

2021 Periodic Review Report

Former Utility Platers and Kingston
Diagnostics
BCP No. C356035
Schwenck Drive and Washington Avenue
City of Kingston, Ulster County, New York
Site County, New York

July 2021

Chazen Project No. 41103.20



Prepared for:

New York State Department of Environmental
Conservation
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1.0 EXECUTIVE SUMMARY

On behalf of Woodhaven National Management, LLC, The Chazen Companies, Inc. (Chazen) provides Operations, Maintenance, and Monitoring (OM&M) support for existing remedial systems at the former Utility Platters, Inc./Kingston Diagnostics facility in Kingston, New York (the "Site"). The Site is identified as Brownfield Cleanup Program (BCP) Site No. C356035 and currently houses a CVS pharmacy. A Site Location Map is included as **Figure 1**.

This Periodic Review Report summarizes site conditions and recent on-site treatment system data with respect to the Remedial Action Objectives for the Site and the results, analysis, and conclusions for system operations parameters data and environmental media sampling, collected for the period July 1, 2020 through July 1, 2021. The Site Management Periodic Review Report Notice and Institutional and Engineering Controls Certification Form, signed appropriately, are attached in **Appendix B**.

1.1 Remedial History

The remedy for this site included the 2009 removal of volatile organic compound (VOC) impacted soils from beneath the former on-site Utility Platers building and adjacent areas, the closure and removal of three fuel oil underground storage tanks (USTs) and related petroleum impacted soil, the installation of a sub-slab depressurization (SSDS) system beneath the constructed CVS building, and construction of an impermeable site soil cover system. Trichloroethylene, associated daughter products, and select metals are primary site compounds of concern.

1.2 Effectiveness of Remedial Program

- Source soil was removed in 2009. Remaining VOC concentrations in soils at the excavation margin were mostly below Part 375 Restricted Residential Use (RRU) Soil Cleanup Objectives (SCOs).
- Post-remedy groundwater monitoring for CVOCs and dissolved priority pollutant metals suggests that associated remaining groundwater quality impacts are substantially confined to the site. All data are posted on **Table 2**.
 - MW-1 is situated nearest to the former source area. Total CVOC concentrations have remained over 50,000 ppb since 2019. Impacts are localized, as indicated by sampling in adjacent site perimeter well MW-7 with Total CVOCs less than 60 ppb equal to approximately 0.1% of concentrations in MW-1.
- MW-2 lies in a downgradient site boundary location. CVOC impacts in MW-2 have consistently been less than 50 parts per billion (ppb) since 2015. The CVOC concentration have been essentially non-detectable since June 2020 (0.21 ppb in March 2021)
- MW-5 is cross gradient to former source areas. CVOCs in groundwater rose through 2015 and then fell back to vary about an average of approximately 100 ppb. The March 2021 total CVOC concentration was 110.88 ppb.
- Dissolved metals in groundwater have generally decreased over time in perimeter monitoring locations.
- The operational condition of the SSDS is observed twice annually and screened with a photo-ionization detector. Results indicated operational equipment conditions. The most recent post-remedy indoor air sampling was conducted in March 2017, confirming effectiveness of the SSDS.

Per correspondence with NYSDEC allowing a reduced air sampling schedule, the next routine post-remedy air sample will be collected in March 2022.

- The site cover system remains in place to prevent human or ecological contact with soils or groundwater. The cover system consists of a building footprint and pavement.

1.3 Compliance

The SSDS has been operating as intended/designed, no breaching of the impermeable soil cover has been observed, and groundwater monitoring wells remain operational. The SSDS system was operating normally during the site inspection conducted during this monitoring period.

1.4 Recommendations

Chazen recommends continued semi-annual monitoring of three wells MW-1, MW-2 and MW-5 in accordance with the current monitoring and inspection schedule, sufficient to monitor the continuing CVOC and metals attenuation occurring at this Site. We also recommend continued annual monitoring of well MW-7 as a downgradient property boundary sentinel well nearest to the original source area near MW-1.

The SSDS appears to be functioning as designed/expected and no alterations are recommended at this time. As the required frequency of air quality sampling has been reduced to once every five years per the schedule defined in the SMP, the next air quality sample is due in March/April 2022.

2.0 SITE OVERVIEW

2.1 Site Location and Pre-Remedy Conditions

The site is a 1.73-acre parcel located in a commercial area of the City of Kingston, Ulster County, New York. The site is bounded by Schwenck Drive to the north, Trailways Bus Terminal to the south, Esposito's Dry Cleaning to the east, and Washington Avenue to the west. The current main site features include one commercial retail building occupied as a CVS retail store and pharmacy. A Site Layout Map is included as **Figure 2**. The site formerly contained a masonry block structure known as Utility Platers and a commercial medical office building known as Kingston Diagnostics.

Prior uses of the Site, primarily handling/storage/disposal practices at the former Utility Platers facility, appear to have resulted in impacts to on-site soils and groundwater from the release of the chlorinated solvents trichloroethylene (TCE). TCE as well as daughter products 1,2-dichloroethylene (1,2-DCE) and vinyl chloride (VC) are now present on site. Groundwater impacts extended from the Utility Platers parcel onto the adjacent Kingston Diagnostics parcel, both of which were combined to form the BCP site currently occupied by the CVS retail/pharmacy facility.

2.2 Chronology of Remedial Program

The site remedy was implemented by DT Consulting Services, Inc. in accordance with the NYSDEC-approved Interim Remedial Measure Work Plan dated July 2009. The following is a summary of Remedial Actions and IRMs performed at the site in the BCP:

- Excavation of soil and fill exceeding Restricted-Residential Use (RRU) Soil Cleanup Objectives (SCOs) encountered during historical site investigations including during the remedial investigation (RI). Impacted materials were excavated from areas beneath and downgradient of the former Utility Platers facility to a depth of 10 to 12 feet below the ground surface (bgs) totaling 4,563 tons of material excavated and removed from the site (September 2009).
- Closure and removal of three No. 2 fuel oil underground storage tanks (USTs) and excavation and removal of approximately 350 tons of related petroleum-impacted soil (September 2009).
- Installation of a Sub-slab Depressurization System (SSDS) to remove VOC vapors from beneath the newly completed site structure (June 2010).
- Construction and maintenance of a soil cover system consisting of asphalt pavement to prevent infiltration of storm water into the plume area, to prevent human exposure to remaining impacted soil/fill at the site, and to extend an impermeable surface over the SSDS footprint for vapor control optimization.
- Execution and recording of an Environmental Easement to restrict land use to prevent future human and environmental exposure to residual site contaminants.
- Development and implementation of a Site Management Plan (SMP) for long term management of remaining impacts as required by the Environmental Easement including: 1) Institutional and Engineering Controls; 2) Monitoring; 3) Operation and Maintenance of the SSDS; and 4) Reporting.

These remedial activities were completed at the site between September 2009 and October 2010.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

3.1 Routine Groundwater Monitoring

Routine groundwater monitoring was conducted in accordance with the Department-approved SMP dated September 2010, the Certificate of Completion (COC) dated December 3, 2010 and correspondence from NYSDEC dated September 18, 2013. Semi-annual monitoring events included the collection and analysis of groundwater from three on-site monitoring wells (MW-1, MW-2, MW-5) and an annual sample from well MW-7 (see **Figure 2**). Per NYSDEC correspondence dated October 19, 2020, well MW-6 was also sampled in October 2020.

Groundwater samples were most recently collected on October 22, 2020 and March 25, 2021, using methodologies consistent with the approved Field Sampling Plan (FSP). The FSP was modified in 2018 following Department approval to switch from purging/sampling wells via disposable bailers to low-flow sampling techniques using a peristaltic pump. The field sampling sheets are in **Appendix A**. Samples were collected in laboratory-provided sample jars and immediately chilled. Duplicate samples were also collected from MW-1 during both sampling events.

The groundwater samples from wells MW-1, MW-2 and MW-5 were analyzed for VOCs via USEPA Method 8260 and for priority pollutant metals via USEPA Methods 6010 and 7473. Samples from MW-1 were also analyzed for (field-filtered) dissolved metals due to observed sample turbidity. The samples from wells MW-6 (October 2020) and MW-7 (March 2021) were each only analyzed for VOCs via USEPA Method 8260. The SMP also included the sampling of semi-volatile organic compounds (SVOCs); however, based on the general absence of SVOCs detected in historic groundwater samples and the low solubility of SVOCs in groundwater, the Department previously agreed to exclude SVOCs analyses from the post-COC sampling events. The laboratory provided ASP Category B deliverable data packages, which were submitted for data validation to Laboratory Data Consultants (LDC) of Carlsbad, California. The laboratory reports and DUSRS are attached electronically in **Appendix C**.

- **Table 2** compares groundwater sampling results to groundwater quality standards and total CVOC concentrations are shown on **Figure 2**.
- Post-remedy groundwater monitoring for CVOCs and dissolved priority pollutant metals suggests that associated remaining groundwater quality impacts are substantially confined to the site. All data are posted on **Table 2**.
 - MW-1 is situated nearest to the former source area. Total CVOC concentrations have remained over 50,000 ppb since 2019. Impacts are localized, as indicated by sampling in adjacent site perimeter well MW-7 with Total CVOCs less than 60 ppb equal to approximately 0.1% of concentrations in MW-1.
 - MW-2 lies in a downgradient site boundary location. CVOC impacts in MW-2 have consistently been less than 50 parts per billion (ppb) since 2015. The CVOC concentration have been essentially non-detectable since June 2020 (0.21 ppb in March 2021)
 - MW-5 is cross gradient to former source areas. CVOCs in groundwater rose through 2015 and then fell back to vary about an average of approximately 100 ppb. The March 2021 total CVOC concentration was 110.88 ppb.

Analytical results show some metals concentrations greater than groundwater quality standards but generally within or below historic ranges for these analytes. Metals results for well MW-1 were non-detectable at laboratory detection limits (a field-filtered aliquot due to sample turbidity). Well MW-2

contained only a trace of lead (below NYSDEC standards). Selenium concentrations were within historic ranges in well MW-5. These results suggest that metals concentrations are stable or slowly attenuating at this site, and based on dissolved results from MW-1, previous elevated un-filtered metals results may have been influenced by sample turbidity.

3.3 Site Inspection and Sub-Slab Depressurization System

The SSDS system has operated nearly continuously since start-up in 2010. Chazen used a photo-ionization detector (PID) to screen the bulk concentration of VOCs in the airstream during the October 2020 and March 2021 site visits, and results were 0.0 ppm for both events. The recorded bulk VOC concentration was below the detection limit of the instrument. The next routine post-remedy air sample will be collected in March 2022.

4.0 INSTITUTIONAL CONTROL/ENGINEERING CONTROL COMPLIANCE REPORT

4.1 IC/EC Requirements and Compliance

The following IC/ECs are in place at the site:

1. A Composite Cover System- exposure to remaining contamination in soil/fill at the site is prevented by a combination of a minimum of 24 inches of clean soil, asphalt pavement, concrete sidewalks or the concrete building slab. The visual integrity of this system is reviewed during each annual site inspection and noted on a Site Inspection Report (**Appendix A**). An Excavation Work Plan presented in the SMP outlines procedures required in the event that the cover system is observed to be breached, penetrated, or any underlying contaminated material is disturbed. Based on the June 2020 inspection, the cover appears to be in-place and does not appear to have been breached.
2. SSDS- An active SSDS was installed on the property in 2010 and contains a blower unit continuously depressurizing a sub-slab gravel layer with slotted PVC piping. The blower vents through the roof of the building, continuously vacuuming air from beneath the sub-slab to draw any impacted air past occupied spaces. Procedures for operating and maintaining the SSDS are documented in the O&M Plan of the SMP. The SSDS is evaluated through an annual inspection of the system and through collection of an air quality sample once every five years. Copies of the annual system inspection forms, as well as a photo log of present site conditions are included in **Appendix A** and figures of the SSDS design and detail are included as **Figures 4 and 4A**.
3. Groundwater Monitoring-Monitored Natural Attenuation – Post-remedy groundwater monitoring activities to assess ongoing natural attenuation are conducted semi-annually, and will continue until residual groundwater concentrations are less than groundwater quality standards or become asymptotic at an acceptable level to the NYSDEC. This report documents groundwater monitoring results.
4. The property may be used for “Restricted-residential use,” “Commercial use” and/or “Industrial use” as described within 6 NYCRR Part 375-1.8(g)(2)(ii), (iii) and (iv). The property continues to be used for commercial purposes.
5. Data and information pertinent to the SMP of the Controlled Property must be reported at the frequency and manner defined in the SMP. This report provides the required annual PRR submittal.
6. Access to the Site must be provided to agents, employees or other representatives of the state of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

4.2 IC/EC Certification

The EC/IC Certification forms are included in **Appendix B**.

5.0 MONITORING PLAN COMPLIANCE REPORT

5.1 Components of the Monitoring Plan

The Monitoring Plan included sampling of five existing groundwater monitoring wells on a semi-annual basis for the first two years following completion of remedial activities in late 2010, annual sampling of indoor air and SSDS discharge for the first five years followed by sampling every five years thereafter until year 15, and annual visual inspection of the impermeable cover system. NYSDEC authorized the decommissioning of monitoring wells MW-3 and MW-4 in 2013 and reduced the indoor air sampling frequency to every five years in 2015. The remaining monitoring plan components are as follows:

1. Three monitoring wells (MW-1, MW-2 and MW-5) monitor up- and down-gradient conditions at the site. Groundwater sampling is typically conducted semi-annually in March/April and October/November. Well sampling activities are logged on field data sheets (**Appendix A**), which serve as the inspection form for the well network. Groundwater samples are analyzed for VOCs and priority pollutant metals. Wells are inspected during each sampling event. If an event renders the wells unusable, or if the approval is granted that well sampling is no longer required, they will be properly decommissioned and/or replaced. The NYSDEC will be notified prior to any well repair or decommissioning. Monitoring well MW-7, situated as an inspection well adjoining MW-1, is sampled once annually for CVOCs.
2. SSDS discharge screening is performed at least annually by taking a PID reading of the effluent. Laboratory SSDS outfall sampling is conducted once every five years, during the heating season. SSDS servicing and sampling activities are recorded in the designated field book and field logs. IAQ samples are analyzed for VOCs via USEPA Method TO-15. The SSDS system is also inspected twice-annually to determine if it is functioning properly, if there is foundation damage or building defects that could reduce its effectiveness, and to assess blower conditions. The next indoor air sample will be collected in March 2022.
3. A site-wide inspection of the facility is conducted at least annually in April as well as after a severe weather condition that may affect ECs or monitoring devices. An inspection form is completed after each inspection (**Appendix A**). The inspection assesses compliance with ICs and site usage; condition and continued effectiveness of ECs; general site conditions, site management activities being conducted, and compliance with the O&M Plan.

5.2 Summary of Monitoring Completed During Reporting Period

Monitoring completed during the reporting period (October 2020 and March 2021) has included two groundwater sampling events of four of the five remaining on-site wells, two inspections of the SSDS and two site-wide inspections. Groundwater sampling points are depicted on **Figure 2**. **Table 1** provides groundwater elevations for each sampling event. **Table 2** shows available pre-remediation groundwater data (2009), and post-remediation groundwater sampling data to the present. Field sampling sheets and copies of the Site-Wide Inspection Forms and SSDS Inspection Forms, as well as a photo log of present site conditions are attached in **Appendix A**.

5.3 Comparisons with Remedial Objectives

Soil

- Post excavation sampling completed during the remedy and IRMs confirmed that Track 4 Restricted Residential SCOs were met for most post-excavation soil samples. Post-excavation soil sampling revealed that most remaining soil met Restricted Residential SCOs.
- Soil samples obtained from CB-1 (MW-6) and CB-2 (MW-7) during the March 2018 limited investigation did not identify CVOCs concentrations exceeding Part 375 SCOs.

Groundwater

- Dissolved CVOCs in sampled monitoring wells remain above groundwater standards (**Table 2**).
- MW-2 and MW-7 lie at the downgradient site boundary. CVOC impacts in both have consistently been less than 60 parts per billion (ppb) since 2015. CVOC concentrations in MW-2 essentially non-detectable in 2020 (0.21 ppb in March 2021)
- MW-5 is cross gradient to former source areas. Dissolved CVOCs rose through 2015 and then fell back to vary around an average of approximately 100 ppb. The March 2021 total CVOC concentration was 110.88 ppb.
- MW-1 is situated nearest to the immediate former source area. MW-1 is situated nearest to the former source area. Total CVOC concentrations have remained over 50,000 ppb since 2019.
- Analytical results for metals identified only selenium over standards in well MW-5, at a concentration within the historic range for this location. Well MW-2 contained only a trace of lead and well MW-1 was non-detectable for metals in a field-filtered aliquot, suggesting that sample turbidity may have influenced previous elevated un-filtered metals results. In general dissolved metals in site groundwater samples are stable or attenuating.

Indoor Air

- The SSDS system was last inspected in March 2021 and appears to be functioning normally. The next air quality sample event is due to be conducted in March 2022.

5.4 Monitoring Deficiencies

No monitoring deficiencies were identified during the sampling and reporting period.

5.5 Conclusions and Recommendations for Changes

Chazen recommends continued monitoring of wells MW-1, MW-2 and MW-5 in accordance with the current monitoring and inspection schedule, sufficient to monitor the continuing VOC attenuation occurring at this Site. We recommend continuing annual CVOC monitoring of well MW-7 adjacent to and downgradient of MW-1.

Indoor air quality sampling once every five years (next event March 2022) should be maintained as well as general O&M of the site's paved surfaces.

6.0 OPERATION AND MAINTENANCE (O&M) PLAN COMPLIANCE REPORT

6.1 Components of the O&M Plan

The O&M Plan presented in the SMP includes the steps necessary to operate and maintain the on-site SSDS and include an O&M contingency plan. Non-mechanical ECs (i.e., soil cover system) are discussed in the EC/IC Control Plan.

The SSDS has operated at the site continuously since start-up on May 15, 2010. The system includes a vapor barrier, gravel layer, slotted vent pipe network, riser pipe with roof vent and in-line fan. The system must remain powered at all times to operate successfully and a control box is locked securely to prevent unauthorized shut off.

Routine operation of the blower unit includes ensuring availability of a continuous power source to the blower motor and confirmation that the piping does not leak or have blockages. Routine equipment maintenance is to be conducted as needed and includes annual inspection and cleaning of the vapor riser pipe outlets, and collection and analyses of air quality samples per the annual sampling schedule. Non-routine equipment maintenance would include cutting through the concrete floor slab to install new equipment or make other building modifications to maintain the integrity and performance of the SSDS. In the event of a non-routine condition (i.e., system damage or reduced effectiveness which would initiate a red warning light, and/or system component replacements), the Site owner will notify the NYSDEC within 24 hours and proceed with the needed maintenance and/or repair.

6.2 Summary of O&M Completed During Reporting Period

SSDS inspections were conducted in October 2020 and March 2021. No deficiencies in the system were noted which required maintenance or repair from the prior June 2020 inspection through the current period.

6.3 Evaluation of Remedial Systems

Based on the results of the annual monitoring of the SSDS, the SSDS appears to be performing as designed/expected.

6.4 O&M Deficiencies

No O&M deficiencies were noted during the reporting period. Bollards installed near well MW-1 appear to have alleviated surface rutting concerns in this area.

6.5 Conclusions and Recommendations for Improvement

The SSDS appears to be functioning as designed/expected. There are no recommendations for changes to the O&M Plan at this time.

7.0 OVERALL PERIODIC REVIEW REPORT CONCLUSIONS AND RECOMMENDATIONS

7.1 Compliance with the Site Management Plan

IC/ECs in place at the site include an active SSDS and an impermeable cover system.

