.2 | 56.4 | 70.0-130 | J4 |
| 2-Chloronaphthalene | 50.0 | 40.5 | 81.0 | 70.0-130 | |
| 4-Chlorophenyl-phenylether | 50.0 | 40.3 | 80.6 | 70.0-130 | |
| Chrysene | 50.0 | 40.1 | 80.2 | 70.0-130 | |
| Dibenz(a,h)anthracene | 50.0 | 41.1 | 82.2 | 70.0-130 | |
| Dibenzofuran | 50.0 | 41.3 | 82.6 | 70.0-130 | |
| 3,3-Dichlorobenzidine | 100 | 89.0 | 89.0 | 70.0-130 | |
| 2,4-Dinitrotoluene | 50.0 | 46.9 | 93.8 | 70.0-130 | |
| 2,6-Dinitrotoluene | 50.0 | 41.9 | 83.8 | 70.0-130 | |
| Fluoranthene | 50.0 | 47.1 | 94.2 | 70.0-130 | |
| Fluorene | 50.0 | 38.2 | 76.4 | 70.0-130 | |
| Hexachlorobenzene | 50.0 | 44.6 | 89.2 | 70.0-130 | |
| Hexachloro-1,3-butadiene | 50.0 | 35.9 | 71.8 | 70.0-130 | |
| Hexachlorocyclopentadiene | 50.0 | 30.1 | 60.2 | 70.0-130 | J4 |
| Hexachloroethane | 50.0 | 30.7 | 61.4 | 70.0-130 | J4 |
| Indeno(1,2,3-cd)pyrene | 50.0 | 36.5 | 73.0 | 70.0-130 | |
| Isophorone | 50.0 | 31.7 | 63.4 | 70.0-130 | J4 |
| 2-Methylnaphthalene | 50.0 | 28.9 | 57.8 | 70.0-130 | J4 |
| Naphthalene | 50.0 | 31.5 | 63.0 | 70.0-130 | J4 |
| 2-Nitroaniline | 50.0 | 44.2 | 88.4 | 70.0-130 | |
| 3-Nitroaniline | 50.0 | 40.5 | 81.0 | 70.0-130 | |
| 4-Nitroaniline | 50.0 | 46.9 | 93.8 | 70.0-130 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3633579-1 03/22/21 21:17

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Nitrobenzene | 50.0 | 37.3 | 74.6 | 70.0-130 | |
| n-Nitrosodiphenylamine | 50.0 | 40.3 | 80.6 | 70.0-130 | |
| n-Nitrosodi-n-propylamine | 50.0 | 38.4 | 76.8 | 70.0-130 | |
| Phenanthrene | 50.0 | 39.7 | 79.4 | 70.0-130 | |
| Benzylbutyl phthalate | 50.0 | 45.4 | 90.8 | 70.0-130 | |
| Bis(2-ethylhexyl)phthalate | 50.0 | 45.1 | 90.2 | 70.0-130 | |
| Di-n-butyl phthalate | 50.0 | 43.5 | 87.0 | 70.0-130 | |
| Diethyl phthalate | 50.0 | 42.3 | 84.6 | 70.0-130 | |
| Dimethyl phthalate | 50.0 | 40.0 | 80.0 | 70.0-130 | |
| Di-n-octyl phthalate | 50.0 | 45.6 | 91.2 | 70.0-130 | |
| Pyrene | 50.0 | 36.7 | 73.4 | 70.0-130 | |
| 4-Chloro-3-methylphenol | 50.0 | 31.7 | 63.4 | 70.0-130 | J4 |
| 2-Chlorophenol | 50.0 | 39.1 | 78.2 | 70.0-130 | |
| 2-Methylphenol | 50.0 | 29.9 | 59.8 | 70.0-130 | J4 |
| 3&4-Methyl Phenol | 50.0 | 30.0 | 60.0 | 70.0-130 | J4 |
| 2,4-Dichlorophenol | 50.0 | 35.5 | 71.0 | 70.0-130 | |
| 2,4-Dimethylphenol | 50.0 | 35.8 | 71.6 | 70.0-130 | |
| 4,6-Dinitro-2-methylphenol | 50.0 | 51.6 | 103 | 70.0-130 | |
| 2,4-Dinitrophenol | 50.0 | 48.3 | 96.6 | 70.0-130 | |
| 2-Nitrophenol | 50.0 | 40.3 | 80.6 | 70.0-130 | |
| 4-Nitrophenol | 50.0 | 17.2 | 34.4 | 70.0-130 | J4 |
| Pentachlorophenol | 50.0 | 41.7 | 83.4 | 70.0-130 | |
| Phenol | 50.0 | 16.6 | 33.2 | 70.0-130 | J4 |
| 1,2,4,5-Tetrachlorobenzene | 50.0 | 39.0 | 78.0 | 70.0-130 | |
| 2,4,5-Trichlorophenol | 50.0 | 48.4 | 96.8 | 70.0-130 | |
| 2,4,6-Trichlorophenol | 50.0 | 46.4 | 92.8 | 70.0-130 | |
| (S) Nitrobenzene-d5 | | | 63.3 | 10.0-127 | |
| (S) 2-Fluorobiphenyl | | | 82.7 | 10.0-130 | |
| (S) p-Terphenyl-d14 | | | 79.3 | 10.0-128 | |
| (S) Phenol-d5 | | | 29.7 | 10.0-120 | |
| (S) 2-Fluorophenol | | | 40.5 | 10.0-120 | |
| (S) 2,4,6-Tribromophenol | | | 91.0 | 10.0-155 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1329239-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1329239-01 03/24/21 18:50 • (MS) R3634408-2 03/24/21 19:12 • (MSD) R3634408-3 03/24/21 19:33