- Inspection of the SSDS during October 2020 and March 2021 indicate that the SSDS is operating as designed/expected. No maintenance of the system has occurred or was found to be necessary during the reporting period.
- Site-wide inspections conducted in October 2020 and March 2021 indicate that groundwater monitoring wells are in place and in good condition and that no visible breaches in the impermeable cover were noted. In addition, the site is currently occupied as a CVS retail store and pharmacy which is in compliance with the allowed uses of the site.
- Groundwater monitoring was conducted in October 2020 and March 2021. The SMP schedule has been satisfied for this monitoring period.

7.2 Performance and Effectiveness of the Remedy and Recommendations

- Semi-annual groundwater monitoring suggests that remaining impacts have been reduced in most locations since implementation of the remedy. Dissolved CVOCs have risen in the location of MW-1 while falling or remaining stable elsewhere on site. Results from well MW-6 and MW-7 suggest the impacts at MW-1 remain localized.
- SSDS monitoring and air quality results indicate that the SSDS is working effectively.

The combined results of the site inspection, groundwater sampling, and annual SSDS inspection suggest that the remedy continues to protect the environment and public health.

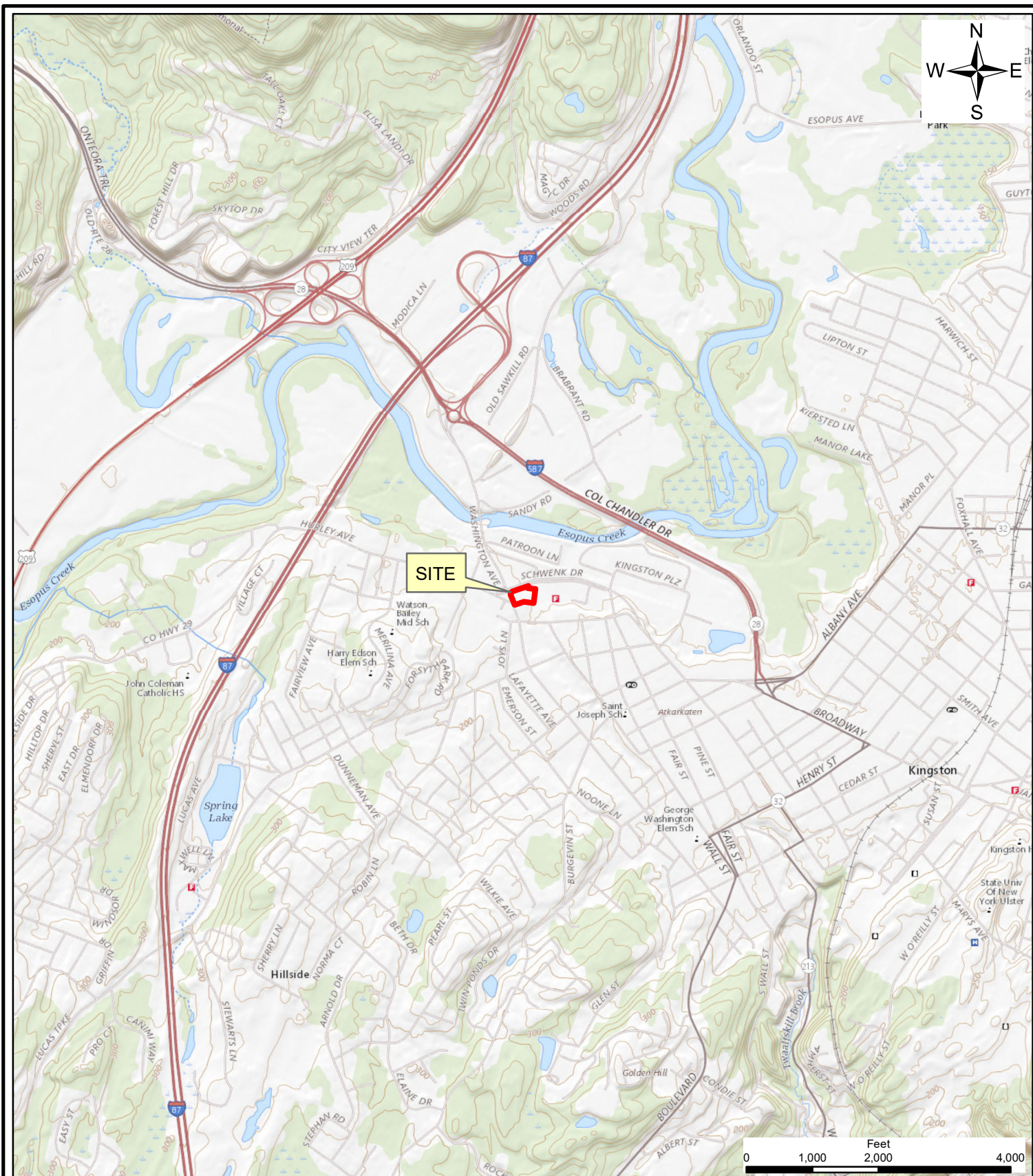
Chazen recommends performing scheduled semi-annual sampling in October/November 2021 and March/April 2022.

No other recommendations for changes to the O&M or monitoring plans are warranted at this time.

7.3 Future PRR Submittals

Monitoring for the eleventh reporting period will include semi-annual groundwater monitoring, SSDS monitoring, and a site-wide inspection. An annual report will be submitted to the NYSDEC for these events in July 2022.

FIGURES



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**Former Utility Platers / Kingston Diagnostics Site
(NYSDEC Site No. C356035)**

Figure 1: Site Location Map
416 Washington Avenue / 167 Schwenck Drive
City of Kingston, Ulster County, New York

Source: USGS The National Map topographic and political data (server based), accessed 05/18/2021;
Ulster County Office of Real Property Services 2007 tax parcel data.

Drawn:	EJO
Date:	05/18/2021
Scale:	1:24,000
Project:	41103.20
Figure:	01

NOTE: Total CVOC concentrations posted on this figure are based on results of samples collected 3/25/2021, except for MW-06 (which was sampled on 10/22/2020).



LEGEND

- Decommissioned Monitoring Well
- ✚ Active Monitoring Well
(Total CVOC Concentration, ug/L)

Source: i-Cubed Nationwide Prime orthoimagery program data (server based), accessed 05/18/2021; Ulster County Office of Real Property Services 2007 tax parcel data; other site features drawn by Chazen based on field research conducted 2011-2021.



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Former Utility Platers / Kingston Diagnostics Site
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Figure 2: Site Layout and Groundwater CVOC Concentrations Map

416 Washington Avenue / 167 Schwenck Drive
City of Kingston, Ulster County, New York

Drawn:	EJO
Date:	05/18/2021
Scale:	1:600
Project:	41103.20
Figure:	02

NOTE: Groundwater elevations were calculated based on depths to water measured on March 25, 2021.

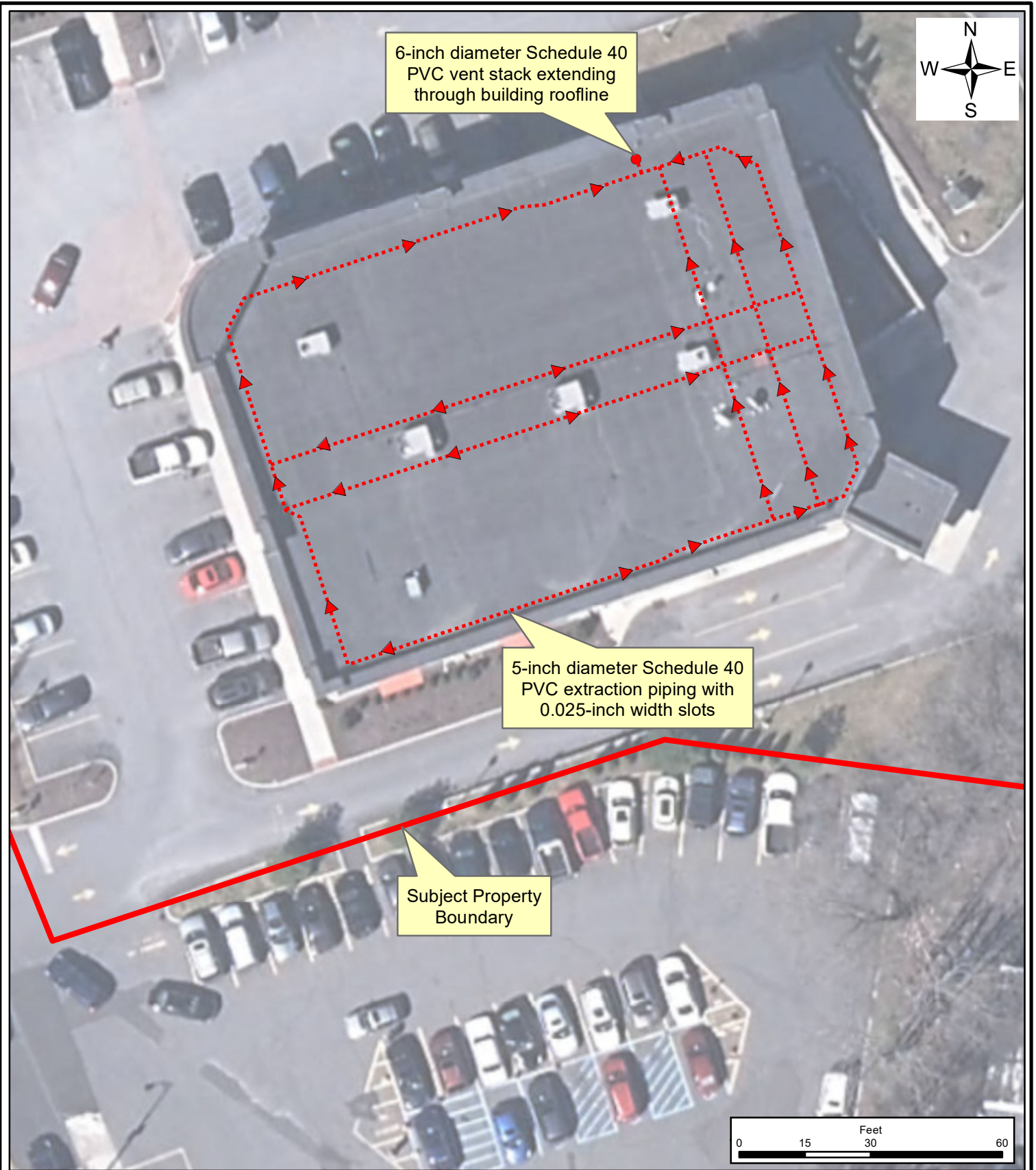


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Former Utility Platers / Kingston Diagnostics Site
(NYSDEC Site No. C356035)
Figure 3: Groundwater Elevation / Contour Map
416 Washington Avenue / 167 Schwenck Drive
City of Kingston, Ulster County, New York
Source: i-Cubed Nationwide Prime orthoimagery data (server based), accessed 07/23/2021;
Ulster County Office of Real Property Services 2007 tax parcel data;
other site features drawn by Chazen based on field work conducted 2011-2021.

Drawn:	EJO
Date:	07/23/2021
Scale:	1:600
Project:	41103.20
Figure:	03



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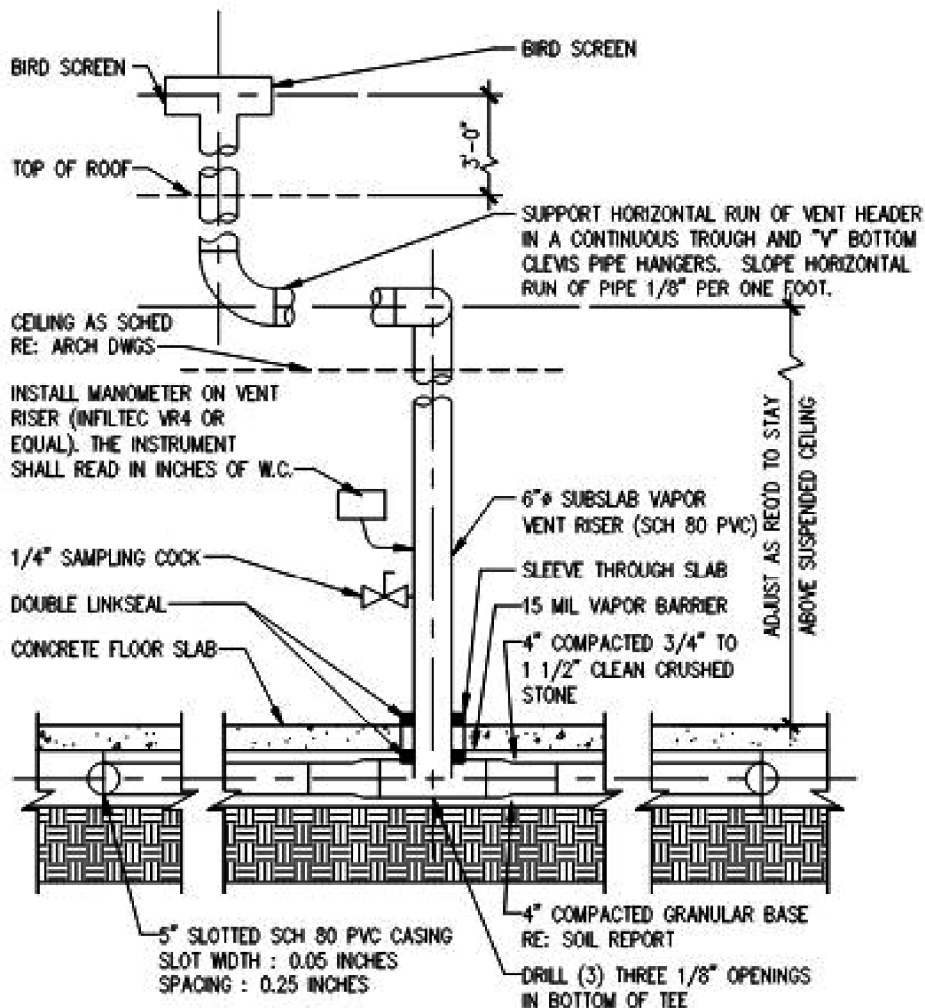
**Former Utility Platers / Kingston Diagnostics Site
(NYSDEC Site No. C356035)**

Figure 4: SSDS Layout Map

416 Washington Avenue / 167 Schwenck Drive
City of Kingston, Ulster County, New York

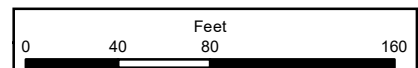
Source: i-Cubed Nationwide Prime orthoimagery data (server based), accessed 05/18/2021;
Ulster County Office of Real Property Services 2007 tax parcel data;
SSDS layout drawn from plan prepared by Larson Design Group, dated 13 July 2009.

Drawn:	EJO
Date:	05/18/2021
Scale:	1:360
Project:	41103.20
Figure:	04



2
S-1.2

SSD SYSTEM VAPOR VENT RISER



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**Former Utility Platers / Kingston Diagnostics Site
(NYSDEC Site No. C356035)**

Figure 4A: SSDs Vapor Vent Detail

416 Washington Avenue / 167 Schwenck Drive
City of Kingston, Ulster County, New York

Source: Adapted from plan prepared by Larson Design Group, dated 13 July 2009.

Drawn:	EJO
Date:	05/18/2021
Scale:	Not to Scale
Project:	41103.20
Figure:	04A

TABLES

Table 1: Monitoring Well and Groundwater Elevations

BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics (Current CVS Building)

Washington Avenue and Schwenck Drive, City of Kingston, Ulster County, New York

Well ID	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)						
		4/20/2011	10/20/2011	3/27/2012	10/9/2012	3/11/2013	10/25/2013	3/26/2014
MW-1	164.70	150.47	150.36	149.80	149.67	150.26	149.61	150.67
MW-2	160.56	148.06	148.02	143.37	143.91	145.70	142.34	147.19
MW-3	158.75	153.17	153.32	151.54	152.03	151.72	NA	NA
MW-4	168.32	162.40	162.48	161.75	161.80	162.10	NA	NA
MW-5	162.51	155.67	155.88	154.03	154.14	154.08	153.47	154.57
MW-6	165.62	NA	NA	NA	NA	NA	NA	NA
MW-7	159.93	NA	NA	NA	NA	NA	NA	NA

NOTES:

1) AMSL = Above Mean Sea Level

2) Top of Casing Elevations were obtained from a site survey map dated June 2, 2010 and created by Brinner and Larios.

3) NA - groundwater elevation not applicable, as well was abandoned.

Table 1: Monitoring Well and Groundwater Elevations

BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics (Current CVS Building)

Washington Avenue and Schwenck Drive, City of Kingston, Ulster County, New York

Well ID	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)						
		10/3/2014	4/6/2015	10/16/2015	3/16/2016	3/23/2017	11/13/2017	3/5/2018
MW-1	164.70	148.91	149.86	149.29	148.43	149.55	149.32	150.51
MW-2	160.56	145.02	145.06	143.00	143.23	146.45	142.96	147.72
MW-3	158.75	NA	NA	NA	NA	NA	NA	NA
MW-4	168.32	NA	NA	NA	NA	NA	NA	NA
MW-5	162.51	152.92	153.81	154.21	153.88	154.89	153.94	154.29
MW-6	165.62	NA	NA	NA	NA	NA	NA	151.05
MW-7	159.93	NA	NA	NA	NA	NA	NA	150.51

NOTES:

1) AMSL = Above Mean Sea Level

2) Top of Casing Elevations were obtained from a site survey map dated June 2, 2010 and created by Brinner and Larios.

3) NA - groundwater elevation not applicable, as well was abandoned.

Table 1: Monitoring Well and Groundwater Elevations

BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics (Current CVS Building)

Washington Avenue and Schwenck Drive, City of Kingston, Ulster County, New York

Well ID	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)					
		11/1/2018	3/28/2019	10/29/2019	6/1/2020	10/22/2020	3/25/2021
MW-1	164.70	149.60	150.12	149.17	149.39	148.91	149.83
MW-2	160.56	146.09	146.93	147.75	144.71	142.77	150.33
MW-3	158.75	NA	NA	NA	NA	NA	NA
MW-4	168.32	NA	NA	NA	NA	NA	NA
MW-5	162.51	154.36	153.93	153.30	153.19	152.72	153.98
MW-6	165.62	NA	NA	NA	NA	149.68	NA
MW-7	159.93	NA	150.00	NA	149.43	NA	149.83

NOTES:

1) AMSL = Above Mean Sea Level

2) Top of Casing Elevations were obtained from a site survey map dated June 2, 2010 and created by Brinner and Larios.

3) NA - groundwater elevation not applicable, as well was abandoned.

Table 2: Groundwater Monitoring Data
 BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
 Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-1							
Sample Date				12/23/2009	4/20/2011	4/20/2011 (MW-DUP)	10/20/2011	10/20/2011 (MW-DUP)	3/27/2012	3/27/12 (MW-DUP)	10/9/2012
Analyte		Units	Part 703 Groundwater	Pre-Remedy Results	Post-Remedy Results						
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	--	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	3	1.2 J	1.2 J	2.8 J	2.8 J	1.3 J	1.3 J	1.7 J
	1,1,2,2-Tetrachloroethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	--	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		5*	23	3.8 J	3.7 J	5.3	5.8	6.4	6.2	7.5
	1,1-Dichloroethylene		5*	38	3.1 J	3.5 J	3.4 J	3.4 J	8.2	7.6	5.5
	1,1-Dichloropropylene		NS/5	--	ND	ND	ND	ND	ND J	ND J	ND
	1,2,3-Trichlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		0.04	--	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene		5*	16	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	8,435	1,026	629	1,624	1,324	1,975	2,070	1,029
	1,2-Dichloropropane		1	--	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	4	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	--	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	--	ND	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene		5*	--	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	--	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	--	ND	ND	ND	ND	ND J	ND J	ND
	Carbon Tetrachloride		5	--	ND	ND	ND	ND	ND J	ND J	ND
	Chlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	--	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	--	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene		0.4**	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	--	ND	ND	ND	ND	R	R	ND
	Ethylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	--	ND	ND	ND	ND	ND	ND	ND
	Isopropylbenzene		5*	1	ND	ND	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	--	ND	ND	ND	ND	ND J	ND J	ND
	Methylene chloride		5*	6	3.4 JB	4.0 JB	4.5 JB	4.4 JB	ND	ND	ND
	Naphthalene		10	1	ND	ND	ND	ND	ND J	ND J	ND
	n-Butylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	n-Propylbenzene		5*	2	ND	ND	ND	ND	ND	ND	ND
	o-Xylene		5*	2	ND	ND	ND	ND	ND	ND	ND
	p-&m-Xylenes		5*	2	ND	ND	ND	ND	ND	ND	ND
	p-Isopropyltoluene		5*	4	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Styrene		5*	--	ND	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene		5*	12	ND	ND	ND	ND	ND	ND	ND
	Toluene		5*	2	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropylene		0.4**	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene		5*	14,000	800	500	130	180	1,200	1,200	670 DJ
	Trichlorofluoromethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride		2	3,900	130	150	100	110	160 J	170 J	190 J
	TOTAL CVOCs				26,451	1,964	1,287	1,866	1,626	3,351	3,455
Sample Date				12/23/2009	4/20/2011	4/20/2011	10/20/2011	10/20/2011	3/27/2012	3/27/2012	10/9/2012
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	5	5	ND	ND	ND
	Arsenic		25	ND	11	ND	10	ND	ND	ND	10
	Beryllium		11***	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium		5	31	63	59	114	126	47	42	7
	Chromium		50	13	11	8	29	32	5	ND	ND
	Copper		200	38	8	6	17	18	ND	ND	ND
	Lead		25	33	4	3	7	6	3 J	ND	ND
	Nickel		100	257	309	307	660	703	749	748	266
	Selenium		10	14	ND	ND	ND	ND	22 J	16 J	15
	Silver		50	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc		NS/2,000	136	158	146	234	244	144	139	78
	Mercury		0.7	ND	ND	ND	ND	ND	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-1									
Sample Date				3/11/2013	3/11/2013 (MW-DUP)	10/25/2013	3/26/2014	3/26/2014 (MW-DUP)	10/3/2014	10/3/2014 (MW-DUP)	4/6/2015	4/6/2015 (MW-DUP)	
Analyte		Units	Part 703 Groundwater	Post-Remedy Results									
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,1-Trichloroethane		5*	1.2 J	1.4 J	ND	ND	1.4 J	ND	ND	ND	ND	
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1,2-Trichloroethane		1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1,1-Dichloroethane		5*	3.1 J	2.8 J	6.8	1.4 J	1.4 J	ND	ND	7.3	7.1	
	1,1-Dichloroethylene		5*	1.3 J	1.2 J	6.6	ND	0.50 J	ND	ND	11.0	11.0	
	1,1-Dichloropropylene		NS/5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	572	710	2,457	568	216.6	18,260	9,720	4,397 J	4,093 J	
	1,2-Dichloropropane		1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene		0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	ND	ND	ND	ND	R	R	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		5*	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND
	Isopropylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	ND J	ND J	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride		5*	2.4 J	3.1 J	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene		10	ND	ND	ND	6.0 J	ND	ND	ND	ND	ND	ND
	n-Butylbenzene		5*	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND
	n-Propylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene		5*	ND	ND	ND	R	R	ND	ND	ND	ND	ND
	p-&m-Xylenes		5*	ND	ND	ND	3.2 J	ND	ND	ND	ND	ND	ND
	p-Isopropyltoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene		5*	ND	ND	ND	R	R	ND	ND	ND	ND	ND
	tert-Butylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropylene		0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene		5*	490	620	1,800	490	250	14,000	5,100	4200 J	3800 J	
	Trichlorofluoromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride		2	99	83	ND	84	30	1,000	1,500	450	480	
	TOTAL CVOCs				1,167	1,418	4,270	1143	500	33,260	16,320	9,065.3	5,391
Sample Date				3/11/2013	3/11/2013	10/25/2013	3/26/2014	3/26/2014	10/3/2014	10/3/2014	4/6/2015	4/6/2015	
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	ND	ND	ND	6	7	
	Arsenic		25	ND	5	7	ND	ND	48	56	15	14	
	Beryllium		11***	ND	ND	ND	ND	ND	ND	2	ND	ND	
	Cadmium		5	120	95	33	121	103	116	116	75	78	
	Chromium		50	28	17	8	21	15	85	113	13	18	
	Copper		200	13	5	20	R	R	128	167	26	33	
	Lead		25	5	ND	3	ND	ND	71	92	7	10	
	Nickel		100	288	286	477	307	319	933	897	870	857	
	Selenium		10	13	11	ND	14	ND	ND	ND	ND J	ND J	
	Silver		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Thallium		8	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Zinc		NS/2,000	239	191	104	302	285	493	544	250	259	
	Mercury		0.7	ND	ND	ND	ND	ND	ND	ND	ND J	ND J	

Table 2: Groundwater Monitoring Data
 BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
 Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-1							
Sample Date				10/16/2015	10/16/2015 (MW-DUP)	3/16/2016	3/16/2016 (MW-DUP)	3/23/2017	3/23/2017 (MW-DUP)	11/13/2017	11/13/2017 (MW-DUP)
Analyte		Units	Part 703 Groundwater	Post-Remedy Results							
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	2.0	1.7	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		5*	7.7	9.2	6.8	6.5	ND	ND	ND	ND
	1,1-Dichloroethylene		5*	28	37	22	21	ND	ND	ND	ND
	1,1-Dichloropropylene		NS/5	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene		5*	ND	ND	ND	ND	ND J	ND J	ND	ND
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	ND	ND	ND	ND	ND J	ND J	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND J	ND J	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	7,840	9,690	6,570	5,850	5,530	5,140	27,630 DJ	26,620 DJ
	1,2-Dichloropropane		1	ND	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	ND	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	0.33 J	ND	ND	0.23 J	ND	ND	ND	ND
	Bromobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	ND	ND	ND J	ND J	ND J	ND J	ND J	ND J
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	ND	ND	ND J	ND J	ND J	ND J	ND	ND
	cis-1,3-Dichloropropylene		0.4**	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND	ND	ND J	ND J	ND	ND
	Ethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	ND	ND	ND	ND	ND	ND	ND	ND
	Isopropylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene		10	ND	ND	ND	ND	ND J	ND J	ND	ND
	n-Butylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	n-Propylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	p-&m-Xylenes		5*	ND	ND	ND	ND	ND	ND	ND	ND
	p-Isopropyltoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene		5*	0.33 J	0.30 J	ND	ND	ND	ND	ND	ND
	Toluene		5*	0.56	0.76	0.34 J	0.32 J	ND	ND	ND	ND
	trans-1,3-Dichloropropylene		0.4**	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene		5*	8,700	10,000	6,500 DJ	5,900 DJ	4,700	4,500	23,000 DJ	23,000 DJ
	Trichlorofluoromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride		2	ND	ND	930	930	580 DJ	570 DJ	2,500 DJ	2,300 DJ
	TOTAL CVOCs				16,579	19,738	14,029	12,708	10,810	10,210	53,130
Sample Date				10/16/2015	10/16/2015	3/16/2016	3/16/2016	3/23/2017	3/23/2017	11/13/2017	11/13/2017
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	ND	ND	ND J	ND J
	Arsenic		25	30	23	16 J	16 J	19	17	31 J	21
	Beryllium		11***	2	1	1	ND	ND	ND	2	3
	Cadmium		5	91	78	64	33	28	24	82	87
	Chromium		50	74	41	12	6	31	28	10	19
	Copper		200	101	71	108	31	45	39	78 J	270 B
	Lead		25	51	39	70	15	13	11	84	124
	Nickel		100	367	321	226	185	184	188	394	449
	Selenium		10	15	ND	ND	ND	ND	ND	ND	ND
	Silver		50	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc		NS/2,000	466	325	244	103	130	116	263	426
	Mercury		0.7	ND J	ND J	ND	ND	ND	ND	ND	ND

Table 2: Groundwater Monitoring Data
 BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
 Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-1							
Sample Date				3/5/2018	3/5/2018 (MW-DUP2)	11/1/2018	11/1/18 (MW-DUP)	3/28/2019	3/28/19 (MW-DUP)	10/29/2019	10/29/2019 (MW-DUP)
Analyte		Units	Part 703 Groundwater	Post-Remedy Results							
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	2.4 J	2.2 J	ND	ND	2.8	2.7	ND	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	ND	ND	ND J	ND J	ND	ND	0.47 J	0.53
	1,1-Dichloroethane		5*	3.7 J	3.7 J	6.4 D	5.7 J	1.6	1.6	18	17
	1,1-Dichloroethylene		5*	ND	ND	24 D	18 J	4.3	4.1	91	92
	1,1-Dichloropropylene		NS/5	ND	ND	--	--	--	--	--	--
	1,2,3-Trichlorobenzene		5*	ND J	ND J	ND J	ND J	ND	ND	ND J	ND J
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	ND	ND	--	--	--	--	--	--
	1,2,4-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND	ND J	ND J	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	750	802	8,470 D	15,300 D	920 D	956 D	32,890 D	35,810 D
	1,2-Dichloropropane		1	ND	ND	ND J	ND J	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	ND	ND	--	--	--	--	--	--
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	ND	ND	--	--	--	--	--	--
	2,2-Dichloropropane		5*	ND	ND	--	--	--	--	--	--
	2-Chlorotoluene		5*	ND	ND	--	--	--	--	--	--
	4-Chlorotoluene		5*	ND	ND	--	--	--	--	--	--
	Benzene		1	ND	ND	ND	0.28 J	ND	ND	0.88	0.89
	Bromobenzene		5*	ND	ND	--	--	--	--	--	--
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND	ND J	ND J	ND	ND	ND	ND
	Bromoform		NS/50	ND	ND	ND	ND	ND J	ND J	ND	ND
	Bromomethane		5*	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	ND	ND	ND	ND	0.28 J	0.27 J	ND	ND
	Chloromethane		NS/5	ND	ND	ND	ND	ND	ND	0.29 J	0.34 J
	cis-1,3-Dichloropropylene		0.4**	ND	ND	ND J	ND J	ND	ND	ND	ND
	Dibromochloromethane		NS/50	ND	ND	ND J	ND J	ND	ND	ND	ND
	Dibromomethane		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND	ND	ND	ND	ND J	ND J
	Ethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	ND	ND	ND J	ND J	ND J	ND J	ND J	ND J
	Isopropylbenzene		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene		10	ND	ND	--	--	--	--	--	--
	n-Butylbenzene		5*	ND	ND	ND J	ND J	ND J	ND J	ND	ND
	n-Propylbenzene		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	o-Xylene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	p-&m-Xylenes		5*	ND	ND	ND	ND	ND	ND	ND	ND
	p-Isopropyltoluene		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	sec-Butylbenzene		5*	ND	ND	ND J	ND J	ND	ND	ND	ND
	Styrene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene		5*	ND	ND	ND J	ND J	ND	ND	ND J	ND J
	Tetrachloroethylene		5*	ND	ND	ND	0.34 J	0.35 J	0.28 J	ND J	ND J
	Toluene		5*	ND	ND	0.64 JD	0.44 J	ND	ND	1.5	1.4
	trans-1,3-Dichloropropylene		0.4**	ND	ND	ND J	ND J	ND	ND	ND	ND
	Trichloroethylene		5*	780	840	8,800 JD	15,000 DJ	1,300 DJ	1,300 DJ	26,000 D	28,000 D
	Trichlorofluoromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride		2	110	120	1,400 D	1,500 D	150	140	4,600 D	4,000 D
	TOTAL CVOCs				1,646.1	1,767.9	18,700.4	31,824.04	2,379.33	2,404.95	63,599.76
Sample Date				3/5/2018	3/5/2018	11/1/2018	11/1/2018	3/28/2019	3/28/2019	10/29/2019	10/29/2019
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	ND	ND	1.93 J Di	1.88 J Di
	Arsenic		25	ND	ND	ND	ND	ND	ND	25.5 Di	23.7 Di
	Beryllium		11***	ND	ND	ND	ND	ND	ND	ND Di	ND Di
	Cadmium		5	77	78	6	8	60 J	59 J	ND Di	ND Di
	Chromium		50	11	23	8	ND	138 J	139 J	ND Di	ND Di
	Copper		200	9	17	ND	26	ND	ND	3.69 Di	ND Di
	Lead		25	ND	6	ND	13	ND J	ND J	ND Di	ND Di
	Nickel		100	190	184	178	182	145 J	139 J	338 Di	315 Di
	Selenium		10	50	51	51 J	46 J	85 J	94 J	5.93 J Di	5.72 J Di
	Silver		50	ND	ND	ND	ND	ND	ND	ND Di	ND Di
	Thallium		8	ND	ND	ND	ND	ND	ND	ND Di	ND Di
	Zinc		NS/2,000	154	168	ND	36	138	129	12.7 J Di	13.9 J Di
	Mercury		0.7	ND	ND	ND	ND	ND	ND	ND Di	ND Di

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location			MW-1					
Sample Date			6/1/2020	6/1/2020 (MW-DUP)	10/22/2020	10/22/2020 (MW-DUP)	3/25/2021	3/25/2021 (MW-DUP)
Analyte	Units	Part 703 Groundwater	Post-Remedy Results					
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	5*	ND	ND	ND	ND J	ND	ND
	1,1,1-Trichloroethane	5*	ND	ND	ND J	ND	31	ND
	1,1,2,2-Tetrachloroethane	5*	ND	ND	ND J	ND	ND	ND
	1,1,2-Trichloroethane	1	0.43 J	ND	ND J	0.33 J	0.43 J	0.29 J
	1,1-Dichloroethane	5*	21	20	ND J	18	15	16
	1,1-Dichloroethylene	5*	150	130	200	120 E	100	100
	1,1-Dichloropropylene	NS/5	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	5*	ND J	ND J	ND	ND	ND	ND
	1,2,3-Trichloropropane	0.04	ND	ND	ND	ND J	ND	ND
	1,2,3-Trimethylbenzene	5*	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	5*	ND J	ND J	ND	ND	ND	ND
	1,2,4-Trimethylbenzene	5*	ND	ND	ND J	ND J	ND	ND
	1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	NS/5	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	3**	ND	ND	ND	ND J	ND	ND
	1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)	5*	28,770 D B	27,730 D B	41,400 J	1,740 E J	25,770	23,730
	1,2-Dichloropropane	1	ND	ND	ND J	ND	ND	ND
	1,3,5-Trimethylbenzene	5*	ND	ND	ND J	ND J	ND	ND
	1,3-Dichlorobenzene	3**	ND	ND	ND J	ND J	ND	ND
	1,3-Dichloropropane	5*	--	--	--	--	--	--
	1,4-Dichlorobenzene	3**	ND	ND	ND J	ND J	ND	ND
	1-Chlorohexane	NS	--	--	--	--	--	--
	2,2-Dichloropropane	5*	--	--	--	--	--	--
	2-Chlorotoluene	5*	--	--	--	--	--	--
	4-Chlorotoluene	5*	--	--	--	--	--	--
	Benzene	1	1.00	0.92	ND	0.83 J	0.82	0.78
	Bromobenzene	5*	--	--	--	--	--	--
	Bromochloromethane	5*	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	NS/50	ND	ND	ND J	ND	ND	ND
	Bromoform	NS/50	ND J	ND J	ND	ND	ND	ND
	Bromomethane	5*	ND J	ND J	ND	ND J	ND	ND
	Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
	Chlorobenzene	5*	ND	ND	ND J	ND J	ND	ND
	Chloroethane	5*	ND	ND	ND J	ND	ND	ND
	Chloroform	7	ND	ND	ND	ND	ND	ND
	Chloromethane	NS/5	1.1 B J	1.6 B J	ND J	ND	ND	ND
	cis-1,3-Dichloropropylene	0.4**	ND J	ND J	ND J	ND	ND	ND
	Dibromochloromethane	NS/50	ND J	ND J	ND	ND	ND	ND
	Dibromomethane	5*	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane	5*	ND J	ND J	ND J	ND J	ND	ND
	Ethylbenzene	5*	ND	ND	ND J	ND J	ND	ND
	Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
	Isopropylbenzene	5*	ND	ND	ND	ND J	ND	ND
	Methyl tert-butyl ether (MTBE)	NS/10	ND	ND	ND	ND	ND	ND
	Methylene chloride	5*	ND	ND	ND	ND	ND	ND
	Naphthalene	10	--	--	--	--	--	--
	n-Butylbenzene	5*	ND	ND	ND J	ND J	ND	ND
	n-Propylbenzene	5*	ND	ND	ND J	ND J	ND	ND
	o-Xylene	5*	ND	ND	ND J	ND	ND	ND
	p-&m-Xylenes	5*	ND	ND	ND J	ND	ND	ND
	p-Isopropyltoluene	5*	ND	ND	ND	ND J	ND	ND
	sec-Butylbenzene	5*	ND	ND	ND	ND J	ND	ND
	Styrene	5*	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene	5*	ND J	ND J	ND	ND J	ND	ND
	Tetrachloroethylene	5*	0.31 J	0.31 J	ND J	0.22 J	0.28 J	0.30 J
	Toluene	5*	1.5	1.3	ND J	1.1 J	1.2	1.2
	trans-1,3-Dichloropropylene	0.4**	ND J	ND J	ND J	ND J	ND	ND
	Trichloroethylene	5*	24,000 D B	23,000 D B	37,000 J	ND J	23,000	21,000
	Trichlorofluoromethane	5*	ND	ND	ND	ND J	ND	ND
	Vinyl chloride	2	5,100 D J	4,800 D J	6,800	800 E J	4,500	4,100
	TOTAL CVOCs		58,045.34	55,684.13	84,600.00	2,678.52	53,416.71	48,946.59
Sample Date			6/1/2020	6/1/2020	10/22/2020	10/22/2020	3/25/2021	3/25/2021
EPA Method 6010 Priority Pollutant Metals	Antimony	3	ND Di	ND	ND Di	ND	R	R
	Arsenic	25	ND Di	ND	ND Di	ND	ND Di	ND Di
	Beryllium	11***	ND Di	ND	ND Di	1	ND Di	ND Di
	Cadmium	5	ND Di	ND	ND Di	13	ND Di	ND Di
	Chromium	50	ND Di	ND	ND Di	31	ND Di	ND Di
	Copper	200	ND Di	ND	46 B J Di	119	ND Di	ND Di
	Lead	25	ND Di	ND	ND Di	46	ND Di	ND Di
	Nickel	100	342 Di	ND	351 Di	417	ND Di	ND Di
	Selenium	10	9.5 Di J	3.9 J	126 Di	105	ND J,Di	ND J,Di
	Silver	50	ND Di	ND	ND Di	ND	ND Di	ND Di
	Thallium	8	ND Di	ND	ND Di	ND	ND Di	ND Di
	Zinc	NS/2,000	ND Di	ND	ND Di	162	ND Di	ND Di
	Mercury	0.7	ND Di	ND	ND Di	ND	ND Di	ND Di