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acenaphthene | 50.0 | ND | 24.6 | 28.2 | 49.2 | 56.4 | 1 | 25.0-143 | | | 13.6 | 29 |
| Acenaphthylene | 50.0 | ND | 21.4 | 29.1 | 42.8 | 58.2 | 1 | 24.0-149 | | J3 | 30.5 | 29 |
| Acetophenone | 50.0 | ND | 42.7 | 55.1 | 81.1 | 106 | 1 | 10.0-139 | | | 25.4 | 35 |
| Anthracene | 50.0 | ND | 29.5 | 27.4 | 59.0 | 54.8 | 1 | 27.0-145 | | | 7.38 | 30 |
| Atrazine | 50.0 | ND | 27.5 | 32.8 | 55.0 | 65.6 | 1 | 34.0-147 | | | 17.6 | 28 |
| Benzaldehyde | 50.0 | ND | 92.7 | 91.2 | 185 | 182 | 1 | 10.0-120 | J5 | J5 | 1.63 | 40 |
| Benzo(a)anthracene | 50.0 | ND | 31.5 | 31.5 | 63.0 | 63.0 | 1 | 30.0-138 | | | 0.000 | 26 |
| Benzo(b)fluoranthene | 50.0 | ND | 30.6 | 31.5 | 61.2 | 63.0 | 1 | 28.0-140 | | | 2.90 | 31 |
| Benzo(k)fluoranthene | 50.0 | ND | 29.9 | 36.0 | 59.8 | 72.0 | 1 | 28.0-140 | | | 18.5 | 31 |
| Benzo(g,h,i)perylene | 50.0 | ND | 30.9 | 32.2 | 61.8 | 64.4 | 1 | 26.0-149 | | | 4.12 | 27 |
| Benzo(a)pyrene | 50.0 | ND | 32.1 | 32.0 | 64.2 | 64.0 | 1 | 28.0-139 | | | 0.312 | 29 |
| Biphenyl | 50.0 | ND | 24.1 | 32.1 | 48.2 | 64.2 | 1 | 23.0-130 | | J3 | 28.5 | 27 |
| Bis(2-chloroethoxy)methane | 50.0 | ND | 25.4 | 25.9 | 50.8 | 51.8 | 1 | 19.0-135 | | | 1.95 | 30 |
| Bis(2-chloroethyl)ether | 50.0 | ND | 36.9 | 36.6 | 73.8 | 73.2 | 1 | 10.0-126 | | | 0.816 | 34 |
| 2,2-Oxybis(1-Chloropropane) | 50.0 | ND | 27.9 | 32.6 | 55.8 | 65.2 | 1 | 18.0-128 | | | 15.5 | 35 |
| 4-Bromophenyl-phenylether | 50.0 | ND | 35.3 | 32.5 | 70.6 | 65.0 | 1 | 28.0-146 | | | 8.26 | 30 |
| Caprolactam | 50.0 | ND | 11.0 | 12.0 | 22.0 | 24.0 | 1 | 10.0-120 | | | 8.70 | 37 |
| Carbazole | 50.0 | ND | 29.3 | 32.9 | 58.6 | 65.8 | 1 | 23.0-158 | | | 11.6 | 26 |
| 4-Chloroaniline | 50.0 | ND | 14.4 | 17.3 | 28.8 | 34.6 | 1 | 10.0-137 | | | 18.3 | 33 |
| 2-Chloronaphthalene | 50.0 | ND | 23.0 | 30.8 | 46.0 | 61.6 | 1 | 23.0-134 | | | 29.0 | 32 |
| 4-Chlorophenyl-phenylether | 50.0 | ND | 24.4 | 31.5 | 48.8 | 63.0 | 1 | 32.0-142 | | | 25.4 | 29 |
| Chrysene | 50.0 | ND | 26.3 | 35.2 | 52.6 | 70.4 | 1 | 32.0-144 | | J3 | 28.9 | 27 |
| Dibenz(a,h)anthracene | 50.0 | ND | 30.2 | 32.6 | 60.4 | 65.2 | 1 | 22.0-149 | | | 7.64 | 29 |
| Dibenzofuran | 50.0 | ND | 25.8 | 35.0 | 51.6 | 70.0 | 1 | 17.0-150 | | J3 | 30.3 | 27 |
| 3,3-Dichlorobenzidine | 100 | ND | ND | ND | 0.000 | 0.000 | 1 | 10.0-160 | J6 | J6 | 0.000 | 34 |
| 2,4-Dinitrotoluene | 50.0 | ND | 29.0 | 38.8 | 58.0 | 77.6 | 1 | 30.0-156 | | | 28.9 | 29 |
| 2,6-Dinitrotoluene | 50.0 | ND | 24.4 | 33.7 | 48.8 | 67.4 | 1 | 28.0-143 | | J3 | 32.0 | 30 |
| Fluoranthene | 50.0 | ND | 29.6 | 37.1 | 59.2 | 74.2 | 1 | 31.0-146 | | | 22.5 | 30 |
| Fluorene | 50.0 | ND | 22.7 | 30.0 | 45.4 | 60.0 | 1 | 29.0-143 | | | 27.7 | 31 |
| Hexachlorobenzene | 50.0 | ND | 35.2 | 34.9 | 70.4 | 69.8 | 1 | 29.0-144 | | | 0.856 | 33 |
| Hexachloro-1,3-butadiene | 50.0 | ND | 29.6 | 30.0 | 59.2 | 60.0 | 1 | 18.0-122 | | | 1.34 | 35 |
| Hexachlorocyclopentadiene | 50.0 | ND | 15.8 | 20.8 | 31.6 | 41.6 | 1 | 10.0-146 | | | 27.3 | 34 |
| Hexachloroethane | 50.0 | ND | 19.9 | 27.1 | 39.8 | 54.2 | 1 | 12.0-120 | | | 30.6 | 36 |
| Indeno(1,2,3-cd)pyrene | 50.0 | ND | 30.4 | 35.9 | 60.8 | 71.8 | 1 | 24.0-151 | | | 16.6 | 28 |
| Isophorone | 50.0 | ND | 20.7 | 23.6 | 41.4 | 47.2 | 1 | 22.0-141 | | | 13.1 | 29 |
| 2-Methylnaphthalene | 50.0 | ND | 20.0 | 22.6 | 40.0 | 45.2 | 1 | 13.0-142 | | | 12.2 | 29 |
| Naphthalene | 50.0 | ND | 27.0 | 25.0 | 54.0 | 50.0 | 1 | 19.0-125 | | | 7.69 | 32 |
| 2-Nitroaniline | 50.0 | ND | 19.6 | 24.4 | 39.2 | 48.8 | 1 | 13.0-160 | | | 21.8 | 27 |
| 3-Nitroaniline | 50.0 | ND | 17.0 | 17.2 | 34.0 | 34.4 | 1 | 10.0-160 | | | 1.17 | 26 |
| 4-Nitroaniline | 50.0 | ND | 12.4 | 14.0 | 24.8 | 28.0 | 1 | 17.0-160 | | | 12.1 | 29 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1329239-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1329239-01 03/24/21 18:50 • (MS) R3634408-2 03/24/21 19:12 • (MSD) R3634408-3 03/24/21 19:33

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Nitrobenzene | 50.0 | ND | 32.9 | 39.2 | 65.8 | 78.4 | 1 | 14.0-134 | | | 17.5 | 32 |
| n-Nitrosodiphenylamine | 50.0 | ND | 28.7 | 29.5 | 57.4 | 59.0 | 1 | 16.0-160 | | | 2.75 | 28 |
| n-Nitrosodi-n-propylamine | 50.0 | ND | 26.2 | 32.6 | 52.4 | 65.2 | 1 | 16.0-136 | | | 21.8 | 30 |
| Phenanthrene | 50.0 | ND | 27.1 | 28.4 | 54.2 | 56.8 | 1 | 27.0-137 | | | 4.68 | 28 |
| Benzylbutyl phthalate | 50.0 | ND | 28.1 | 30.6 | 56.2 | 61.2 | 1 | 30.0-147 | | | 8.52 | 27 |
| Bis(2-ethylhexyl)phthalate | 50.0 | ND | 27.7 | 38.9 | 55.4 | 77.8 | 1 | 25.0-140 | | J3 | 33.6 | 26 |
| Di-n-butyl phthalate | 50.0 | ND | 39.6 | 32.8 | 79.2 | 65.6 | 1 | 32.0-146 | | | 18.8 | 27 |
| Diethyl phthalate | 50.0 | ND | 24.2 | 31.3 | 48.4 | 62.6 | 1 | 34.0-149 | | | 25.6 | 26 |
| Dimethyl phthalate | 50.0 | ND | 23.5 | 30.5 | 47.0 | 61.0 | 1 | 29.0-147 | | | 25.9 | 27 |
| Di-n-octyl phthalate | 50.0 | ND | 41.9 | 33.8 | 83.8 | 67.6 | 1 | 24.0-146 | | | 21.4 | 29 |
| Pyrene | 50.0 | ND | 27.3 | 34.1 | 54.6 | 68.2 | 1 | 34.0-140 | | | 22.1 | 27 |
| 4-Chloro-3-methylphenol | 50.0 | ND | 22.5 | 24.3 | 45.0 | 48.6 | 1 | 20.0-138 | | | 7.69 | 28 |
| 2-Chlorophenol | 50.0 | ND | 26.6 | 27.9 | 53.2 | 55.8 | 1 | 11.0-120 | | | 4.77 | 33 |
| 2-Methylphenol | 50.0 | ND | 21.6 | 24.8 | 43.2 | 49.6 | 1 | 14.0-120 | | | 13.8 | 29 |
| 3&4-Methyl Phenol | 50.0 | ND | 20.0 | 24.5 | 40.0 | 49.0 | 1 | 13.0-124 | | | 20.2 | 26 |
| 2,4-Dichlorophenol | 50.0 | ND | 25.0 | 26.1 | 50.0 | 52.2 | 1 | 19.0-135 | | | 4.31 | 32 |
| 2,4-Dimethylphenol | 50.0 | ND | 24.1 | 28.1 | 48.2 | 56.2 | 1 | 18.0-127 | | | 15.3 | 31 |
| 4,6-Dinitro-2-methylphenol | 50.0 | ND | 37.2 | 38.8 | 74.4 | 77.6 | 1 | 10.0-160 | | | 4.21 | 38 |
| 2,4-Dinitrophenol | 50.0 | ND | 37.6 | 39.6 | 75.2 | 79.2 | 1 | 10.0-137 | | | 5.18 | 36 |
| 2-Nitrophenol | 50.0 | ND | 29.4 | 32.3 | 58.8 | 64.6 | 1 | 15.0-143 | | | 9.40 | 33 |
| 4-Nitrophenol | 50.0 | ND | 77.9 | 104 | 156 | 208 | 1 | 10.0-120 | J5 | J5 | 28.7 | 31 |
| Pentachlorophenol | 50.0 | ND | 36.4 | 44.1 | 72.8 | 88.2 | 1 | 10.0-160 | | | 19.1 | 40 |
| Phenol | 50.0 | ND | 11.7 | 12.2 | 23.4 | 24.4 | 1 | 10.0-120 | | | 4.18 | 34 |
| 2,4,5-Trichlorophenol | 50.0 | ND | 29.5 | 37.8 | 59.0 | 75.6 | 1 | 15.0-160 | | | 24.7 | 27 |
| 2,4,6-Trichlorophenol | 50.0 | ND | 24.9 | 35.9 | 49.8 | 71.8 | 1 | 10.0-153 | | J3 | 36.2 | 29 |
| 1,2,4,5-Tetrachlorobenzene | 50.0 | ND | 27.8 | 31.5 | 55.6 | 63.0 | 1 | 10.0-147 | | | 12.5 | 34 |
| (S) Nitrobenzene-d5 | | | | | 47.0 | 48.2 | | 10.0-127 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 47.4 | 63.1 | | 10.0-130 | | | | |
| (S) p-Terphenyl-d14 | | | | | 54.4 | 62.4 | | 10.0-128 | | | | |
| (S) Phenol-d5 | | | | | 21.2 | 20.1 | | 10.0-120 | | | | |
| (S) 2-Fluorophenol | | | | | 25.9 | 34.8 | | 10.0-120 | | | | |
| (S) 2,4,6-Tribromophenol | | | | | 77.0 | 83.0 | | 10.0-155 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3633591-2 03/23/21 19:10

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acenaphthene | U | | 0.0886 | 1.00 |
| Acenaphthylene | U | | 0.0921 | 1.00 |
| Anthracene | U | | 0.0804 | 1.00 |
| Benzo(a)anthracene | U | | 0.199 | 1.00 |
| Benzo(b)fluoranthene | U | | 0.130 | 1.00 |
| Benzo(k)fluoranthene | U | | 0.120 | 1.00 |
| Benzo(g,h,i)perylene | U | | 0.121 | 1.00 |
| Benzo(a)pyrene | U | | 0.0381 | 1.00 |
| Bis(2-chlorethoxy)methane | U | | 0.116 | 10.0 |
| Bis(2-chloroethyl)ether | U | | 0.137 | 10.0 |
| 2,2-Oxybis(1-Chloropropane) | U | | 0.210 | 10.0 |
| 4-Bromophenyl-phenylether | U | | 0.0877 | 10.0 |
| 2-Chloronaphthalene | U | | 0.0648 | 1.00 |
| 4-Chlorophenyl-phenylether | U | | 0.0926 | 10.0 |
| Chrysene | U | | 0.130 | 1.00 |
| Dibenz(a,h)anthracene | U | | 0.0644 | 1.00 |
| 3,3-Dichlorobenzidine | U | | 0.212 | 10.0 |
| 2,4-Dinitrotoluene | U | | 0.0983 | 10.0 |
| 2,6-Dinitrotoluene | U | | 0.250 | 10.0 |
| Fluoranthene | U | | 0.102 | 1.00 |
| Fluorene | U | | 0.0844 | 1.00 |
| Hexachlorobenzene | U | | 0.0755 | 1.00 |
| Hexachloro-1,3-butadiene | U | | 0.0968 | 10.0 |
| Hexachlorocyclopentadiene | U | | 0.0598 | 10.0 |
| Hexachloroethane | U | | 0.127 | 10.0 |
| Indeno(1,2,3-cd)pyrene | U | | 0.279 | 1.00 |
| Isophorone | U | | 0.143 | 10.0 |
| Naphthalene | U | | 0.159 | 1.00 |
| Nitrobenzene | U | | 0.297 | 10.0 |
| n-Nitrosodiphenylamine | U | | 2.37 | 10.0 |
| n-Nitrosodi-n-propylamine | U | | 0.261 | 10.0 |
| Phenanthrene | U | | 0.112 | 1.00 |
| Benzylbutyl phthalate | U | | 0.765 | 3.00 |
| Bis(2-ethylhexyl)phthalate | U | | 0.895 | 3.00 |
| Di-n-butyl phthalate | U | | 0.453 | 3.00 |
| Diethyl phthalate | U | | 0.287 | 3.00 |
| Dimethyl phthalate | U | | 0.260 | 3.00 |
| Di-n-octyl phthalate | U | | 0.932 | 3.00 |
| Pyrene | U | | 0.107 | 1.00 |
| 4-Chloroaniline | U | | 0.234 | 10.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3633591-2 03/23/21 19:10