Table 2: Groundwater Monitoring Data
 BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
 Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-2							
Sample Date				12/23/2009	4/20/2011	10/20/2011	3/27/2012	10/9/2012	10/9/2012 (DUP)	3/11/2013	10/25/2013
Analyte		Units	Part 703 Groundwater Standard	Pre-Remedy Results	Post-Remedy Results						
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	--	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	--	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		5*	ND	1.1 J	1.3 J	1.3 J	1.7 J	1.4 J	ND	ND
	1,1-Dichloroethylene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloropropylene		NS/5	--	ND	ND	ND J	ND	ND	ND	ND
	1,2,3-Trichlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		0.04	--	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	33	17	25	29	48	45	27	18
	1,2-Dichloropropane		1	--	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	--	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	--	ND	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene		5*	--	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	--	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	--	ND	ND	ND J	ND	ND	ND	ND
	Carbon Tetrachloride		5	--	ND	ND	ND J	ND	ND	ND	ND
	Chlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	--	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	--	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene		0.4**	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	--	ND	ND	R	ND	ND	ND	ND
	Ethylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	--	ND	ND	ND	ND	ND	ND	ND
	Isopropylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride		5*	4	3.6 JB	4.9 JB	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND		
n-Butylbenzene	5*	--	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
o-Xylene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
p-&m-Xylenes	5*	ND	ND	ND	ND	ND	ND	ND	ND		
p-Isopropyltoluene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
sec-Butylbenzene	5*	--	ND	ND	ND	ND	ND	ND	ND		
Styrene	5*	--	ND	ND	ND	ND	ND	ND	ND		
tert-Butylbenzene	5*	--	ND	ND	ND	ND	ND	ND	ND		
Tetrachloroethylene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
Toluene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
trans-1,3-Dichloropropylene	0.4**	--	ND	ND	ND	ND	ND	ND	ND		
Trichloroethylene	5*	51	3.6 J	3.2 J	ND	3.3 J	2.8 J	1.8 J	ND		
Trichlorofluoromethane	5*	--	ND	ND	ND	ND	ND	ND	ND		
Vinyl chloride	2	10	7.1	6.7	5.7	8.8	7.0	ND	ND		
TOTAL CVOCs				94	28.8	36.2	36.0	61.8	56.2	28.8	18
Sample Date				12/23/2009	4/20/2011	10/20/2011	3/27/2012	10/9/2012	10/9/2012	3/11/2013	10/25/2013
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic		25	29	ND	ND	ND	ND	ND	43	
	Beryllium		11***	6	ND	ND	ND	ND	ND	5	
	Cadmium		5	10	ND	ND	ND	ND	4	30	
	Chromium		50	58	12	7	5	ND	7	160	
	Copper		200	430	9	5	6 J	6	7	ND	
	Lead		25	552	10	7	6 J	8	6	7	
	Nickel		100	113	41	27	33	18	19	73	
	Selenium		10	28	10	12	21 J	18	17	19	
	Silver		50	ND	ND	ND	ND	ND	ND	ND	
	Thallium		8	ND	ND	ND	ND	21	21	ND	
	Zinc		NS/2,000	431	44	26	35	34	43	57	
	Mercury		0.7	1.6	ND	ND	ND	ND	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-2							
Sample Date				3/26/2014	10/3/2014	4/6/2015	10/16/2015	3/16/2016	3/23/2017	11/13/2017	3/5/2018
Analyte		Units	Part 703 Groundwater Standard	Post-Remedy Results							
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		5*	ND	1.3	ND	0.53	0.37 J	0.62	0.47 J	0.48 J
	1,1-Dichloroethylene		5*	ND	0.41 J	ND	ND	ND	ND	ND	ND
	1,1-Dichloropropylene		NS/5	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND J
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND J	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	20.28 J	34.42 J	25 J	11	7.2	17.2	11.21 J	14
	1,2-Dichloropropane		1	ND	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	ND	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	ND	ND	ND	ND	ND	ND J	ND	ND
	2-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	ND	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	ND	ND	ND	ND	ND J	ND	ND J	ND J
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	ND	ND	ND	ND	ND J	ND	ND	ND
	cis-1,3-Dichloropropylene		0.4**	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	R	ND	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
Methyl tert-butyl ether (MTBE)	NS/10	ND	ND	ND	ND	ND	ND	ND	ND		
Methylene chloride	5*	ND	ND	2.6 J	2.6 J	ND	ND	ND	ND		
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND		
n-Butylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
o-Xylene	5*	R	ND	ND	ND	ND	ND	ND	ND		
p-&m-Xylenes	5*	ND	ND	ND	ND	ND	ND	ND	ND		
p-Isopropyltoluene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
sec-Butylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
Styrene	5*	R	ND	ND	ND	ND	ND	ND	ND		
tert-Butylbenzene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
Tetrachloroethylene	5*	ND	ND	ND	ND	ND	ND J	ND	ND		
Toluene	5*	ND	ND	ND	ND	ND	ND	ND	ND		
trans-1,3-Dichloropropylene	0.4**	ND	ND	ND	ND	ND	ND	ND	ND		
Trichloroethylene	5*	1.4 J	2.2 J	ND J	1.6	0.83 J	1.60	0.88 J	1.7		
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND	ND		
Vinyl chloride	2	12	20	6.9	3.7	1.1	3.2	1.4 J	2.2		
TOTAL CVOcs				33.68	58.33	31.9	16.83	9.5	22.65	13.96	18.38
Sample Date				3/26/2014	10/3/2014	4/6/2015	10/16/2015	3/16/2016	3/23/2017	11/13/2017	3/5/2018
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	6	ND	ND J	ND
	Arsenic		25	ND	ND	5	6	ND	6	ND J	ND
	Beryllium		11***	ND	ND	ND	ND	ND	ND	ND J	ND
	Cadmium		5	4	ND	ND	ND	ND	5	ND	ND
	Chromium		50	7	8	8	6	ND	13	ND	ND
	Copper		200	6 J	13	12	40	19	28	R	11
	Lead		25	7	9	6	30	11	5	ND	ND
	Nickel		100	73	28	30	17	ND	27	28	ND
	Selenium		10	19	ND	ND J	ND	ND	ND	23 J	80
	Silver		50	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	8	7	27	ND	34
	Zinc		NS/2,000	57	43	26	127	26	60	57	ND
	Mercury		0.7	ND	ND	ND J	ND J	ND	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample Location				MW-2					
Sample Date				11/1/2018	3/28/2019	10/29/2019	6/1/2020	10/22/2020	3/25/2021
Analyte		Units	Part 703 Groundwater Standard	Post-Remedy Results					
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	ND	ND	ND	ND	ND J	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND J	ND
	1,1,2-Trichloroethane		1	ND J	ND	ND	ND	ND J	ND
	1,1-Dichloroethane		5*	0.31 J	ND	ND	ND	ND J	ND
	1,1-Dichloroethylene		5*	ND	ND	ND	ND	ND	ND
	1,1-Dichloropropylene		NS/5	--	--	ND	ND	--	--
	1,2,3-Trichlorobenzene		5*	ND	ND	ND J	ND J	ND	ND
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	--	--	--	--	--	--
	1,2,4-Trichlorobenzene		5*	ND J	ND	ND	ND J	ND	ND
	1,2,4-Trimethylbenzene		5*	ND J	ND	ND	ND	ND J	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND J	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	13.36 J	0.96	36.3	ND	ND J	ND
	1,2-Dichloropropane		1	ND J	ND	ND	ND	ND J	ND
	1,3,5-Trimethylbenzene		5*	ND J	ND	ND	ND	ND J	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND J	ND
	1,3-Dichloropropane		5*	--	--	--	--	--	--
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND J	ND
	1-Chlorohexane		NS	--	--	--	--	--	--
	2,2-Dichloropropane		5*	--	--	--	--	--	--
	2-Chlorotoluene		5*	--	--	--	--	--	--
	4-Chlorotoluene		5*	--	--	--	--	--	--
	Benzene		1	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	--	--	--	--	--	--
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND J	ND	ND	ND	ND J	ND
	Bromoform		NS/50	ND	ND J	ND	ND J	ND	ND
	Bromomethane		5*	ND J	ND J	ND J	ND J	ND	ND
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND J	ND
	Chloroethane		5*	ND	ND	ND	ND	ND J	ND
	Chloroform		7	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	ND	ND	ND J	ND J	ND J	ND
	cis-1,3-Dichloropropylene		0.4**	ND J	ND	ND	ND J	ND J	ND
	Dibromochloromethane		NS/50	ND J	ND	ND	ND J	ND	ND
	Dibromomethane		5*	ND J	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND J	ND J	ND J	ND
	Ethylbenzene		5*	ND	ND	ND	ND	ND J	ND
	Hexachlorobutadiene		0.5	ND J	ND J	ND J	ND	ND	ND
Isopropylbenzene	5*	ND J	ND	ND	ND	ND	ND		
Methyl tert-butyl ether (MTBE)	NS/10	ND	ND	ND	ND	ND	ND		
Methylene chloride	5*	ND	ND	ND	ND	ND	ND		
Naphthalene	10	--	--	--	--	--	--		
n-Butylbenzene	5*	ND J	ND J	ND	ND	ND J	ND		
n-Propylbenzene	5*	ND J	ND	ND	ND	ND J	ND		
o-Xylene	5*	ND	ND	ND	ND	ND J	ND		
p-&m-Xylenes	5*	ND	ND	ND	ND	ND J	ND		
p-Isopropyltoluene	5*	ND J	ND	ND	ND	ND	ND		
sec-Butylbenzene	5*	ND J	ND	ND	ND	ND	ND		
Styrene	5*	ND	ND	ND	ND	ND	ND		
tert-Butylbenzene	5*	ND	ND	ND J	ND J	ND	ND		
Tetrachloroethylene	5*	ND	ND	0.23 J	0.24 J	ND J	ND		
Toluene	5*	ND	ND	ND	ND	ND J	ND		
trans-1,3-Dichloropropylene	0.4**	ND J	ND	ND	ND J	ND J	ND		
Trichloroethylene	5*	6.0 J	2.2 J	40.0	0.42 J	ND J	0.21 J		
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND		
Vinyl chloride	2	2.7	ND	9.6	ND J	ND J	ND		
TOTAL CVOCs				22.39	3.16	86.13	0.66	ND	0.21
Sample Date				11/1/2018	3/28/2019	10/29/2019	6/1/2020	10/22/2020	3/25/2021
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND J	ND	ND	ND
	Arsenic		25	ND	ND	ND	ND	ND	ND
	Beryllium		11***	ND	ND	ND	ND	ND	ND
	Cadmium		5	ND	ND J	1.04	ND	ND	ND
	Chromium		50	7	ND J	1.59	ND	ND	ND
	Copper		200	30	ND	6.87	ND	32	ND
	Lead		25	21	ND J	ND	ND	ND	12
	Nickel		100	19	ND J	42	ND	ND	ND
	Selenium		10	56 J	37 J	3.29 J	2.9 J	ND	ND
	Silver		50	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	ND	ND	ND
	Zinc		NS/2,000	47	ND	19.5 J	ND	ND	ND
	Mercury		0.7	ND	ND	ND	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample ID				MW-5							
Sample Date				1/14/2010	4/20/2011	10/20/2011	3/27/2012	10/9/2012	3/11/2013	10/25/2013	10/25/13 (MW-DUP)
Analyte		Units	Part 703 Groundwater Standard	Pre-Remedy Results	Post-Remedy Results						
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	--	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	--	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		5*	ND	ND	ND	ND	0.81 J	ND	ND	ND
	1,1-Dichloroethylene		5*	ND	ND	ND	ND	53	ND	ND	ND
	1,1-Dichloropropylene		NS/5	--	ND	ND	ND J	ND	ND	ND	ND
	1,2,3-Trichlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		0.04	--	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	--	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	ND	ND	3.4 J	ND	ND	7.2	49	51
	1,2-Dichloropropane		1	--	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	--	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	--	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	--	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	--	ND	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene		5*	--	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	--	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	--	ND	ND	ND J	ND	ND	ND	ND
	Carbon Tetrachloride		5	--	ND	ND	ND J	ND	ND	ND	ND
	Chlorobenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Chloroform		7	--	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	--	ND	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene		0.4**	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	--	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	--	ND	ND	ND	ND	ND	ND	ND
	Isopropylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	--	ND	ND	ND J	ND	ND J	ND	ND
	Methylene chloride		5*	2	3.9 JB	4.6 JB	ND	ND	ND	ND	ND
	Naphthalene		10	ND	ND	ND	ND J	ND	ND	ND	ND
	n-Butylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	n-Propylbenzene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	p-&m-Xylenes		5*	ND	ND	ND	ND	ND	ND	ND	ND
	p-Isopropyltoluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	sec-Butylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Styrene		5*	--	ND	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene		5*	--	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene		5*	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropylene		0.4**	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene		5*	ND	ND	6.1	ND	45	9.4	78	84
	Trichlorofluoromethane		5*	--	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride		2	ND	ND	ND	ND	ND	ND J	ND	ND
TOTAL CVOCs						9.5	98.81	16.6	127	135	
Sample Date				1/14/2010	4/20/2011	10/20/2011	3/27/2012	10/9/2012	3/11/2013	10/25/2013	10/25/2013
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic		25	ND	ND	ND	ND	ND	ND	ND	4
	Beryllium		11***	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium		5	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium		50	7	ND	ND	ND	ND	ND	ND	ND
	Copper		200	94	ND	7	ND J	ND	ND	5	4
	Lead		25	47	3	6	ND J	ND	ND	ND	4
	Nickel		100	29	8	5	ND	ND	5	12	12
	Selenium		10	ND	ND	ND	ND	ND	11	ND	ND
	Silver		50	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc		NS/2,000	80	35	25	ND	20	22	29	29
	Mercury		0.7	ND	ND	ND	ND J	ND J	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample ID				MW-5						
Sample Date				3/26/2014	10/2/2014	4/6/2015	10/16/2015	3/16/2016	3/23/2017	11/13/2017
Analyte		Units	Part 703 Groundwater Standard	Post-Remedy Results						
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	0.47 J	ND	ND	0.69	0.27 J	ND	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane		5*	0.85	2.1 J	ND	1.9	0.85	0.34 J	0.63 J
	1,1-Dichloroethylene		5*	1.1	2.1 J	ND	2.9	1.1	0.37 J	ND
	1,1-Dichloropropylene		NS/5	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene		5*	ND	ND	ND	ND	ND	ND J	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	37.58	95	84 J	96.6	44.56	20.26	36.44 J
	1,2-Dichloropropane		1	ND	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane		5*	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND
	1-Chlorohexane		NS	ND	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane		5*	ND	ND	ND	ND	ND	ND J	ND
	2-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene		5*	ND	ND	ND	ND	ND	ND	ND
	Benzene		1	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND
	Bromoform		NS/50	ND	ND	ND	ND	ND	ND	ND
	Bromomethane		5*	ND	ND	ND	ND	ND J	ND	ND J
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND	ND	ND
	Chloroethane		5*	ND	ND	ND	0.56	0.21 J	ND	ND
	Chloroform		7	ND	ND	ND	ND	ND	ND	0.28 J
	Chloromethane		NS/5	ND	ND	ND	ND	ND J	ND	ND
	cis-1,3-Dichloropropylene		0.4**	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane		NS/50	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane		5*	R	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene		5*	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	ND	ND	ND	ND	ND	ND	ND
	Isopropylbenzene		5*	ND	ND	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride		5*	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND		
n-Butylbenzene	5*	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	5*	ND	ND	ND	ND	ND	ND	ND		
o-Xylene	5*	R	ND	ND	ND	ND	ND	ND		
p-&m-Xylenes	5*	ND	ND	ND	ND	ND	ND	ND		
p-Isopropyltoluene	5*	ND	ND	ND	ND	ND	ND	ND		
sec-Butylbenzene	5*	ND	ND	ND	ND	ND	ND	ND		
Styrene	5*	R	ND	ND	ND	ND	ND	ND		
tert-Butylbenzene	5*	ND	ND	ND	ND	ND	ND	ND		
Tetrachloroethylene	5*	ND	ND	ND	ND	ND	ND J	ND		
Toluene	5*	ND	ND	ND	ND	ND	ND	ND		
trans-1,3-Dichloropropylene	0.4**	ND	ND	ND	ND	ND	ND	ND		
Trichloroethylene	5*	110	230	290 J	400 E	150 J	39	56 J		
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND		
Vinyl chloride	2	ND	ND	ND	0.41 J	ND	ND	ND		
TOTAL CVOCs				150.00	329.2	374	503.06	196.99	59.97	93.35
Sample Date				3/26/2014	10/3/2014	4/6/2015	10/16/2015	3/16/2016	3/27/2017	11/13/2017
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	ND	ND	ND	ND	7	8	ND J
	Arsenic		25	ND	7	9	26	ND	7	ND J
	Beryllium		11***	ND	ND	ND	ND	ND	ND	ND J
	Cadmium		5	ND	ND	ND	ND	ND	ND	ND
	Chromium		50	ND	ND	9	8	ND	6	ND
	Copper		200	R	ND	10	46	14	24	R
	Lead		25	ND	ND	3	27	6	4	ND
	Nickel		100	5	18	13	36	ND	ND	ND J
	Selenium		10	ND	11	ND J	ND	ND	ND	ND
	Silver		50	ND	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	17	ND	9	ND
	Zinc		NS/2,000	22	32	19	154	29	38	ND
	Mercury		0.7	ND	ND	ND J	ND J	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample ID				MW-5						
Sample Date				3/5/2018	11/1/2018	3/28/2019	10/29/2019	6/1/2020	10/22/2020	3/25/2021
Analyte		Units	Part 703 Groundwater Standard	Post-Remedy Results						
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	ND	ND	ND	ND	ND	ND J	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND	ND	ND J	ND
	1,1,2-Trichloroethane		1	ND	ND J	ND	ND	ND	ND J	ND
	1,1-Dichloroethane		5*	0.35 J	0.41 J	0.33 J	0.49 J	0.44 J	ND J	0.56
	1,1-Dichloroethylene		5*	ND	0.46 J	0.32 J	0.50	0.31 J	ND	0.62
	1,1-Dichloropropylene		NS/5	ND	--	--	--	--	--	--
	1,2,3-Trichlorobenzene		5*	ND J	ND	ND	ND J	ND J	ND	ND
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	ND	--	--	--	--	--	--
	1,2,4-Trichlorobenzene		5*	ND	ND J	ND	ND	ND J	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND J	ND	ND	ND	ND J	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND J	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	20.30 J	26.47 J	16.27 J	42.2	19.28 J	95 J	37.62
	1,2-Dichloropropane		1	ND	ND J	ND	ND	ND	ND J	ND
	1,3,5-Trimethylbenzene		5*	ND	ND J	ND	ND	ND	ND J	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND J	ND
	1,3-Dichloropropane		5*	ND	--	--	--	--	--	--
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND	ND	ND J	ND
	1-Chlorohexane		NS	ND	--	--	--	--	--	--
	2,2-Dichloropropane		5*	ND	--	--	--	--	--	--
	2-Chlorotoluene		5*	ND	--	--	--	--	--	--
	4-Chlorotoluene		5*	ND	--	--	--	--	--	--
	Benzene		1	ND	ND	ND	ND	ND	ND	ND
	Bromobenzene		5*	ND	--	--	--	--	--	--
	Bromochloromethane		5*	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND J	ND	ND	ND	ND J	ND
	Bromoform		NS/50	ND	ND	ND J	ND	ND J	ND	ND
	Bromomethane		5*	ND J	ND J	ND J	ND J	ND J	ND	ND
	Carbon Tetrachloride		5	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND	ND	ND J	ND
	Chloroethane		5*	ND	ND	ND	ND	ND	ND J	ND
	Chloroform		7	ND	ND	ND	ND	ND	ND	ND
	Chloromethane		NS/5	ND	1.1	ND	0.29 J	0.21 J	ND J	0.80
	cis-1,3-Dichloropropylene		0.4**	ND	ND J	ND	ND	ND	ND J	ND
	Dibromochloromethane		NS/50	ND	ND J	ND	ND	ND	ND J	ND
	Dibromomethane		5*	ND	ND J	ND	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND	ND J	ND J	ND J	ND
	Ethylbenzene		5*	ND	ND	ND	ND	ND	ND J	ND
	Hexachlorobutadiene		0.5	ND	ND J	ND J	ND J	ND	ND	ND
	Isopropylbenzene		5*	ND	ND J	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride		5*	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	--	--	--	--	--	--		
n-Butylbenzene	5*	ND	ND J	ND J	ND	ND	ND J	ND		
n-Propylbenzene	5*	ND	ND J	ND	ND	ND	ND J	ND		
o-Xylene	5*	ND	ND	ND	ND	ND	ND J	ND		
p-&m-Xylenes	5*	ND	ND	ND	ND	ND	ND J	ND		
p-Isopropyltoluene	5*	ND	ND J	ND	ND	ND	ND	ND		
sec-Butylbenzene	5*	ND	ND J	ND	ND	ND	ND	ND		
Styrene	5*	ND	ND	ND	ND	ND	ND	ND		
tert-Butylbenzene	5*	ND	ND	ND	ND J	ND J	ND	ND		
Tetrachloroethylene	5*	ND	ND	ND	ND J	ND	ND J	ND		
Toluene	5*	ND	ND	ND	ND J	ND	ND J	ND		
trans-1,3-Dichloropropylene	0.4**	ND	ND J	ND	ND	ND J	ND J	ND		
Trichloroethylene	5*	51	70 J	31 J	67	37	110 J	71		
Trichlorofluoromethane	5*	ND	ND	ND	ND	ND	ND	ND		
Vinyl chloride	2	ND	0.30 J	ND	2.9	ND J	ND J	0.28 J		
TOTAL CVOCs				71.65	98.74	47.92	113.38	57.24	205.00	110.88
Sample Date				3/5/2018	11/1/2018	3/28/2019	10/29/2019	6/1/2020	10/22/2020	3/25/2021
EPA Method 6010 Priority Pollutant Metals	Antimony	ug/L	3	9	ND	ND	ND J	ND	ND	ND
	Arsenic		25	ND	ND	ND	2.90	ND	ND	ND
	Beryllium		11***	ND	ND	ND	ND	ND	ND	ND
	Cadmium		5	ND	ND	ND J	ND	10	ND	ND
	Chromium		50	ND	ND	ND J	ND	13	ND	ND
	Copper		200	13	ND	ND	1.86	ND	24	ND
	Lead		25	ND	ND	ND J	ND	ND	ND	7
	Nickel		100	ND	11	ND J	3.52	321	ND	ND
	Selenium		10	99	35 J	102 J	3.29 J	9.7 J	54	70
	Silver		50	ND	ND	ND	ND	ND	ND	ND
	Thallium		8	ND	ND	ND	ND	ND	ND	ND
	Zinc		NS/2,000	ND	ND	ND	8.32 J	ND	ND	ND
	Mercury		0.7	ND	ND	ND	ND	ND	ND	ND

Table 2: Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample ID		MW-6			
Sample Date		3/5/2018		10/22/2020	
Analyte		Units	Part 703 Groundwater Standard	Post-Remedy Results	
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND J
	1,1,1-Trichloroethane		5*	0.38 J	ND
	1,1,2,2-Tetrachloroethane		5*	ND	ND
	1,1,2-Trichloroethane		1	ND	ND J
	1,1-Dichloroethane		5*	0.29 J	0.54
	1,1-Dichloroethylene		5*	ND	ND
	1,1-Dichloropropylene		NS/5	--	--
	1,2,3-Trichlorobenzene		5*	ND J	ND
	1,2,3-Trichloropropane		0.04	ND	ND J
	1,2,3-Trimethylbenzene		5*	--	--
	1,2,4-Trichlorobenzene		5*	ND	ND
	1,2,4-Trimethylbenzene		5*	ND	ND J
	1,2-Dibromo-3-chloropropane		0.04	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND J
	1,2-Dichloroethane		0.6	ND	ND
	1,2-Dichloroethylene (Total)		5*	12.38 J	4.2
	1,2-Dichloropropane		1	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND J
	1,3-Dichlorobenzene		3**	ND	ND J
	1,3-Dichloropropane		5*	--	--
	1,4-Dichlorobenzene		3**	ND	ND J
	1-Chlorohexane		NS	--	--
	2,2-Dichloropropane		5*	--	--
	2-Chlorotoluene		5*	--	--
	4-Chlorotoluene		5*	--	--
	Benzene		1	ND	ND J
	Bromobenzene		5*	--	--
	Bromochloromethane		5*	ND	ND
	Bromodichloromethane		NS/50	ND	ND
	Bromoform		NS/50	ND	ND
	Bromomethane		5*	ND J	ND J
	Carbon Tetrachloride		5	ND	ND
	Chlorobenzene		5*	ND	ND J
	Chloroethane		5*	ND	ND
	Chloroform		7	ND	ND
	Chloromethane		NS/5	ND	ND
	cis-1,3-Dichloropropylene		0.4**	ND	ND
	Dibromochloromethane		NS/50	ND	ND
	Dibromomethane		5*	ND	ND
	Dichlorodifluoromethane		5*	ND J	ND J
	Ethylbenzene		5*	ND	ND J
	Hexachlorobutadiene		0.5	ND	ND
	Isopropylbenzene		5*	ND	ND J
	Methyl tert-butyl ether (MTBE)		NS/10	ND	ND
	Methylene chloride		5*	ND	ND
	Naphthalene		10	--	--
	n-Butylbenzene		5*	ND	ND J
	n-Propylbenzene		5*	ND	ND J
	o-Xylene		5*	ND	ND
	p-&m-Xylenes		5*	ND	ND
	p-Isopropyltoluene		5*	ND	ND J
	sec-Butylbenzene		5*	ND	ND J
	Styrene		5*	ND	ND
	tert-Butylbenzene		5*	ND	ND J
	Tetrachloroethylene		5*	ND	ND J
	Toluene		5*	ND	ND J
	trans-1,3-Dichloropropylene		0.4**	ND	ND J
	Trichloroethylene		5*	26	5.4
	Trichlorofluoromethane		5*	ND	ND J
	Vinyl chloride		2	0.23 J	ND J
TOTAL CVOCs				39.28	10.14

Table 2: Groundwater Monitoring Data

BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

Sample ID			MW-7				
Sample Date			3/5/2018	3/28/2019	6/1/2020	3/25/2021	
Analyte		Units	Part 703 Groundwater Standard	Post-Remedy Results			
EPA Method 8260 Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	5*	ND	ND	ND	ND
	1,1,1-Trichloroethane		5*	1.5	0.28 J	1.20	1.4
	1,1,2,2-Tetrachloroethane		5*	ND	ND	ND	ND
	1,1,2-Trichloroethane		1	ND	ND	ND	ND
	1,1-Dichloroethane		5*	3.6	0.29 J	3.6	3.8
	1,1-Dichloroethylene		5*	0.25 J	ND	0.22 J	ND
	1,1-Dichloropropylene		NS/5	--	--	--	--
	1,2,3-Trichlorobenzene		5*	ND J	ND	ND J	ND
	1,2,3-Trichloropropane		0.04	ND	ND	ND	ND
	1,2,3-Trimethylbenzene		5*	--	--	--	--
	1,2,4-Trichlorobenzene		5*	ND	ND	ND J	ND
	1,2,4-Trimethylbenzene		5*	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane		0.04	ND	ND	ND	ND
	1,2-Dibromoethane		NS/5	ND	ND	ND	ND
	1,2-Dichlorobenzene		3**	ND	ND	ND	ND
	1,2-Dichloroethane		0.6	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)		5*	11.35 J	8.70	11.47 J	10.44 J
	1,2-Dichloropropane		1	ND	ND	ND	ND
	1,3,5-Trimethylbenzene		5*	ND	ND	ND	ND
	1,3-Dichlorobenzene		3**	ND	ND	ND	ND
	1,3-Dichloropropane		5*	--	--	--	--
	1,4-Dichlorobenzene		3**	ND	ND	ND	ND
	1-Chlorohexane		NS	--	--	--	--
	2,2-Dichloropropane		5*	--	--	--	--
	2-Chlorotoluene		5*	--	--	--	--
	4-Chlorotoluene		5*	--	--	--	--
	Benzene		1	ND	ND	0.20 J	ND
	Bromobenzene		5*	--	--	--	--
	Bromochloromethane		5*	ND	ND	ND	ND
	Bromodichloromethane		NS/50	ND	ND	ND	ND
	Bromoform		NS/50	ND	ND J	ND J	ND
	Bromomethane		5*	ND	ND J	ND J	ND
	Carbon Tetrachloride		5	ND	ND	ND	ND
	Chlorobenzene		5*	ND	ND	ND	ND
	Chloroethane		5*	ND	ND	ND	ND
	Chloroform		7	0.32 J	ND	ND	ND
	Chloromethane		NS/5	ND	ND	3.0 J	ND
	cis-1,3-Dichloropropylene		0.4**	ND	ND	ND J	ND
	Dibromochloromethane		NS/50	ND	ND	ND J	ND
	Dibromomethane		5*	ND	ND	ND	ND
	Dichlorodifluoromethane		5*	ND	ND	ND J	ND
	Ethylbenzene		5*	ND	ND	ND	ND
	Hexachlorobutadiene		0.5	ND	ND J	ND	ND
	Isopropylbenzene		5*	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)		NS/10	ND	ND	ND	ND
	Methylene chloride		5*	ND	ND	ND	ND
	Naphthalene		10	--	--	--	--
	n-Butylbenzene		5*	ND	ND J	ND	ND
	n-Propylbenzene		5*	ND	ND	ND	ND
	o-Xylene		5*	ND	ND	ND	ND
p-&m-Xylenes	5*	ND	ND	ND	ND		
p-Isopropyltoluene	5*	ND	ND	ND	ND		
sec-Butylbenzene	5*	ND	ND	ND	ND		
Styrene	5*	ND	ND	ND	ND		
tert-Butylbenzene	5*	ND	ND	ND J	ND		
Tetrachloroethylene	5*	ND	ND	ND	ND		
Toluene	5*	ND	ND	ND	ND		
trans-1,3-Dichloropropylene	0.4**	ND	ND	ND J	ND		
Trichloroethylene	5*	39	17	38	36		
Trichlorofluoromethane	5*	ND	ND	ND	ND		
Vinyl chloride	2	2.9	ND	1.7 J	0.48 J		
TOTAL CVOCs			58.92	26.27	58.39	52.12	

Table 2: Groundwater Monitoring Data

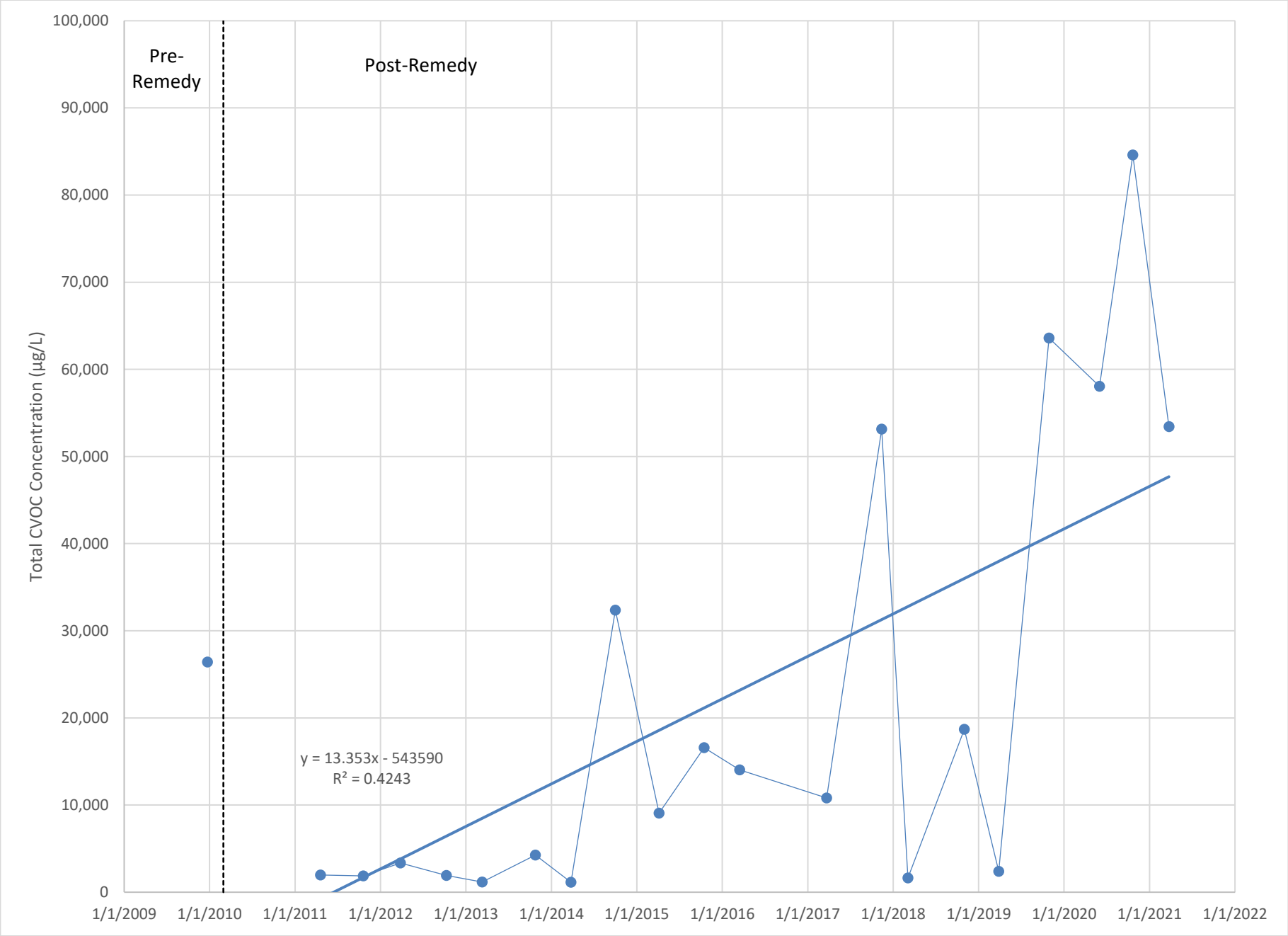
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)

Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

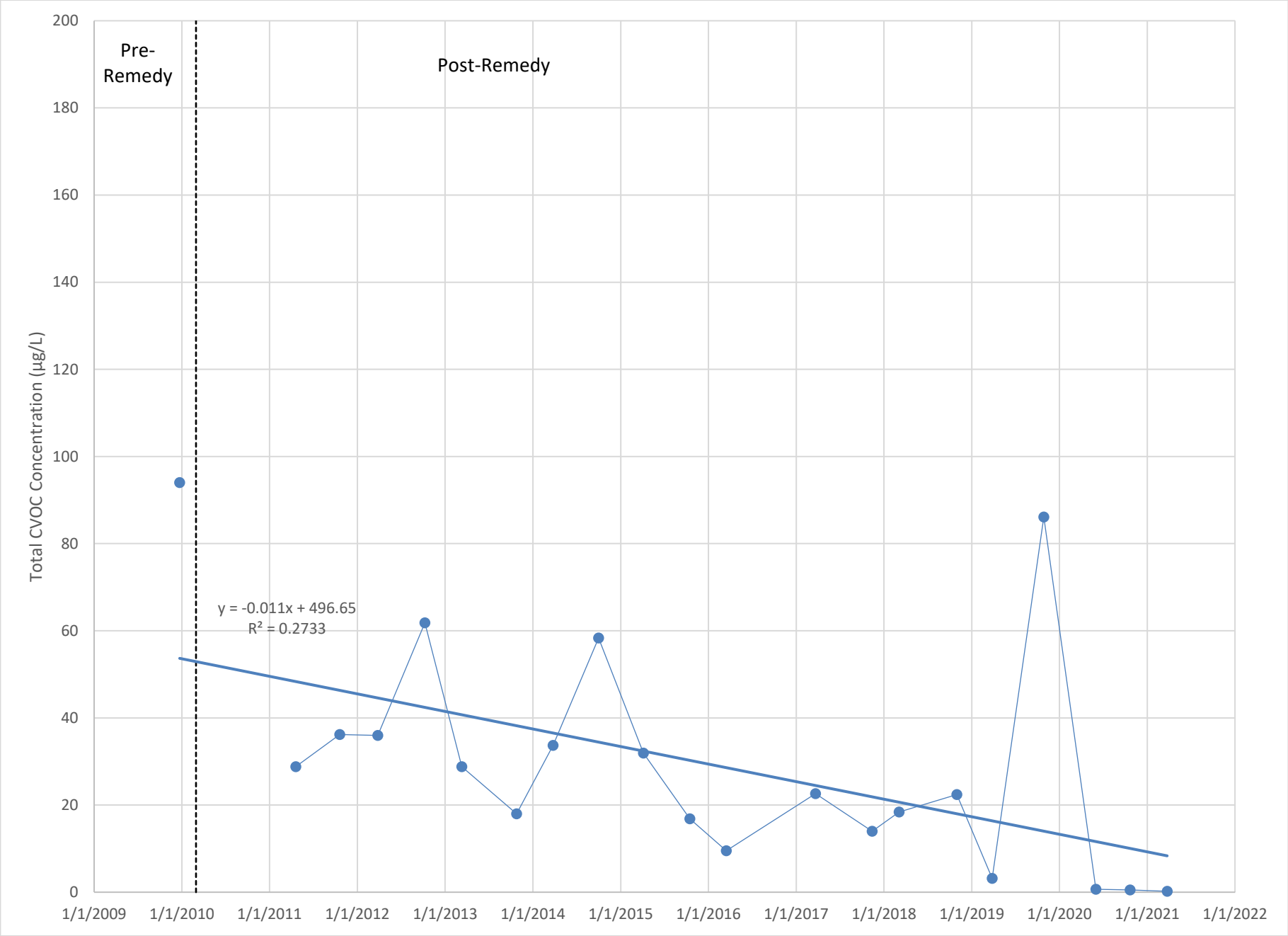
NOTES:

- 1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
- 2) ** denotes that this standard applies to the sum of both isomers
- 3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
- 4) NS = No standard exists in Part 703 for this compound; NS/# denotes the TOGS 1.1.1 Groundwater Standard where there is no Part 703 standard
- 5) ND = Not detected
- 6) '-- = Not analyzed for this compound.
- 7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
- 8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate. If present following the ND flag, this indicates that the relevant detection is estimated due to quality control performance.
- 9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboratory artifact.
- 10) The flag DJ denotes a concentration resulting from analysis of a diluted sample due to initial results exceeding the instrument calibration range. The posted concentration is also estimated due to quality control performance.
- 11) The flag Di denotes a result taken from a (filtered) dissolved metals analysis run rather than from an (unfiltered) total metals analysis run. This is due to total metals results being elevated due to sample turbidity.
- 12) The flag R denotes a result rejected during data validation.