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| 4-Chloro-3-methylphenol | U | | 0.131 | 10.0 |
| 2-Chlorophenol | U | | 0.133 | 10.0 |
| Dibenzofuran | U | | 0.0970 | 10.0 |
| 2,4-Dichlorophenol | U | | 0.102 | 10.0 |
| 2,4-Dimethylphenol | U | | 0.0636 | 10.0 |
| 4,6-Dinitro-2-methylphenol | U | | 1.12 | 10.0 |
| 2,4-Dinitrophenol | U | | 5.93 | 10.0 |
| 2-Methylnaphthalene | U | | 0.117 | 1.00 |
| 2-Methylphenol | U | | 0.0929 | 10.0 |
| 3&4-Methyl Phenol | U | | 0.168 | 10.0 |
| 2-Nitroaniline | U | | 0.102 | 10.0 |
| 3-Nitroaniline | U | | 0.0869 | 10.0 |
| 4-Nitroaniline | U | | 0.0910 | 10.0 |
| 2-Nitrophenol | U | | 0.117 | 10.0 |
| 4-Nitrophenol | U | | 0.143 | 10.0 |
| Pentachlorophenol | U | | 0.313 | 10.0 |
| Phenol | U | | 4.33 | 10.0 |
| 2,4,5-Trichlorophenol | U | | 0.109 | 10.0 |
| 2,4,6-Trichlorophenol | U | | 0.100 | 10.0 |
| Acetophenone | U | | 0.208 | 10.0 |
| Atrazine | U | | 0.255 | 10.0 |
| Benzaldehyde | U | | 1.69 | 10.0 |
| Biphenyl | U | | 0.790 | 10.0 |
| Caprolactam | U | | 0.309 | 10.0 |
| Carbazole | U | | 0.111 | 10.0 |
| 1,2,4,5-Tetrachlorobenzene | U | | 0.0647 | 10.0 |
| (S) 2-Fluorophenol | 32.0 | | | 10.0-120 |
| (S) Phenol-d5 | 18.5 | | | 10.0-120 |
| (S) Nitrobenzene-d5 | 72.4 | | | 10.0-127 |
| (S) 2-Fluorobiphenyl | 69.7 | | | 10.0-130 |
| (S) 2,4,6-Tribromophenol | 57.0 | | | 10.0-155 |
| (S) p-Terphenyl-d14 | 73.3 | | | 10.0-128 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3633591-1 03/23/21 18:46

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|-----------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Acenaphthene | 50.0 | 32.8 | 65.6 | 70.0-130 | J4 |
| Acenaphthylene | 50.0 | 35.0 | 70.0 | 70.0-130 | |
| Anthracene | 50.0 | 37.3 | 74.6 | 70.0-130 | |
| Benzo(a)anthracene | 50.0 | 38.0 | 76.0 | 70.0-130 | |
| Benzo(b)fluoranthene | 50.0 | 36.8 | 73.6 | 70.0-130 | |
| Benzo(k)fluoranthene | 50.0 | 37.5 | 75.0 | 70.0-130 | |
| Benzo(g,h,i)perylene | 50.0 | 38.8 | 77.6 | 70.0-130 | |
| Benzo(a)pyrene | 50.0 | 40.0 | 80.0 | 70.0-130 | |
| Bis(2-chlorethoxy)methane | 50.0 | 32.4 | 64.8 | 70.0-130 | J4 |
| Bis(2-chloroethyl)ether | 50.0 | 39.9 | 79.8 | 70.0-130 | |
| 2,2-Oxybis(1-Chloropropane) | 50.0 | 37.2 | 74.4 | 70.0-130 | |
| 4-Bromophenyl-phenylether | 50.0 | 35.0 | 70.0 | 70.0-130 | |
| 2-Chloronaphthalene | 50.0 | 35.7 | 71.4 | 70.0-130 | |
| 4-Chlorophenyl-phenylether | 50.0 | 33.5 | 67.0 | 70.0-130 | J4 |
| Chrysene | 50.0 | 36.5 | 73.0 | 70.0-130 | |
| Dibenz(a,h)anthracene | 50.0 | 39.4 | 78.8 | 70.0-130 | |
| 3,3-Dichlorobenzidine | 100 | 80.1 | 80.1 | 70.0-130 | |
| 2,4-Dinitrotoluene | 50.0 | 38.1 | 76.2 | 70.0-130 | |
| 2,6-Dinitrotoluene | 50.0 | 35.8 | 71.6 | 70.0-130 | |
| Fluoranthene | 50.0 | 36.5 | 73.0 | 70.0-130 | |
| Fluorene | 50.0 | 35.5 | 71.0 | 70.0-130 | |
| Hexachlorobenzene | 50.0 | 35.2 | 70.4 | 70.0-130 | |
| Hexachloro-1,3-butadiene | 50.0 | 25.9 | 51.8 | 70.0-130 | J4 |
| Hexachlorocyclopentadiene | 50.0 | 22.5 | 45.0 | 70.0-130 | J4 |
| Hexachloroethane | 50.0 | 33.3 | 66.6 | 70.0-130 | J4 |
| Indeno(1,2,3-cd)pyrene | 50.0 | 37.8 | 75.6 | 70.0-130 | |
| Isophorone | 50.0 | 30.1 | 60.2 | 70.0-130 | J4 |
| Naphthalene | 50.0 | 30.6 | 61.2 | 70.0-130 | J4 |
| Nitrobenzene | 50.0 | 34.2 | 68.4 | 70.0-130 | J4 |
| n-Nitrosodiphenylamine | 50.0 | 38.0 | 76.0 | 70.0-130 | |
| n-Nitrosodi-n-propylamine | 50.0 | 38.6 | 77.2 | 70.0-130 | |
| Phenanthrene | 50.0 | 37.5 | 75.0 | 70.0-130 | |
| Benzylbutyl phthalate | 50.0 | 42.9 | 85.8 | 70.0-130 | |
| Bis(2-ethylhexyl)phthalate | 50.0 | 43.5 | 87.0 | 70.0-130 | |
| Di-n-butyl phthalate | 50.0 | 41.7 | 83.4 | 70.0-130 | |
| Diethyl phthalate | 50.0 | 37.2 | 74.4 | 70.0-130 | |
| Dimethyl phthalate | 50.0 | 37.4 | 74.8 | 70.0-130 | |
| Di-n-octyl phthalate | 50.0 | 40.5 | 81.0 | 70.0-130 | |
| Pyrene | 50.0 | 38.3 | 76.6 | 70.0-130 | |
| 4-Chloroaniline | 50.0 | 32.2 | 64.4 | 70.0-130 | J4 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3633591-1 03/23/21 18:46