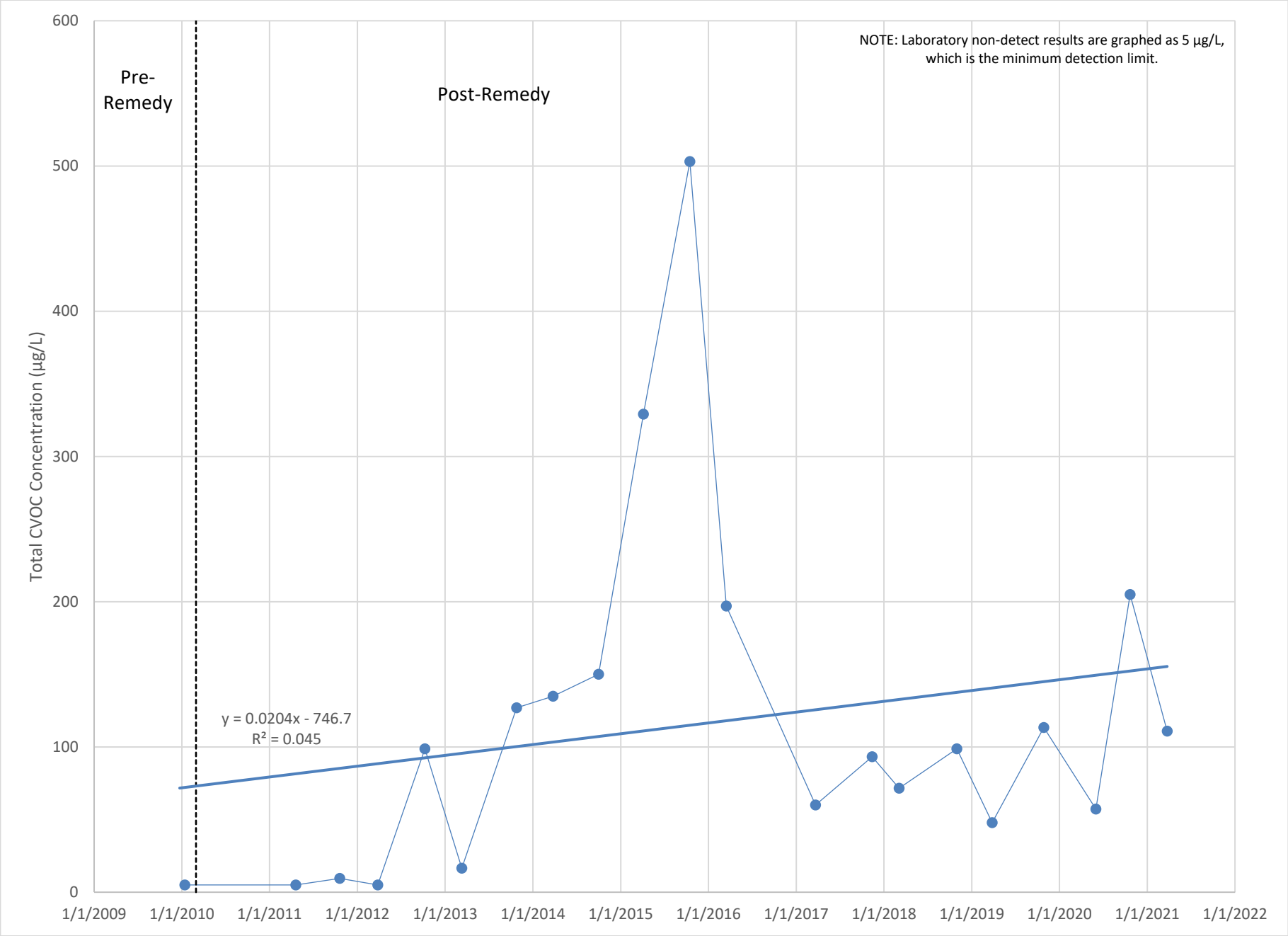
Graph 1: Linear Regression of Total CVOCs in Monitoring Well MW-1
Former Utility Platers/Kingston Diagnostics Site, 167 Schwenck Drive, City of Kingston, Ulster County, New York



Graph 2: Linear Regression of Total CVOCs in Monitoring Well MW-2
Former Utility Platers/Kingston Diagnostics Site, 167 Schwenck Drive, City of Kingston, Ulster County, New York



Graph 3: Linear Regression of Total CVOCs in Monitoring Well MW-5
Former Utility Platers/Kingston Diagnostics Site, 167 Schwenck Drive, City of Kingston, Ulster County, New York



Appendix A:
Field Sampling Data Sheets, SSDS Monitoring Forms,
Site-Wide Inspection Forms, Photo Log

SITE INSPECTION REPORT

Person performing Inspection: Eric J. Orlowski, PG Date: 10/22/2020 Weather: Clear/sunny, 50s deg F, breezy
 Signature:  Page: 1 of 2

X

SOIL COVER SYSTEM INSPECTION

Chestlist Items:	Acceptable	Not Acceptable	Remarks/Locations
There is no evidence of erosion of cover soils/materials from Site surface.	☒	☐	
There is no evidence of depressions in cover materials.	☒	☐	
There is no evidence of significant cracks in cover materials.	☒	☐	
There is no evidence of exposed or damaged demarcation barrier.	☒	☐	
There is no evidence of vapors or odors emanating from the Site.	☒	☐	

VEGETATIVE INSPECTION

Vegetation is well established over greenspace areas.	☒	☐	
There is no evidence of stressed vegetation.	☒	☐	
There is no evidence of bare or thin vegetative cover.	☒	☐	
There is no evidence of overgrowth or areas that need to be mowed.	☒	☐	
There is no evidence of recent areas of excavation or disturbed areas.	☒	☐	

VECTOR INSPECTION

No vectors or vector activity (e.g. tracks, droppings, dens, etc.) were observed.	☒	☐	
There was no evidence of damage to the soil cover system due to the vector activity.	☒	☐	

DRAINAGE SYSTEM INSPECTION

There is no evidence of erosion around drainage structures.	☒	☐	
There is no evidence of settlement of drainage structures	☒	☐	
Manhole covers present and in good condition.	☒	☐	
There is no evidence of siltation, debris, or other restrictions in the manholes.	☒	☐	
There are no exposed or damaged weep hole extension along retaining wall.	☒	☐	

SITE INSPECTION REPORT

Person performing Inspection: Eric J. Orlowski, PG Date: 10/22/2020 Weather: Clear/sunny, 50s deg F, breezy
 Signature:  Page: 2 of 2

MONITORING WELL INSPECTION

Chestlist Items:	Acceptable	Not Accpetable	Remarks/Locations
The monitoring wells are in generally good condition.	☒	☐	
Well Caps are installed on the wells.	☒	☐	
Locks present and secured.	☐	☐	Not applicable - wells are all finished as flush-mounts and do not have locks.

SITE ACCESSIBILITY INSPECTION

Site accessible and passable.	☒	☐	

INSTITUTIONAL CONTROL INSPECTION

The Site continues to be utilized for commerical or restricted residential uses only.	☒	☐	
There is no evidence of groundwater extraction and/or use on Site. drainage structures	☒	☐	

ADDITIONAL NOTES & OBSERVATIONS

Kingston CVS Site

SSDS Inspection Worksheet

Date: 10/22/2020	Inspector: Eric Orlowski, PG		
	Yes	No	General Comments/Notes
Is the system running normally?	X		
Is the indicator light functioning?	X		
Is the electrical/ control panel secure?	X		
Does the inlet pipe (copper) feel cool/cold to the touch?	X		
Does the outlet pipe (copper) feel warm but not hot?	X		
Is the stack clear and evenly discharging air?	X		
Is there any water being exhausted from the stack?		X	
Does the effluent air have any noticeable odor?		X	
Does the blower feel warm but not hot?	X		
Does the blower sound as if it's running smoothly?	X		

<i>System Readings</i>		
Time	Pressure (in WC)	PID (ppm)
1545	0.2	0.0

GROUNDWATER SAMPLING FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: KC-MW-01 1020
 Well ID: MW-01
 Project Name: KINGSTON CVS
 Sample Location: KINGSTON, NY

Sample Time: 14:49
 Sample Date: 10/22/2020
 Sample Tech(s): E. ORLOWSKI
 Project and Task #: 41103.20
 Project Manager: E. ORLOWSKI

Sample Matrix (circle): Groundwater
 Surface Water
 Drinking Water
 Soil
 Air
 Other:

WELL INFORMATION:

Well Condition: Good.

Lock Type: NONE - FLUSH MOUNT

Key #: NA

PURGE DATA:

Measuring Point: TOC-PVC (B)
 Depth to Bottom: 26.20
 Depth to Water: 15.79
 Water Column Height: (A) 10.41
 (depth to bottom - depth to water)
 # of Volumes to be Purged: (C) N/A
 Gal. to be Purged: (AxBxC) N/A

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: PERISTALTIC - LOW FLOW
 Start Date: 10/22/2020
 Start Time: 2:23:00 PM
 Stop Time: 2:48:00 PM
 Purge Rate (gpm): 0.06
 Elapsed Time (min): 25
 Well Vol. Purged (#): 0.9
 Purge Vol. (gal): 1.5
 Well went dry? No Yes
 Conditions: No Odor Odor - sewage
Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged gal	Date & Time	Depth to Water ft	Temp deg C	SpCond uS/cm ^c	Cond. uS/cm	Turbidity NTU	TDS g/L	Odor	DO mg/L	pH	ORP mV	
0.0	14:23	15.79	12.9	2869	2207	Turbid	1.8720	Sewage		6.94	-24.9	
0.30	14:28	17.01	12.4	2901	2201	373.4	1.8850	Sewage		6.93	-26.1	
0.60	14:33	18.25	12.5	2901	2208	214.8	1.8850	Sewage		6.93	-30.9	
0.90	14:38	19.87	12.7	2899	2219	272.5	1.8850	Sewage		6.92	-34.4	
1.20	14:43	21.14	12.9	2897	2225	240.4	1.8850	Sewage		6.92	-36.1	
1.50	14:48	21.95	12.9	2903	2234	284.8	1.8915	Sewage		6.92	-36.5	

SAMPLE INFORMATION:

Sample Method: PERISTALTIC (Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)
 Sample Type: Grab Composite
 Sample Depth: _____
 Weather: MOSTLY SUNNY Barometric Pres.: _____ Wind: BREEZY
 Air Temp.(°F): 50s

Notes:

FIELD DUPLICATE COLLECTED HERE (KC-MW-DUP 1020)

LAB REQUESTS:

Laboratory Name: YORK Analysis/Method: TCL VOCS BY 8260 Turn Around Time: STANDARD
PRIORITY POLLUTANT METALS
DISSOLVED P. P. METALS

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: KC-MW-06 1020
 Well ID: MW-06
 Project Name: KINGSTON CVS
 Sample Location: KINGSTON, NY

Sample Time: 15:25
 Sample Date: 10/22/2020
 Sample Tech(s): E. ORLOWSKI
 Project and Task #: 41103.20
 Project Manager: E. ORLOWSKI

Sample Matrix (circle): Groundwater Soil
 Surface Water Air
 Drinking Water Other:

WELL INFORMATION:

Well Condition: Good.

Lock Type: NONE - FLUSH MOUNT

Key #: NA

PURGE DATA:

Measuring Point: TOC-PVC (B)
 Depth to Bottom: 30.00 Pipe Width Gal/Foot
 Depth to Water: 15.94 **1.0"** **0.041**
 Water Column Height: (A) 14.06
 (depth to bottom - depth to water)
 # of Volumes to be Purged: (C) N/A
 Gal. to be Purged: (AxBxC) N/A

Purge Method: PERISTALTIC - LOW FLOW
 Start Date: 10/22/2020
 Start Time: 1:11:00 PM
 Stop Time: 1:36:00 PM
 Purge Rate (gpm): 0.04
 Elapsed Time (min): 25
 Well Vol. Purged (#): 1.9
 Purge Vol. (gal): 1.1

Well went dry? No Yes
 Conditions: **No Odor** Odor
 Clear **Slightly-Turbid** Turbid

FIELD RESULTS:

Gal purged gal	Date & Time	Depth to Water ft	Temp deg C	SpCond uS/cm ^c	Cond. uS/cm	Turbidity visual	TDS g/L	Odor	DO mg/L	pH	ORP mV	
0.0	13:11	15.94	24.2	3537	2753	Turbid	2.3010	None		7.02	-25.3	
0.22	13:16	19.59	12.2	3565	2692	Turbid	2.3205	None		7.01	-49.6	
0.44	13:21	22.92	12.3	3612	2734	Moderate	2.3465	None		7.03	-28.9	
	13:26	Stopped low flow sampling and redeveloped heavy silt/clay from well screen										
1.10	13:36	Well Went Dry										
SAMPLE	15:25	17.35	13.3	3219	2503	208.4 NTU	2.0930	None		7.11	-3.2	

SAMPLE INFORMATION:

Sample Method: PERISTALTIC (Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)

Sample Type: Grab Composite

Weather: MOSTLY SUNNY

Sample Depth: _____

Barometric Pres.: _____

Wind: BREEZY

Air Temp.(°F): 50s

Notes:

LAB REQUESTS:

Laboratory Name: YORK

Analysis/Method: TCL VOCS BY 8260

Turn Around Time: STANDARD

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

SITE INSPECTION REPORT

Person performing Inspection: Eric J. Orlowski, PG Date: 03/25/2021 Weather: Clear/sunny, low 70s deg F, lt. breeze
 Signature:  Page: 1 of 2

X

SOIL COVER SYSTEM INSPECTION

Chestlist Items:	Acceptable	Not Acceptable	Remarks/Locations
There is no evidence of erosion of cover soils/materials from Site surface.	☒	☐	
There is no evidence of depressions in cover materials.	☒	☐	
There is no evidence of significant cracks in cover materials.	☒	☐	
There is no evidence of exposed or damaged demarcation barrier.	☒	☐	
There is no evidence of vapors or odors emanating from the Site.	☒	☐	

VEGETATIVE INSPECTION

Vegetation is well established over greenspace areas.	☒	☐	
There is no evidence of stressed vegetation.	☒	☐	
There is no evidence of bare or thin vegetative cover.	☒	☐	
There is no evidence of overgrowth or areas that need to be mowed.	☒	☐	
There is no evidence of recent areas of excavation or disturbed areas.	☒	☐	

VECTOR INSPECTION

No vectors or vector activity (e.g. tracks, droppings, dens, etc.) were observed.	☒	☐	
There was no evidence of damage to the soil cover system due to the vector activity.	☒	☐	

DRAINAGE SYSTEM INSPECTION

There is no evidence of erosion around drainage structures.	☒	☐	
There is no evidence of settlement of drainage structures	☒	☐	
Manhole covers present and in good condition.	☒	☐	
There is no evidence of siltation, debris, or other restrictions in the manholes.	☒	☐	
There are no exposed or damaged weep hole extension along retaining wall.	☒	☐	

SITE INSPECTION REPORT

Person performing Inspection: Eric J. Orlowski, PG Date: 03/25/2021 Weather: Clear/sunny, low 70s deg F, lt. breeze
 Signature:  Page: 2 of 2

MONITORING WELL INSPECTION

Chestlist Items:	Acceptable	Not Accpetable	Remarks/Locations
The monitoring wells are in generally good condition.	☒	☐	
Well Caps are installed on the wells.	☒	☐	
Locks present and secured.	☐	☐	Not applicable - wells are all finished as flush-mounts and do not have locks.

SITE ACCESSIBILITY INSPECTION

Site accessible and passable.	☒	☐	

INSTITUTIONAL CONTROL INSPECTION

The Site continues to be utilized for commerical or restricted residential uses only.	☒	☐	
There is no evidence of groundwater extraction and/or use on Site. drainage structures	☒	☐	

ADDITIONAL NOTES & OBSERVATIONS

Kingston CVS Site SSDS Inspection Worksheet

Date: 3/25/2021	Inspector: Eric J. Orlowski, PG		
	Yes	No	General Comments/Notes
Is the system running normally?	X		
Is the indicator light functioning?	X		
Is the electrical/ control panel secure?	X		
Does the inlet pipe (copper) feel cool/cold to the touch?	X		
Does the outlet pipe (copper) feel warm but not hot?	X		
Is the stack clear and evenly discharging air?	X		
Is there any water being exhausted from the stack?		X	
Does the effluent air have any noticeable odor?		X	
Does the blower feel warm but not hot?	X		
Does the blower sound as if it's running smoothly?	X		

System Readings		
Time	Pressure (in WC)	PID (ppm)
1520	0.21	0.0

GROUNDWATER SAMPLING FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: KC-MW-01 0321
 Well ID: MW-01
 Project Name: KINGSTON CVS
 Sample Location: KINGSTON, NY

Sample Time: 15:00
 Sample Date: 3/25/2021
 Sample Tech(s): E. ORLOWSKI
 Project and Task #: 41103.20
 Project Manager: E. ORLOWSKI

Sample Matrix (circle): Groundwater Soil
 Surface Water Air
 Drinking Water Other:

WELL INFORMATION:

Well Condition: Good.

Lock Type: NONE - FLUSH MOUNT

Key #: NA

PURGE DATA:

Measuring Point: TOC-PVC (B)
 Depth to Bottom: 26.20 Pipe Width Gal/Foot
 Depth to Water: 14.87 1.0" 0.041
 Water Column Height: (A) 11.33 1.5" 0.092
 (depth to bottom - depth to water) 2.0" 0.163
 # of Volumes to be Purged: (C) 2.5" 0.255
N/A 3.0" 0.367
 4.0" 0.653
 6.0" 1.469
 8.0" 2.611
 Gal. to be Purged: (AxBxC) N/A

Purge Method: PERISTALTIC - LOW FLOW
 Start Date: 3/25/2021
 Start Time: 2:34:00 PM
 Stop Time: 2:59:00 PM
 Purge Rate (gpm): 0.04
 Elapsed Time (min): 25
 Well Vol. Purged (#): 0.6
 Purge Vol. (gal): 1.1
 Well went dry? No Yes
 Conditions: No Odor Odor
 Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged gal	Date & Time	Depth to Water ft	Temp deg C	SpCond uS/cm ^c	Cond. uS/cm	Turbidity NTU	TDS g/L	Odor	DO mg/L	pH	ORP mV	
0.0	14:34	14.87	10.3	2620	1896	Moderate	1.7095	None	5.17	6.69	-55.7	
0.22	14:39	15.11	10.9	2758	2015	Moderate	1.7940	None	1.06	6.58	-43.8	
0.44	14:44	15.12	10.7	2791	2028	252.8	1.8135	None	0.71	6.61	-45.0	
0.66	14:49	15.15	10.5	2794	2018	173.6	1.8135	None	0.55	6.65	-45.9	
0.88	14:54	15.16	10.3	2795	2008	249.7	1.8135	None	0.50	6.67	-38.3	
1.10	14:59	15.17	10.3	2786	2005	273.5	1.8135	None	0.46	6.69	-34.7	

SAMPLE INFORMATION:

Sample Method: PERISTALTIC (Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)
 Sample Type: Grab Composite Sample Depth: _____
 Weather: MOSTLY SUNNY Barometric Pres.: _____ Wind: LIGHT BREEZE
 Air Temp.(°F): low 70s

Notes:

FIELD DUPLICATE COLLECTED HERE (KC-MW-DUP 0321)

LAB REQUESTS:

Laboratory Name: YORK

Analysis/Method: TCL VOCs BY 8260
PRIORITY POLLUTANT METALS
DISSOLVED P. P. METALS

Turn Around Time: STANDARD

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

GROUNDWATER SAMPLING FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: <u>KC-MW-02 0321</u>	Sample Time: <u>12:07</u>	Sample Matrix (circle): <u>Groundwater</u>
Well ID: <u>MW-02</u>	Sample Date: <u>3/25/2021</u>	Soil ☐
Project Name: <u>KINGSTON CVS</u>	Sample Tech(s): <u>E. ORLOWSKI</u>	Air ☐
Sample Location: <u>KINGSTON, NY</u>	Project and Task #: <u>41103.20</u>	Drinking Water ☐
	Project Manager: <u>E. ORLOWSKI</u>	Other: ☐

WELL INFORMATION:

Well Condition: Good.