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------------|----------------------|--------------------|---------------|------------------|---------------|
| 4-Chloro-3-methylphenol | 50.0 | 27.8 | 55.6 | 70.0-130 | J4 |
| 2-Chlorophenol | 50.0 | 31.1 | 62.2 | 70.0-130 | J4 |
| Dibenzofuran | 50.0 | 35.2 | 70.4 | 70.0-130 | |
| 2,4-Dichlorophenol | 50.0 | 28.7 | 57.4 | 70.0-130 | J4 |
| 2,4-Dimethylphenol | 50.0 | 26.1 | 52.2 | 70.0-130 | J4 |
| 4,6-Dinitro-2-methylphenol | 50.0 | 45.9 | 91.8 | 70.0-130 | |
| 2,4-Dinitrophenol | 50.0 | 42.4 | 84.8 | 70.0-130 | |
| 2-Methylnaphthalene | 50.0 | 28.0 | 56.0 | 70.0-130 | J4 |
| 2-Methylphenol | 50.0 | 25.3 | 50.6 | 70.0-130 | J4 |
| 3&4-Methyl Phenol | 50.0 | 24.7 | 49.4 | 70.0-130 | J4 |
| 2-Nitroaniline | 50.0 | 41.1 | 82.2 | 70.0-130 | |
| 3-Nitroaniline | 50.0 | 39.9 | 79.8 | 70.0-130 | |
| 4-Nitroaniline | 50.0 | 45.3 | 90.6 | 70.0-130 | |
| 2-Nitrophenol | 50.0 | 31.9 | 63.8 | 70.0-130 | J4 |
| 4-Nitrophenol | 50.0 | 13.4 | 26.8 | 70.0-130 | J4 |
| Pentachlorophenol | 50.0 | 37.4 | 74.8 | 70.0-130 | |
| Phenol | 50.0 | 9.94 | 19.9 | 70.0-130 | J4 |
| 2,4,5-Trichlorophenol | 50.0 | 34.7 | 69.4 | 70.0-130 | J4 |
| 2,4,6-Trichlorophenol | 50.0 | 33.2 | 66.4 | 70.0-130 | J4 |
| Acetophenone | 50.0 | 53.6 | 107 | 70.0-130 | |
| Atrazine | 50.0 | 34.6 | 69.2 | 70.0-130 | J4 |
| Benzaldehyde | 50.0 | 103 | 206 | 70.0-130 | J4 |
| Biphenyl | 50.0 | 34.5 | 69.0 | 70.0-130 | J4 |
| Caprolactam | 50.0 | 9.27 | 18.5 | 70.0-130 | J4 |
| Carbazole | 50.0 | 40.7 | 81.4 | 70.0-130 | |
| 1,2,4,5-Tetrachlorobenzene | 50.0 | 28.8 | 57.6 | 70.0-130 | J4 |
| (S) 2-Fluorophenol | | | 32.0 | 10.0-120 | |
| (S) Phenol-d5 | | | 19.7 | 10.0-120 | |
| (S) Nitrobenzene-d5 | | | 65.7 | 10.0-127 | |
| (S) 2-Fluorobiphenyl | | | 71.5 | 10.0-130 | |
| (S) 2,4,6-Tribromophenol | | | 66.5 | 10.0-155 | |
| (S) p-Terphenyl-d14 | | | 72.1 | 10.0-128 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1328203-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1328203-02 03/22/21 19:39 • (MS) R3633577-1 03/22/21 20:02 • (MSD) R3633577-2 03/22/21 20:25