Lock Type: NONE - FLUSH MOUNT Key #: NA

PURGE DATA:

Measuring Point: <u>TOC-PVC</u> (B) Depth to Bottom: <u>24.50</u> Pipe Width: <u>1.0"</u> Gal/Foot: <u>0.041</u> Depth to Water: <u>10.23</u> <u>1.5"</u> <u>0.092</u> Water Column Height: (A) <u>14.27</u> (B) <u>2.0"</u> <u>0.163</u> (depth to bottom - depth to water) # of Volumes to be Purged: (C) <u>N/A</u> Gal. to be Purged: (AxBxC) <u>N/A</u>	Purge Method: <u>PERISTALTIC - LOW FLOW</u> Start Date: <u>3/25/2021</u> Start Time: <u>11:41:00 AM</u> Stop Time: <u>12:06:00 PM</u> Purge Rate (gpm): <u>0.05</u> Elapsed Time (min): <u>25</u> Well Vol. Purged (#): <u>0.6</u> Purge Vol. (gal): <u>1.3</u> Well went dry? ☒ No Conditions: ☒ No Odor ☐ Slightly-Turbid ☐ Odor ☐ Turbid

FIELD RESULTS:

Gal purged gal	Date & Time	Depth to Water ft	Temp deg C	SpCond uS/cm ^c	Cond. uS/cm	Turbidity NTU	TDS g/L	Odor	DO mg/L	pH	ORP mV	
0.0	11:41	10.23	8.9	5168	3585	4.78	3.3670	None	3.02	6.43	-29.6	
0.26	11:46	10.85	8.7	5283	3646	3.07	3.4255	None	1.35	6.50	-40.2	
0.52	11:51	11.38	8.7	4234	2913	9.43	2.7170	None	1.80	6.60	-11.2	
0.78	11:56	12.06	8.2	3391	2300	8.80	2.1970	None	5.78	6.95	18.1	
1.04	12:01	12.54	8.0	3315	2239	9.54	2.1515	None	6.38	7.00	23.0	
1.3	12:06	13.46	8.1	3297	2233	8.17	2.1450	None	6.43	7.02	26.6	

SAMPLE INFORMATION:

Sample Method: PERISTALTIC (Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)

Sample Type: Grab Composite

Weather: MOSTLY CLOUDY Sample Depth: Wind: BREEZY

Barometric Pres.: Air Temp.(°F): 60ish

Notes:

LAB REQUESTS:

Laboratory Name: <u>YORK</u>	Analysis/Method: <u>TCL VOCS BY 8260</u>	Turn Around Time: <u>STANDARD</u>
	<u>PRIORITY POLLUTANT METALS</u>	

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: KC-MW-07 0321
 Well ID: MW-07
 Project Name: KINGSTON CVS
 Sample Location: KINGSTON, NY

Sample Time: 13:59
 Sample Date: 3/25/2021
 Sample Tech(s): E. ORLOWSKI
 Project and Task #: 41103.20
 Project Manager: E. ORLOWSKI

Sample Matrix (circle): Groundwater
 Surface Water
 Drinking Water
 Soil
 Air
 Other:

WELL INFORMATION:

Well Condition: Good.

Lock Type: NONE - FLUSH MOUNT

Key #: NA

PURGE DATA:

Measuring Point: TOC-PVC **(B)**
 Depth to Bottom: 27.60 Pipe Width Gal/Foot
 Depth to Water: 10.10 **1.0"** **0.041**
 Water Column Height: **(A)** 17.50
 (depth to bottom - depth to water)
 # of Volumes to be Purged: **(C)**
N/A
 Gal. to be Purged: **(AxBxC)**
N/A

Purge Method: PERISTALTIC - LOW FLOW
 Start Date: 3/25/2021
 Start Time: 1:38:00 PM
 Stop Time: 1:58:00 PM
 Purge Rate (gpm): 0.03
 Elapsed Time (min): 20
 Well Vol. Purged (#): 0.8
 Purge Vol. (gal): 0.55

Well went dry?
 Conditions: **No** **No Odor** **Clear** **Slightly-Turbid** **Odor** **Turbid**

FIELD RESULTS:

Gal purged gal	Date & Time	Depth to Water ft	Temp deg C	SpCond uS/cm ^c	Cond. uS/cm	Turbidity NTU	TDS g/L	Odor	DO mg/L	pH	ORP mV	
0.0	13:38	10.10	10.5	2661	1916	164.3	1.7225	None	1.69	6.49	-38.4	
0.14	13:43	11.82	10.6	2586	1875	46.56	1.6770	None	1.22	6.54	-46.2	
0.27	13:48	11.98	10.4	2570	1849	33.96	1.6705	None	0.94	6.59	-47.3	
0.41	13:53	12.06	10.4	2558	1848	56.55	1.6640	None	0.86	6.63	-46.7	
0.55	13:58	12.09	10.4	2559	1849	51.02	1.6640	None	0.83	6.62	-44.3	

SAMPLE INFORMATION:

Sample Method: PERISTALTIC (Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)
 Sample Type: Grab Composite
 Sample Depth: _____
 Weather: MOSTLY SUNNY Barometric Pres.: _____ Wind: LIGHT BREEZE
 Air Temp.(°F): 70ish

Notes:

LAB REQUESTS:

Laboratory Name: YORK Analysis/Method: TCL VOCS BY 8260 Turn Around Time: STANDARD

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank



Photo #1

Description: Representative view (looking east) of site conditions at front of building.



Photo #2

Description: Representative view (looking west) of site conditions at rear of building.



Photo #3

Description: Representative view (looking northeast) of monitoring well MW-1 area.



Photo #4

Description: Representative view (looking northwest) of monitoring well MW-2 area, with low-flow sampling equipment deployed.



Photo #5

Description: Representative view (looking west) of monitoring well MW-5 area.

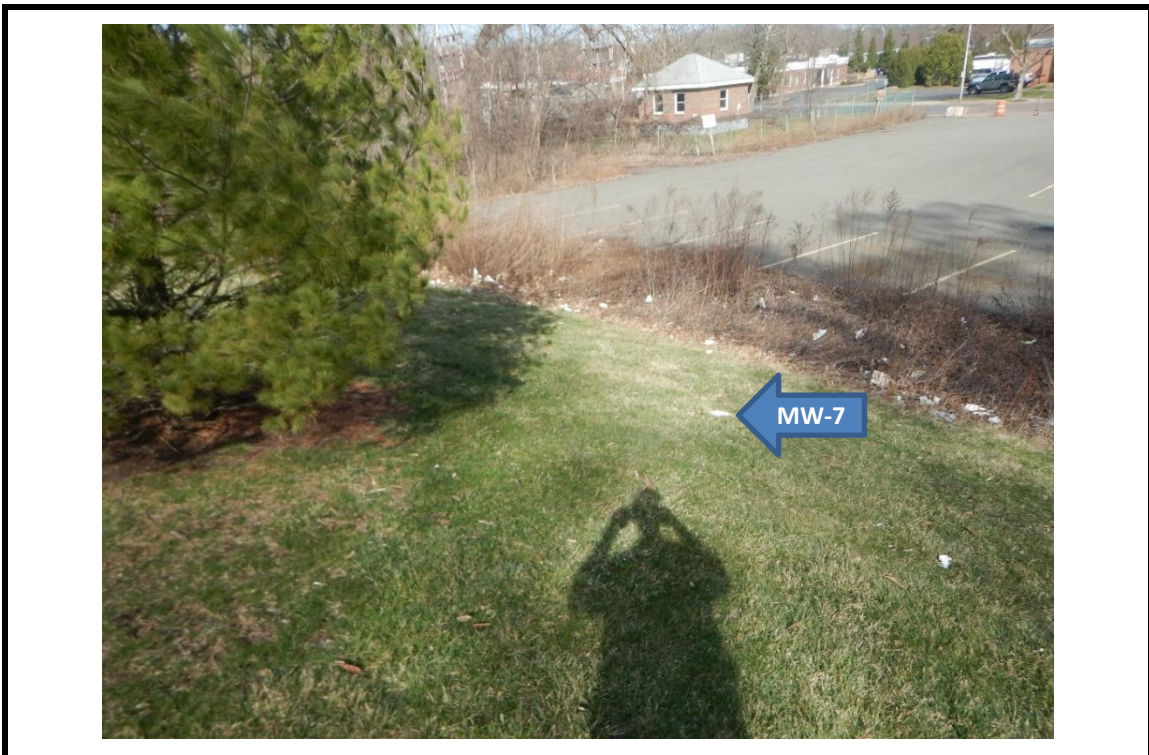


Photo #6

Description: Representative view (looking northeast) of monitoring well MW-7 area.

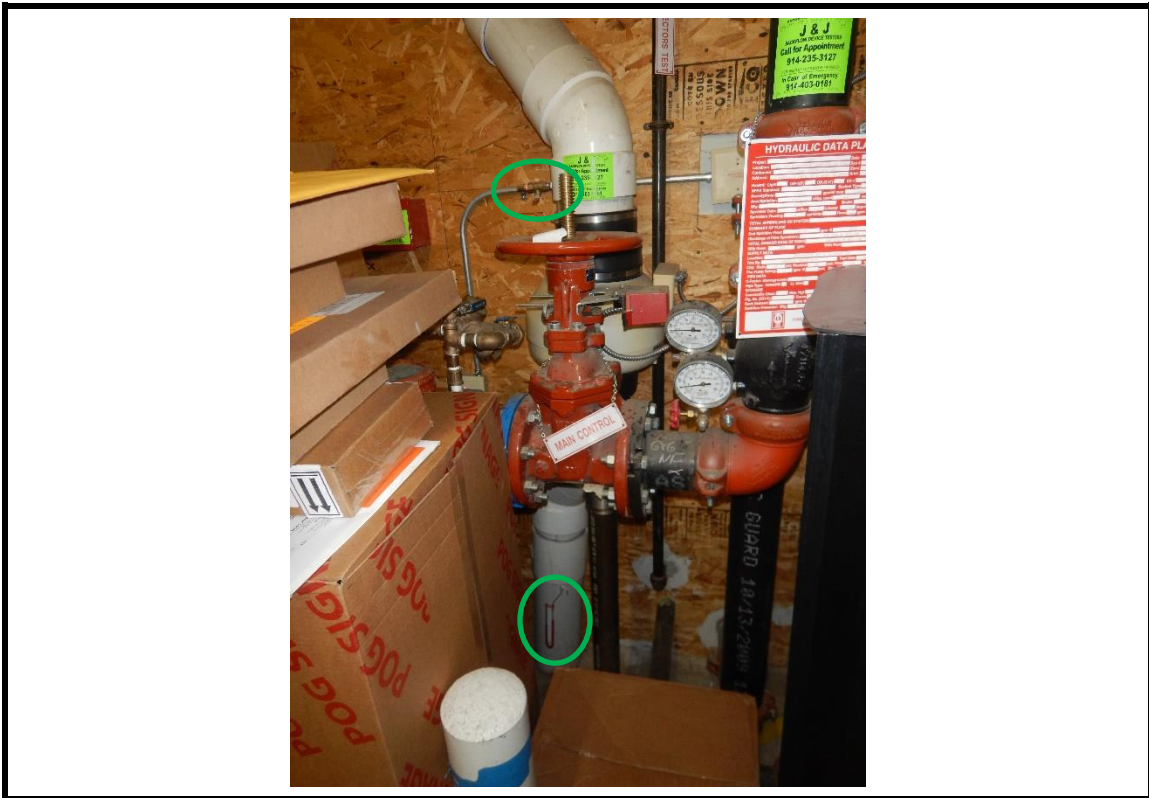


Photo #7

Description: Representative view of SSDS vent stack. Note vacuum gage and sample port (indicated by green ovals).



Photo #8

Description: Representative view of vent stack and roof penetration.

Appendix B:
Engineering Control/ Institutional Control
Certification Forms



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **C356035**

Site Name **Utility Platers, Inc./Kingston Diagnostics**

Site Address: 416 Washington Avenue/167 Schwenck Drive Zip Code: 12401
City/Town: Kingston
County: Ulster
Site Acreage: 1.730

Reporting Period: July 01, 2020 to July 01, 2021

YES NO

1. Is the information above correct? ☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Restricted-Residential, Commercial, and Industrial

7. Are all ICs in place and functioning as designed? ☒ ☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? ☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? ☒ ☐
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C356035**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**48.314-1-11.1**

Woodhaven National Management LLC

Soil Management Plan
Monitoring Plan
O&M Plan
IC/EC Plan

Landuse Restriction
Site Management Plan
Ground Water Use Restriction

(1) The Controlled Property may be used for: "Restricted-residential use," "Commercial use" and/or "Industrial use", as described within 6 NYCRR Part 375-1.8(g)(2) (ii), (iii) and (iv).

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.

(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

(9) Access to the site must be provided to agents, employees or other representatives of the state of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

Box 4**Description of Engineering Controls**ParcelEngineering Control**48.314-1-11.1**

Cover System
Vapor Mitigation

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C356035

Box 6

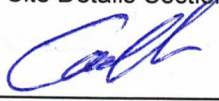
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gedalia Oberlander at 51 PARK LANE Monsey, NY
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5/23/21
Date

EC CERTIFICATIONS

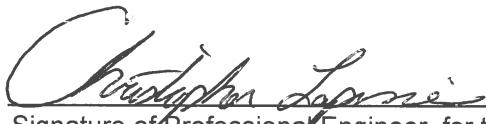
Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Christopher Lapine at The Chazen Companies,
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



Stamp
(Required for PE)

7/28/2021

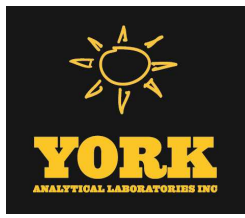
Date

Appendix C: Laboratory Data Reports (Digital File)

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Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)

21 Fox Street

Poughkeepsie NY, 12601

Attention: Eric Orlowski

Report Date: 11/04/2020

Client Project ID: 41103.20 Kingston CVS

York Project (SDG) No.: 20J1067

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/04/2020
Client Project ID: 41103.20 Kingston CVS
York Project (SDG) No.: 20J1067

Chazen Environmental Services (Poughkeepsie)

21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 23, 2020 and listed below. The project was identified as your project: **41103.20 Kingston CVS**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20J1067-01	KC-MW-01 1020	Water	10/22/2020	10/23/2020
20J1067-02	KC-MW-02 1020	Water	10/22/2020	10/23/2020
20J1067-03	KC-MW-05 1020	Water	10/22/2020	10/23/2020
20J1067-04	KC-MW-06 1020	Water	10/22/2020	10/23/2020
20J1067-05	KC-FD-01 1020	Water	10/22/2020	10/23/2020
20J1067-06	TRIP BLANK 1020	Water	10/22/2020	10/23/2020

General Notes for York Project (SDG) No.: 20J1067

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/04/2020





Sample Information

Client Sample ID: KC-MW-01 1020

York Sample ID: 20J1067-01

York Project (SDG) No.

20J1067

Client Project ID

41103.20 Kingston CVS

Matrix

Water

Collection Date/Time

October 22, 2020 2:49 pm

Date Received

10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	200		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	8000	8000	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		



Sample Information

Client Sample ID: KC-MW-01 1020

York Sample ID: 20J1067-01

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 2:49 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	200	400	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	40000		ug/L	200	500	1000	EPA 8260C	10/27/2020 09:30	10/27/2020 18:37	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-01 1020

York Sample ID: 20J1067-01

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 2:49 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	200	400	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	100	200	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	100	200	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	1400		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	37000		ug/L	200	500	1000	EPA 8260C	10/27/2020 09:30	10/27/2020 18:37	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	6800		ug/L	40	100	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	120	300	200	EPA 8260C	10/27/2020 09:30	10/27/2020 18:08	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.5 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								



Sample Information

Client Sample ID: KC-MW-01 1020

York Sample ID: 20J1067-01

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 2:49 pm

Date Received
10/23/2020

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-38-2	Arsenic	0.021		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-41-7	Beryllium	0.0006		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-43-9	Cadmium	0.008		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-47-3	Chromium	0.013		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-50-8	Copper	0.093		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7439-92-1	Lead	0.027		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-02-0	Nickel	0.383		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7782-49-2	* Selenium	0.123		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM
7440-66-6	Zinc	0.087		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:41	WJM

Metals, Priority Pollutant, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-50-8	Copper	0.046	B	mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-02-0	Nickel	0.351		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7782-49-2	* Selenium	0.126		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	10/29/2020 12:02	10/30/2020 11:10	WJM



Sample Information

Client Sample ID: KC-MW-01 1020

York Sample ID: 20J1067-01

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 2:49 pm

Date Received
10/23/2020

Metals, Priority Pollutant, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 12:02	10/30/2020 11:10	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/23/2020 12:12	10/23/2020 20:14	AA

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:25	10/29/2020 17:59	MAO

Sample Information

Client Sample ID: KC-MW-02 1020

York Sample ID: 20J1067-02

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:29 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:06	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:06	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:06	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:06	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:06	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:06	CLO



Sample Information

Client Sample ID: KC-MW-02 1020

York Sample ID: 20J1067-02

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:29 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				



Sample Information

Client Sample ID: KC-MW-02 1020

York Sample ID: 20J1067-02

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:29 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-02 1020

York Sample ID: 20J1067-02

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:29 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	0.32	J	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 19:06	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.7 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.1 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	105 %	79-122								

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D	10/29/2020 17:15	10/30/2020 11:45	WJM
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D	10/29/2020 17:15	10/30/2020 11:45	WJM
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D	10/29/2020 17:15	10/30/2020 11:45	WJM
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D	10/29/2020 17:15	10/30/2020 11:45	WJM
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-02 1020

York Sample ID: 20J1067-02

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:29 pm

Date Received
10/23/2020

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM
7440-50-8	Copper	0.032		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	10/29/2020 17:15	10/30/2020 11:45	WJM
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:45	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/23/2020 12:12	10/23/2020 20:24	AA

Sample Information

Client Sample ID: KC-MW-05 1020

York Sample ID: 20J1067-03

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 11:35 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:35	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:35	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:35	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 19:35	CLO



Sample Information

Client Sample ID: KC-MW-05 1020

York Sample ID: 20J1067-03

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 11:35 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-05 1020

York Sample ID: 20J1067-03

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 11:35 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	95		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-05 1020

York Sample ID: 20J1067-03

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 11:35 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	25	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	110		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	6.0	15	10	EPA 8260C	10/27/2020 09:30	10/27/2020 19:35	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								

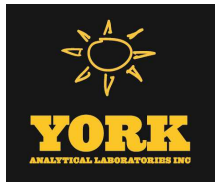
Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D	10/29/2020 17:15	10/30/2020 11:48	WJM
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D	10/29/2020 17:15	10/30/2020 11:48	WJM
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-05 1020

York Sample ID: 20J1067-03

York Project (SDG) No.

20J1067

Client Project ID

41103.20 Kingston CVS

Matrix

Water

Collection Date/Time

October 22, 2020 11:35 am

Date Received

10/23/2020

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-50-8	Copper	0.024		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7782-49-2	* Selenium	0.054		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:48	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/23/2020 12:12	10/23/2020 20:35	AA

Sample Information

Client Sample ID: KC-MW-06 1020

York Sample ID: 20J1067-04

York Project (SDG) No.