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Acenaphthene | 50.0 | ND | 30.6 | 32.1 | 61.2 | 64.2 | 1 | 25.0-143 | | | 4.78 | 29 |
| Acetophenone | 50.0 | ND | 38.2 | 40.8 | 76.4 | 81.6 | 1 | 10.0-139 | | | 6.58 | 35 |
| Acenaphthylene | 50.0 | ND | 32.2 | 34.5 | 64.4 | 69.0 | 1 | 24.0-149 | | | 6.90 | 29 |
| Anthracene | 50.0 | ND | 34.6 | 36.1 | 69.2 | 72.2 | 1 | 27.0-145 | | | 4.24 | 30 |
| Atrazine | 50.0 | ND | 34.6 | 36.2 | 69.2 | 72.4 | 1 | 34.0-147 | | | 4.52 | 28 |
| Benzo(a)anthracene | 50.0 | ND | 36.0 | 37.2 | 72.0 | 74.4 | 1 | 30.0-138 | | | 3.28 | 26 |
| Benzaldehyde | 50.0 | ND | 68.8 | 74.9 | 138 | 150 | 1 | 10.0-120 | J5 | J5 | 8.49 | 40 |
| Benzo(b)fluoranthene | 50.0 | ND | 34.3 | 35.7 | 68.6 | 71.4 | 1 | 28.0-140 | | | 4.00 | 31 |
| Benzo(k)fluoranthene | 50.0 | ND | 35.3 | 36.4 | 70.6 | 72.8 | 1 | 28.0-140 | | | 3.07 | 31 |
| Benzo(g,h,i)perylene | 50.0 | ND | 37.9 | 39.2 | 75.8 | 78.4 | 1 | 26.0-149 | | | 3.37 | 27 |
| Benzo(a)pyrene | 50.0 | ND | 37.7 | 39.1 | 75.4 | 78.2 | 1 | 28.0-139 | | | 3.65 | 29 |
| Bis(2-chloroethoxy)methane | 50.0 | ND | 27.3 | 29.4 | 54.6 | 58.8 | 1 | 19.0-135 | | | 7.41 | 30 |
| Bis(2-chloroethyl)ether | 50.0 | ND | 29.9 | 30.9 | 59.8 | 61.8 | 1 | 10.0-126 | | | 3.29 | 34 |
| 2,2-Oxybis(1-Chloropropane) | 50.0 | ND | 28.4 | 30.6 | 56.8 | 61.2 | 1 | 18.0-128 | | | 7.46 | 35 |
| 4-Bromophenyl-phenylether | 50.0 | ND | 33.3 | 34.3 | 66.6 | 68.6 | 1 | 28.0-146 | | | 2.96 | 30 |
| Biphenyl | 50.0 | ND | 31.2 | 33.2 | 62.4 | 66.4 | 1 | 23.0-130 | | | 6.21 | 27 |
| 2-Chloronaphthalene | 50.0 | ND | 31.5 | 33.4 | 63.0 | 66.8 | 1 | 23.0-134 | | | 5.86 | 32 |
| 4-Chlorophenyl-phenylether | 50.0 | ND | 33.4 | 35.3 | 66.8 | 70.6 | 1 | 32.0-142 | | | 5.53 | 29 |
| Chrysene | 50.0 | ND | 34.2 | 35.8 | 68.4 | 71.6 | 1 | 32.0-144 | | | 4.57 | 27 |
| Dibenz(a,h)anthracene | 50.0 | ND | 39.1 | 39.8 | 78.2 | 79.6 | 1 | 22.0-149 | | | 1.77 | 29 |
| Caprolactam | 50.0 | ND | 10.6 | 11.2 | 21.2 | 22.4 | 1 | 10.0-120 | | | 5.50 | 37 |
| Carbazole | 50.0 | ND | 35.7 | 37.0 | 71.4 | 74.0 | 1 | 23.0-158 | | | 3.58 | 26 |
| 3,3-Dichlorobenzidine | 100 | ND | 69.5 | 73.0 | 69.5 | 73.0 | 1 | 10.0-160 | | | 4.91 | 34 |
| 2,4-Dinitrotoluene | 50.0 | ND | 34.8 | 36.5 | 69.6 | 73.0 | 1 | 30.0-156 | | | 4.77 | 29 |
| 2,6-Dinitrotoluene | 50.0 | ND | 33.0 | 34.4 | 66.0 | 68.8 | 1 | 28.0-143 | | | 4.15 | 30 |
| Fluoranthene | 50.0 | ND | 34.4 | 35.8 | 68.8 | 71.6 | 1 | 31.0-146 | | | 3.99 | 30 |
| Fluorene | 50.0 | ND | 32.8 | 34.6 | 65.6 | 69.2 | 1 | 29.0-143 | | | 5.34 | 31 |
| Hexachlorobenzene | 50.0 | ND | 34.1 | 34.8 | 68.2 | 69.6 | 1 | 29.0-144 | | | 2.03 | 33 |
| Hexachloro-1,3-butadiene | 50.0 | ND | 28.9 | 31.6 | 57.8 | 63.2 | 1 | 18.0-122 | | | 8.93 | 35 |
| Hexachlorocyclopentadiene | 50.0 | ND | 22.9 | 26.9 | 45.8 | 53.8 | 1 | 10.0-146 | | | 16.1 | 34 |
| Hexachloroethane | 50.0 | ND | 29.6 | 32.2 | 59.2 | 64.4 | 1 | 12.0-120 | | | 8.41 | 36 |
| Indeno(1,2,3-cd)pyrene | 50.0 | ND | 36.6 | 38.0 | 73.2 | 76.0 | 1 | 24.0-151 | | | 3.75 | 28 |
| Isophorone | 50.0 | ND | 25.9 | 27.5 | 51.8 | 55.0 | 1 | 22.0-141 | | | 5.99 | 29 |
| Naphthalene | 50.0 | ND | 28.0 | 30.1 | 56.0 | 60.2 | 1 | 19.0-125 | | | 7.23 | 32 |
| Nitrobenzene | 50.0 | ND | 26.9 | 28.6 | 53.8 | 57.2 | 1 | 14.0-134 | | | 6.13 | 32 |
| n-Nitrosodiphenylamine | 50.0 | ND | 33.4 | 34.9 | 66.8 | 69.8 | 1 | 16.0-160 | | | 4.39 | 28 |
| n-Nitrosodi-n-propylamine | 50.0 | ND | 27.6 | 29.7 | 55.2 | 59.4 | 1 | 16.0-136 | | | 7.33 | 30 |
| Phenanthrene | 50.0 | ND | 33.6 | 35.3 | 67.2 | 70.6 | 1 | 27.0-137 | | | 4.93 | 28 |
| Benzylbutyl phthalate | 50.0 | ND | 38.1 | 39.9 | 76.2 | 79.8 | 1 | 30.0-147 | | | 4.62 | 27 |
| Bis(2-ethylhexyl)phthalate | 50.0 | ND | 38.2 | 40.2 | 76.4 | 80.4 | 1 | 25.0-140 | | | 5.10 | 26 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1328203-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1328203-02 03/22/21 19:39 • (MS) R3633577-1 03/22/21 20:02 • (MSD) R3633577-2 03/22/21 20:25

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Di-n-butyl phthalate | 50.0 | ND | 37.1 | 38.7 | 74.2 | 77.4 | 1 | 32.0-146 | | | 4.22 | 27 |
| Diethyl phthalate | 50.0 | ND | 35.3 | 36.2 | 70.6 | 72.4 | 1 | 34.0-149 | | | 2.52 | 26 |
| Dimethyl phthalate | 50.0 | ND | 35.1 | 36.6 | 70.2 | 73.2 | 1 | 29.0-147 | | | 4.18 | 27 |
| Di-n-octyl phthalate | 50.0 | ND | 35.4 | 37.3 | 70.8 | 74.6 | 1 | 24.0-146 | | | 5.23 | 29 |
| Pyrene | 50.0 | ND | 36.4 | 37.0 | 72.8 | 74.0 | 1 | 34.0-140 | | | 1.63 | 27 |
| 4-Chloroaniline | 50.0 | ND | 29.9 | 30.4 | 59.8 | 60.8 | 1 | 10.0-137 | | | 1.66 | 33 |
| 4-Chloro-3-methylphenol | 50.0 | ND | 28.9 | 30.7 | 57.8 | 61.4 | 1 | 20.0-138 | | | 6.04 | 28 |
| 2-Chlorophenol | 50.0 | ND | 26.4 | 29.4 | 52.8 | 58.8 | 1 | 11.0-120 | | | 10.8 | 33 |
| Dibenzofuran | 50.0 | ND | 33.5 | 34.9 | 67.0 | 69.8 | 1 | 17.0-150 | | | 4.09 | 27 |
| 2,4-Dichlorophenol | 50.0 | ND | 28.8 | 31.4 | 57.6 | 62.8 | 1 | 19.0-135 | | | 8.64 | 32 |
| 2,4-Dimethylphenol | 50.0 | ND | 26.9 | 29.7 | 53.8 | 59.4 | 1 | 18.0-127 | | | 9.89 | 31 |
| 4,6-Dinitro-2-methylphenol | 50.0 | ND | 39.2 | 41.5 | 78.4 | 83.0 | 1 | 10.0-160 | | | 5.70 | 38 |
| 2,4-Dinitrophenol | 50.0 | ND | 34.7 | 36.3 | 69.4 | 72.6 | 1 | 10.0-137 | | | 4.51 | 36 |
| 2-Methylnaphthalene | 50.0 | ND | 28.7 | 29.7 | 57.4 | 59.4 | 1 | 13.0-142 | | | 3.42 | 29 |
| 2-Methylphenol | 50.0 | ND | 22.3 | 25.0 | 44.6 | 50.0 | 1 | 14.0-120 | | | 11.4 | 29 |
| 3&4-Methyl Phenol | 50.0 | ND | 21.6 | 24.7 | 43.2 | 49.4 | 1 | 13.0-124 | | | 13.4 | 26 |
| 2-Nitroaniline | 50.0 | ND | 35.7 | 38.1 | 71.4 | 76.2 | 1 | 13.0-160 | | | 6.50 | 27 |
| 3-Nitroaniline | 50.0 | ND | 33.1 | 35.2 | 66.2 | 70.4 | 1 | 10.0-160 | | | 6.15 | 26 |
| 4-Nitroaniline | 50.0 | ND | 37.1 | 39.1 | 74.2 | 78.2 | 1 | 17.0-160 | | | 5.25 | 29 |
| 2-Nitrophenol | 50.0 | ND | 28.3 | 30.1 | 56.6 | 60.2 | 1 | 15.0-143 | | | 6.16 | 33 |
| 4-Nitrophenol | 50.0 | ND | 10.9 | 12.7 | 21.8 | 25.4 | 1 | 10.0-120 | | | 15.3 | 31 |
| Pentachlorophenol | 50.0 | ND | 33.7 | 35.0 | 67.4 | 70.0 | 1 | 10.0-160 | | | 3.78 | 40 |
| Phenol | 50.0 | ND | ND | 10.5 | 18.1 | 21.0 | 1 | 10.0-120 | | | 14.6 | 34 |
| 2,4,5-Trichlorophenol | 50.0 | ND | 33.3 | 35.8 | 66.6 | 71.6 | 1 | 15.0-160 | | | 7.24 | 27 |
| 2,4,6-Trichlorophenol | 50.0 | ND | 31.8 | 33.8 | 63.6 | 67.6 | 1 | 10.0-153 | | | 6.10 | 29 |
| 1,2,4,5-Tetrachlorobenzene | 50.0 | ND | 33.5 | 34.9 | 67.0 | 69.8 | 1 | 10.0-147 | | | 4.09 | 34 |
| <i>(S) 2-Fluorophenol</i> | | | | | 30.1 | 35.2 | | 10.0-120 | | | | |
| <i>(S) Phenol-d5</i> | | | | | 16.9 | 19.8 | | 10.0-120 | | | | |
| <i>(S) Nitrobenzene-d5</i> | | | | | 52.7 | 57.0 | | 10.0-127 | | | | |
| <i>(S) 2-Fluorobiphenyl</i> | | | | | 65.6 | 70.2 | | 10.0-130 | | | | |
| <i>(S) 2,4,6-Tribromophenol</i> | | | | | 65.5 | 67.0 | | 10.0-155 | | | | |
| <i>(S) p-Terphenyl-d14</i> | | | | | 70.8 | 72.1 | | 10.0-128 | | | | |

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

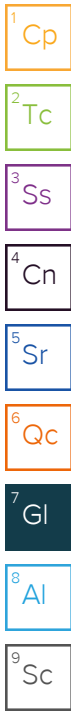
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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 |
|-----------|--|
| B | The same analyte is found in the associated blank. |
| C5 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J4 | The associated batch QC was outside the established quality control range for accuracy. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 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 ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ 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.

¹ Cp

² Tc

³ Ss

⁴ Cn


⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

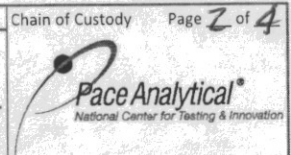
| Company Name/Address: S&ME Inc. - Spartanburg SC | | Billing Information: Scott Dacus 301 Zima Park Drive Spartanburg, SC 29301 | | Pres Chk <i>SD</i> | Analysis / Container / Preservative | | | Chain of Custody Page <i>1</i> of <i>4</i> | | | |
|--|-----------|--|-------|--|-------------------------------------|---|---|--|--|--|---|
| 301 Zima Park Drive Spartanburg, SC 29301 | | Email To: sdacus@smeinc.com | | 8270TCLDSC 100ml Amb NoPres TAL Metals 250mlHDPE-HNO3 V8260TCLSC 40ml/Amb-NoPres | | |  12065 Lebanon Road Mt Juliet, TN 37122 Phone: 615-758-5858 Alt: 800-767-5859 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf SDG # <i>L1328822</i> E225 Table # Acctnum: SMESPAR Template: T148807 Prelogin: P833468 PM: 690 - Tom Mellette PB: <i>76 3-10-21</i> Shipped Via: FedEX Ground | | | | |
| Report to: Scott Dacus | | City/State Collected: <i>SC</i> | | | | | | | | Please Circle: PT MT CT ET | |
| Project Description: New Indy - Catawba | | Client Project # 4213-18-087 | | Lab Project # SMESPAR-4213-18-087 | | Remarks Sample # (lab only) -01 -02 -03 -04 -05 -06 -07 -08 -09 -10 | | | | | |
| Phone: 864-574-2360 | | Site/Facility ID # | | P.O. # <i>4213-18-087</i> | | | | | | | |
| Collected by (print): <i>SCOTT DACUS</i> | | Rush? (Lab MUST Be Notified) | | Quote # | | | | | | | |
| Collected by (signature): <i>[Signature]</i> | | Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___ | | Date Results Needed | | | | | | | |
| Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/> | | No. of Cntrs | | | | | | | | | |
| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | | | | | | |
| R4-MW-1 | <i>G</i> | GW | | <i>3/16/21</i> | <i>0857</i> | 6 | X | X | X | -01 | |
| R4-MW-2 | <i>G</i> | GW | | <i>3/16/21</i> | <i>1019</i> | 6 | X | X | X | -02 | |
| R12-MW-1 | <i>G</i> | GW | | <i>3/15/21</i> | <i>1150</i> | 6 | X | X | X | -03 | |
| R15-MW-1 | <i>G</i> | GW | | <i>3/15/21</i> | <i>1445</i> | 6 | X | X | X | -04 | |
| R15-MW-2 | <i>G</i> | GW | | <i>3/15/21</i> | <i>1308</i> | 6 | X | X | X | -05 | |
| CM-DUP-GW-9 | <i>G</i> | GW | | <i>3/15/21</i> | | 6 | X | X | X | -06 | |
| CM-EB-GW-4 | <i>G</i> | GW | | <i>3/16/21</i> | <i>0921</i> | 6 | X | X | X | -07 | |
| CM-FB-GW-4 | <i>G</i> | GW | | <i>3/16/21</i> | <i>0929</i> | 6 | X | X | X | -08 | |
| R1-MW-3 | <i>G</i> | GW | | <i>3/16/21</i> | <i>1150</i> | 3 | | | X | -09 | |
| R16-MW-1 | <i>G</i> | GW | | <i>3/15/21</i> | <i>1426</i> | 3 | | | X | -10 | |
| * 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: <input checked="" type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> <input type="checkbox"/> N | | |
| Samples returned via: ___ UPS ___ FedEx ___ Courier | | Tracking # <i>9517 5767 0940/0734</i> | | Relinquished by: (Signature) <i>[Signature]</i> | | Date: <i>3/18/21</i> | Time: <i>1700</i> | Received by: (Signature) | Trip Blank Received: Yes / No <i>2</i> HCL / MeoH TBR | If preservation required by Login: Date/Time | |
| Relinquished by: (Signature) | | Date: | Time: | Received by: (Signature) | Temp: <i>16°C</i> | Bottles Received: <i>14</i> | Date: <i>3-18-21</i> | | Time: <i>9:00</i> | Hold: | Condition: NCF / <input checked="" type="checkbox"/> OK |

Company Name/Address: **S&ME Inc. - Spartanburg SC**
 301 Zima Park Drive
 Spartanburg, SC 29301

Billing Information:
 Scott Dacus
 301 Zima Park Drive
 Spartanburg, SC 29301

Report to: **Scott Dacus**
 Email To: **sdacus@smeinc.com**

Project Description: **New Indy - Catawba**
 City/State Collected: **SC**
 Please Circle: **PT MT CT ET**



Client Project # **4213-18-087**
 Lab Project # **SMESPAR-4213-18-087**

Collected by (print): **Scott Dacus**
 Site/Facility ID #
 P.O. # **4213-18-087**

Collected by (signature): *[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
 No. of Cntrs

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs |
|-----------|-----------|----------|-------|---------|------|--------------|
| R18-MW-2 | G | GW | | 3/15/21 | 1321 | 3 |
| R19-MW-2A | G | GW | | 3/15/21 | 1246 | 3 |
| R19-MW-3 | G | GW | | 3/15/21 | 1116 | 3 |
| R23-MW-1 | G | GW | | 3/15/21 | 1006 | 3 |
| R18-MW-1 | G | GW | | 3/15/21 | 1356 | 3 |
| R19-MW-1 | G | GW | | 3/17/21 | 1355 | 3 |
| R31-MW-1 | G | GW | | 3/17/21 | 1132 | 3 |
| R39-MW-1 | G | GW | | 3/17/21 | 1258 | 3 |
| R32-MW-5 | G | GW | | 3/15/21 | 1651 | 3 |
| R28-MW-1 | G | GW | | 3/17/21 | 1045 | 3 |

| Analysis / Container / Preservative | | | | | | | | | |
|-------------------------------------|-----------|--------------|--|--|--|--|--|--|--|
| Analysis | Container | Preservative | | | | | | | |
| 8270TCLDSC | 100ml | Amb NoPres | | | | | | | |
| TAL Metals | 250ml | HDPE-HNO3 | | | | | | | |
| V8260TCLSC | 40ml | Amb-NoPres | | | | | | | |

SDG # **U/328822**

Table #

Acctnum: **SMESPAR**
 Template: **T148807**
 Prelogin: **P833468**
 PM: **690 - Tom Mellette**
 PB: **76 3-10-21**

Shipped Via: **FedEX Ground**

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 _____

Samples returned via: UPS FedEx Courier _____
 Tracking # _____

Sample Receipt Checklist

COC Seal Present/Intact: NP 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) <i>[Signature]</i> | Date: 3/18/21 | Time: 1700 | Received by: (Signature) <i>[Signature]</i> | Trip Blank Received: 2 Yes / No HCL / MeOH TBR |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Temp: 16 °C Bottles Received: 114 |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) <i>[Signature]</i> | Date: 3/19/21 Time: 9:00 Hold: Condition: NCF OK |

Company Name/Address: **S&ME Inc. - Spartanburg SC**
 301 Zima Park Drive
 Spartanburg, SC 29301

Billing Information:
 Scott Dacus
 301 Zima Park Drive
 Spartanburg, SC 29301

Report to: **Scott Dacus**
 Email To: **sdacus@smeinc.com**

Project Description: **New Indy - Catawba**
 City/State Collected: **SC**
 Please Circle: **PT MT CT ET**

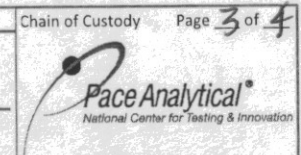
Phone: **864-574-2360**
 Client Project #: **4213-18-087**
 Lab Project #: **SMESPAR-4213-18-087**

Collected by (print): **SCOTT DACUS**
 Site/Facility ID #
 P.O. #: **4213-18-087**

Collected by (signature): *[Signature]*
 Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Immediately Packed on Ice N ___ Y

Date Results Needed
 No. of Cntrs



12065 Lebanon Road Mt Juliet, TN 37122
 Phone: 615-758-5858 Alt: 800-767-5859
 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 # **L1328822**

Table #

Acctnum: **SMESPAR**
 Template: **T148807**
 Prelogin: **P833468**
 PM: **690 - Tom Mellette**
 PB: **7631021**

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | 8270TCLDSC 100ml Amb NoPres | TAL Metals 250ml HDPE-HNO3 | V8260TCLSC 40ml/Amb-NoPres | Analysis / Container / Preservative |
|--------------|-----------|----------|-------|---------|------|--------------|-----------------------------|----------------------------|----------------------------|-------------------------------------|
| R26-MW-1 | G | GW | | 3/17/21 | 1038 | 3 | | X | | |
| GW-9 | G | GW | | 3/17/21 | 0925 | 3 | | X | | |
| R1-MW-2 | G | GW | | 3/16/21 | 1320 | 3 | | X | | |
| DF-MW-1 | G | GW | | 3/17/21 | 0921 | 3 | | X | | |
| DF-MW-2 | G | GW | | 3/17/21 | 1047 | 3 | | X | | |
| DF-MW-3 | G | GW | | 3/15/21 | 1607 | 3 | | X | | |
| DF-MW-4 | G | GW | | 3/16/21 | 1610 | 3 | | X | | |
| CM-DUP-GW-10 | G | GW | | 3/16/21 | | 3 | | X | | |
| CM-FB-GW-5 | G | GW | | 3/17/21 | 1137 | 3 | | X | | |
| TRIP BLANK | | GW | | | | 3 | | X | | |

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

Remarks:

Samples returned via: ___ UPS ___ FedEx ___ Courier
 Tracking #

Relinquished by: (Signature) *[Signature]* Date: **3/18/21** Time: **1700**
 Received by: (Signature) *[Signature]* Trip Blank Received: **2** Yes / No
 HCL / MeOH TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: **16** °C Bottles Received: **114**
4350203

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) *[Signature]* Date: **3-19-21** Time: **9:00**
 Hold: Condition: **NCF OK**

pH ___ Temp ___
 Flow ___ Other ___

Sample Receipt Checklist
 COC Seal Present/Intact: 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