20J1067

Client Project ID

41103.20 Kingston CVS

Matrix

Water

Collection Date/Time

October 22, 2020 3:25 pm

Date Received

10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 22:59	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 22:59	CLO



Sample Information

Client Sample ID: KC-MW-06 1020

York Sample ID: 20J1067-04

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 3:25 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	0.54		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	0.74		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	2.7		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-06 1020

York Sample ID: 20J1067-04

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 3:25 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	4.2		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-06 1020

York Sample ID: 20J1067-04

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 3:25 pm

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	2.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	0.23	J	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	5.4		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	0.22	J	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 22:59	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: KC-FD-01 1020

York Sample ID: 20J1067-05

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:00 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	0.33	J	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	18		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	120	E	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-FD-01 1020

York Sample ID: 20J1067-05

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:00 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	0.83		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	0.26	J	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	1000	E	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-FD-01 1020

York Sample ID: 20J1067-05

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:00 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	1.1		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	740	E	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	800	E	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:28	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.0 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	86.2 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								



Sample Information

Client Sample ID: KC-FD-01 1020

York Sample ID: 20J1067-05

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 12:00 am

Date Received
10/23/2020

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-41-7	Beryllium	0.001		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-43-9	Cadmium	0.013		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-47-3	Chromium	0.031		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-50-8	Copper	0.119		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7439-92-1	Lead	0.046		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-02-0	Nickel	0.417		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7782-49-2	* Selenium	0.105		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM
7440-66-6	Zinc	0.162		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/29/2020 17:15	10/30/2020 11:51	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/23/2020 12:12	10/23/2020 20:45	AA

Sample Information

Client Sample ID: TRIP BLANK 1020

York Sample ID: 20J1067-06

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 9:45 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: TRIP BLANK 1020

York Sample ID: 20J1067-06

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 9:45 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO



Sample Information

Client Sample ID: TRIP BLANK 1020

York Sample ID: 20J1067-06

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 9:45 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
156-59-2	cis-1,2-Dichloroethylene	4.0	VOA-C O	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/27/2020 09:30	10/27/2020 23:58	CLO



Sample Information

Client Sample ID: TRIP BLANK 1020

York Sample ID: 20J1067-06

York Project (SDG) No.
20J1067

Client Project ID
41103.20 Kingston CVS

Matrix
Water

Collection Date/Time
October 22, 2020 9:45 am

Date Received
10/23/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VSAMP

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	0.22	VOA-C	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
			O, J				Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	4.3	VOA-C	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
			O				Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	0.58	VOA-C	ug/L	0.20	0.50	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
			O				Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/27/2020 09:30	10/27/2020 23:58	CLO
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	94.2 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122



CASE NARRATIVE

York Project/SDG No.: 20J1067
Client: Chazen Environmental Services (Poughkeepsie)
Client Project ID: 41103.20 Kingston CVS
Prepared for: Eric Orlowski

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **10/23/2020 13:55** as detailed on the chain-of-custody form.

The 6 sample(s) were received intact in a custody-sealed cooler(s), unless otherwise noted.

Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable ($\leq 6^{\circ}\text{C}$) and documented as:

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	2.4

Chain-of-custody was maintained from receipt through analysis in the laboratory.

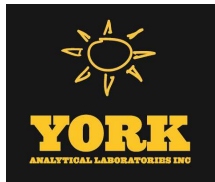
Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Client Sample Information and Non-Conformances

<u>Laboratory ID</u>	<u>Sample Name</u>	<u>Matrix</u>
20J1067-01	KC-MW-01 1020	Water
20J1067-02	KC-MW-02 1020	Water
20J1067-03	KC-MW-05 1020	Water
20J1067-04	KC-MW-06 1020	Water
20J1067-05	KC-FD-01 1020	Water
20J1067-06	TRIP BLANK 1020	Water

<u>Laboratory ID</u>	<u>Sample Name</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>Description</u>
20J1067-05	KC-FD-01 1020	Volatile Organics, 8260	-	VSAMP	The sample vials provided were consumed during analysis and no remaining sample was available for reanalysis.
20J1067-05	KC-FD-01 1020	Volatile Organics, 8260	1,1-Dichloroethylene	E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
20J1067-05	KC-FD-01 1020	Volatile Organics, 8260	cis-1,2-Dichloroethylene	E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
20J1067-05	KC-FD-01 1020	Volatile Organics, 8260	trans-1,2-Dichloroethylene	E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
20J1067-05	KC-FD-01 1020	Volatile Organics, 8260	Vinyl Chloride	E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
20J1067-06	TRIP BLANK 1020	Volatile Organics, 8260	-	VSAMP	The sample vials provided were consumed during analysis and no remaining sample was available for reanalysis.



20J1067-06	TRIP BLANK 1020	Volatile Organics, 8260	cis-1,2-Dichloroethylene	VOA-CO	The result reported is due to carryover from a previous sample run in the batch. Insufficient sample was available for rerun.
20J1067-06	TRIP BLANK 1020	Volatile Organics, 8260	trans-1,2-Dichloroethylene	VOA-CO	The result reported is due to carryover from a previous sample run in the batch. Insufficient sample was available for rerun.
20J1067-06	TRIP BLANK 1020	Volatile Organics, 8260	Trichloroethylene	VOA-CO	The result reported is due to carryover from a previous sample run in the batch. Insufficient sample was available for rerun.
20J1067-06	TRIP BLANK 1020	Volatile Organics, 8260	Vinyl Chloride	VOA-CO	The result reported is due to carryover from a previous sample run in the batch. Insufficient sample was available for rerun.

Any additional Client Sample Non-conformances are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

QC Sample Non-Conformances

Any QC sample Non-conformances (SCV, CCV, BS, BSD, SRM, PS, MS, MSD, DUP) are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

York Project/SDG no.: 20J1067 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report and any electronic data deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: Ben Gulizia
Laboratory Director

Date: 11/04/2020

York Analytical Laboratories, Inc. Formulae Used for Sample Calculations

1. **Volatile Organics** (Water-ug/L or Soil-ug/Kg)

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\% \text{ solids})}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\% \text{ solids})} -$$

2. **Semi-Volatiles** (Water-ug/L or Soil-ug/Kg)



$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, uL})(V)(\% \text{ solids})}$$

3. **Pesticides/PCB, DRO, EPH, CTETPH** (Water-ug/L or Soil-ug/Kg)

$$C_x = \frac{(A_x)(VE)(DF)}{(CF)(\text{Volume injected, uL})(V)(\% \text{ solids})}$$

4. **Inorganics** (Water or Soil-ug/mL)

$$C_x = \frac{(\text{Conc.})(VE)}{(V)(\% \text{ solids}/100)}$$

WHERE:

C_x = concentration of analyte as ug/L or ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts

A_{is} = Area of the characteristic ion for the specific internal standard, counts

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration

DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1

V = Volume for liquids in mL, weight for soils/solids in grams

VA = volume of MeOH aliquot for medium level soils

VE = final volume of concentrated extract or digestate

VT = volume of MeOH for volatiles medium level soils

CF = calibration factor for external calibration used in GC pest/pcb

C_{is} = Concentration of the internal standard spiking mixture, ppbv



Case Narrative Non-Conformance Summary

Laboratory: York Analytical Laboratories, Inc.

Project:

Laboratory Sample ID(s): -01 - -06

Review Date(s): -

Client:

Lab Project No:

Sampling Date(s): 10/22/2020 - 10/22/2020

Laboratory Reviewer(s):

QC Sample Nonconformances

Batch ID: BJ01452

Affected Samples:

See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BJ01452-BS1	1,2-Dichloroethane - 107-06-2	0.31 ug/L	LCS	3.10	73-132	Low Bias				
BJ01452-BS1	1,2-Dichloropropane - 78-87-5	7.5 ug/L	LCS	74.8	78-126	Low Bias				
BJ01452-BS1	cis-1,3-Dichloropropylene - 10061-01-5	7.8 ug/L	LCS	77.7	80-131	Low Bias				
BJ01452-BS1	Tetrachloroethylene - 127-18-4	7.3 ug/L	LCS	73.2	82-131	Low Bias				
BJ01452-BS1	trans-1,3-Dichloropropylene - 10061-02-6	7.3 ug/L	LCS	72.6	78-131	Low Bias				
BJ01452-BSD1	1,1,1-Trichloroethane - 71-55-6	1.5 ug/L	LCS Dup	15.3	78-136	Low Bias	147	30	Non-dir.	
BJ01452-BSD1	1,2-Dichloroethane - 107-06-2	9.0 ug/L	LCS Dup	89.8	73-132		187	30	Non-dir.	
BJ01452-BSD1	1,2-Dichloropropane - 78-87-5	7.7 ug/L	LCS Dup	77.0	78-126	Low Bias	2.90	30		
BJ01452-BSD1	cis-1,3-Dichloropropylene - 10061-01-5	7.9 ug/L	LCS Dup	78.9	80-131	Low Bias	1.53	30		
BJ01452-BSD1	Tetrachloroethylene - 127-18-4	7.4 ug/L	LCS Dup	74.3	82-131	Low Bias	1.49	30		
BJ01452-BSD1	trans-1,3-Dichloropropylene - 10061-02-6	7.5 ug/L	LCS Dup	75.2	78-131	Low Bias	3.52	30		



Batch ID: BJ01485

Affected Samples:

See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BJ01485-BLK1	1,4-Dioxane - 123-91-1	48 ug/L	Blank		-					
BJ01485-BS1	1,2,4-Trimethylbenzene - 95-63-6	7.8 ug/L	LCS	78.4	82-132	Low Bias				
BJ01485-BS1	1,2-Dichlorobenzene - 95-50-1	7.6 ug/L	LCS	76.3	79-123	Low Bias				
BJ01485-BS1	1,3,5-Trimethylbenzene - 108-67-8	8.0 ug/L	LCS	79.7	80-131	Low Bias				
BJ01485-BS1	1,3-Dichlorobenzene - 541-73-1	7.5 ug/L	LCS	75.0	86-130	Low Bias				
BJ01485-BS1	1,4-Dichlorobenzene - 106-46-7	7.5 ug/L	LCS	75.0	85-130	Low Bias				
BJ01485-BS1	Bromomethane - 74-83-9	4.3 ug/L	LCS	42.9	43-168	Low Bias				
BJ01485-BS1	Chlorobenzene - 108-90-7	8.3 ug/L	LCS	83.4	88-120	Low Bias				
BJ01485-BS1	Dichlorodifluoromethane - 75-71-8	2.8 ug/L	LCS	28.0	44-144	Low Bias				
BJ01485-BS1	Isopropylbenzene - 98-82-8	7.5 ug/L	LCS	75.0	76-140	Low Bias				
BJ01485-BS1	n-Propylbenzene - 103-65-1	7.8 ug/L	LCS	77.8	78-133	Low Bias				
BJ01485-BS1	tert-Butylbenzene - 98-06-6	7.6 ug/L	LCS	76.2	77-138	Low Bias				
BJ01485-BS1	Tetrachloroethylene - 127-18-4	7.4 ug/L	LCS	73.9	82-131	Low Bias				
BJ01485-BS1	Trichloroethylene - 79-01-6	8.0 ug/L	LCS	80.0	82-128	Low Bias				
BJ01485-BS1	Vinyl Chloride - 75-01-4	5.8 ug/L	LCS	57.8	58-145	Low Bias				
BJ01485-BSD1	1,1,1,2-Tetrachloroethane - 630-20-6	7.9 ug/L	LCS Dup	79.4	82-126	Low Bias	5.63	30		
BJ01485-BSD1	1,1,2-Trichloroethane - 79-00-5	8.0 ug/L	LCS Dup	80.5	82-123	Low Bias	6.02	30		
BJ01485-BSD1	1,2,3-Trichloropropane - 96-18-4	7.7 ug/L	LCS Dup	76.9	77-128	Low Bias	5.07	30		
BJ01485-BSD1	1,2,4-Trimethylbenzene - 95-63-6	7.4 ug/L	LCS Dup	73.6	82-132	Low Bias	6.32	30		
BJ01485-BSD1	1,2-Dichlorobenzene - 95-50-1	7.2 ug/L	LCS Dup	72.4	79-123	Low Bias	5.25	30		
BJ01485-BSD1	1,3,5-Trimethylbenzene - 108-67-8	7.4 ug/L	LCS Dup	73.9	80-131	Low Bias	7.55	30		
BJ01485-BSD1	1,3-Dichlorobenzene - 541-73-1	7.0 ug/L	LCS Dup	69.6	86-130	Low Bias	7.47	30		
BJ01485-BSD1	1,4-Dichlorobenzene - 106-46-7	7.0 ug/L	LCS Dup	70.0	85-130	Low Bias	6.90	30		
BJ01485-BSD1	Benzene - 71-43-2	8.3 ug/L	LCS Dup	82.8	85-126	Low Bias	6.54	30		
BJ01485-BSD1	Bromomethane - 74-83-9	3.9 ug/L	LCS Dup	38.9	43-168	Low Bias	9.78	30		
BJ01485-BSD1	Chlorobenzene - 108-90-7	7.8 ug/L	LCS Dup	78.0	88-120	Low Bias	6.69	30		
BJ01485-BSD1	Dichlorodifluoromethane - 75-71-8	2.6 ug/L	LCS Dup	25.7	44-144	Low Bias	8.57	30		
BJ01485-BSD1	Ethyl Benzene - 100-41-4	8.0 ug/L	LCS Dup	79.9	80-131	Low Bias	7.35	30		
BJ01485-BSD1	Isopropylbenzene - 98-82-8	7.0 ug/L	LCS Dup	70.3	76-140	Low Bias	6.47	30		
BJ01485-BSD1	n-Butylbenzene - 104-51-8	7.4 ug/L	LCS Dup	74.2	79-132	Low Bias	7.15	30		
BJ01485-BSD1	n-Propylbenzene - 103-65-1	7.3 ug/L	LCS Dup	72.6	78-133	Low Bias	6.91	30		
BJ01485-BSD1	p-Isopropyltoluene - 99-87-6	7.6 ug/L	LCS Dup	76.2	81-136	Low Bias	7.09	30		
BJ01485-BSD1	sec-Butylbenzene - 135-98-8	7.9 ug/L	LCS Dup	78.9	79-137	Low Bias	7.68	30		
BJ01485-BSD1	tert-Butylbenzene - 98-06-6	7.2 ug/L	LCS Dup	71.7	77-138	Low Bias	6.09	30		
BJ01485-BSD1	Tetrachloroethylene - 127-18-4	6.8 ug/L	LCS Dup	67.6	82-131	Low Bias	8.90	30		
BJ01485-BSD1	Toluene - 108-88-3	7.7 ug/L	LCS Dup	77.2	80-127	Low Bias	7.00	30		
BJ01485-BSD1	Trichloroethylene - 79-01-6	7.4 ug/L	LCS Dup	74.4	82-128	Low Bias	7.25	30		
BJ01485-BSD1	Trichlorofluoromethane - 75-69-4	6.2 ug/L	LCS Dup	62.1	67-139	Low Bias	9.36	30		
BJ01485-BSD1	Vinyl Chloride - 75-01-4	5.3 ug/L	LCS Dup	52.7	58-145	Low Bias	9.23	30		



Batch ID: BJ01488

Affected Samples:

See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BJ01488-BS1	1,1,1-Trichloroethane - 71-55-6	1.5 ug/L	LCS	15.3	78-136	Low Bias				
BJ01488-BS1	1,1,2,2-Tetrachloroethane - 79-34-5	7.4 ug/L	LCS	73.5	76-129	Low Bias				
BJ01488-BS1	1,1,2-Trichloroethane - 79-00-5	8.1 ug/L	LCS	81.1	82-123	Low Bias				
BJ01488-BS1	1,1-Dichloroethane - 75-34-3	8.1 ug/L	LCS	80.8	82-129	Low Bias				
BJ01488-BS1	1,2,4-Trimethylbenzene - 95-63-6	7.8 ug/L	LCS	78.3	82-132	Low Bias				
BJ01488-BS1	1,2-Dichloropropane - 78-87-5	6.8 ug/L	LCS	67.6	78-126	Low Bias				
BJ01488-BS1	1,3,5-Trimethylbenzene - 108-67-8	7.8 ug/L	LCS	78.0	80-131	Low Bias				
BJ01488-BS1	1,3-Dichlorobenzene - 541-73-1	8.0 ug/L	LCS	79.9	86-130	Low Bias				
BJ01488-BS1	1,4-Dichlorobenzene - 106-46-7	8.1 ug/L	LCS	80.8	85-130	Low Bias				
BJ01488-BS1	Bromodichloromethane - 75-27-4	7.6 ug/L	LCS	75.7	79-128	Low Bias				
BJ01488-BS1	Chlorobenzene - 108-90-7	8.1 ug/L	LCS	80.7	88-120	Low Bias				
BJ01488-BS1	Chloroethane - 75-00-3	6.5 ug/L	LCS	64.9	65-136	Low Bias				
BJ01488-BS1	Chloromethane - 74-87-3	4.2 ug/L	LCS	42.3	43-155	Low Bias				
BJ01488-BS1	cis-1,2-Dichloroethylene - 156-59-2	8.3 ug/L	LCS	82.8	83-129	Low Bias				
BJ01488-BS1	cis-1,3-Dichloropropylene - 10061-01-5	7.2 ug/L	LCS	72.1	80-131	Low Bias				
BJ01488-BS1	Dichlorodifluoromethane - 75-71-8	3.2 ug/L	LCS	32.2	44-144	Low Bias				
BJ01488-BS1	Ethyl Benzene - 100-41-4	7.6 ug/L	LCS	75.9	80-131	Low Bias				
BJ01488-BS1	n-Butylbenzene - 104-51-8	7.8 ug/L	LCS	78.5	79-132	Low Bias				
BJ01488-BS1	n-Propylbenzene - 103-65-1	7.4 ug/L	LCS	73.8	78-133	Low Bias				
BJ01488-BS1	o-Xylene - 95-47-6	7.4 ug/L	LCS	73.6	78-130	Low Bias				
BJ01488-BS1	p- & m- Xylenes - 179601-23-1	15 ug/L	LCS	76.0	77-133	Low Bias				
BJ01488-BS1	Tetrachloroethylene - 127-18-4	6.8 ug/L	LCS	67.7	82-131	Low Bias				
BJ01488-BS1	Toluene - 108-88-3	7.7 ug/L	LCS	76.6	80-127	Low Bias				
BJ01488-BS1	trans-1,3-Dichloropropylene - 10061-02-6	6.8 ug/L	LCS	68.4	78-131	Low Bias				
BJ01488-BS1	Trichloroethylene - 79-01-6	8.0 ug/L	LCS	80.2	82-128	Low Bias				
BJ01488-BSD1	1,1,1-Trichloroethane - 71-55-6	1.6 ug/L	LCS Dup	15.7	78-136	Low Bias	2.58	30		
BJ01488-BSD1	1,1,2,2-Tetrachloroethane - 79-34-5	7.3 ug/L	LCS Dup	73.3	76-129	Low Bias	0.272	30		
BJ01488-BSD1	1,1,2-Trichloroethane - 79-00-5	8.1 ug/L	LCS Dup	80.7	82-123	Low Bias	0.494	30		
BJ01488-BSD1	1,2,4-Trimethylbenzene - 95-63-6	8.1 ug/L	LCS Dup	80.6	82-132	Low Bias	2.89	30		
BJ01488-BSD1	1,2-Dichloropropane - 78-87-5	7.0 ug/L	LCS Dup	69.9	78-126	Low Bias	3.35	30		
BJ01488-BSD1	1,3-Dichlorobenzene - 541-73-1	8.2 ug/L	LCS Dup	81.8	86-130	Low Bias	2.35	30		
BJ01488-BSD1	1,4-Dichlorobenzene - 106-46-7	8.2 ug/L	LCS Dup	82.2	85-130	Low Bias	1.72	30		
BJ01488-BSD1	Bromodichloromethane - 75-27-4	7.7 ug/L	LCS Dup	76.9	79-128	Low Bias	1.57	30		
BJ01488-BSD1	Chlorobenzene - 108-90-7	8.3 ug/L	LCS Dup	82.9	88-120	Low Bias	2.69	30		
BJ01488-BSD1	Chloromethane - 74-87-3	4.2 ug/L	LCS Dup	42.5	43-155	Low Bias	0.472	30		
BJ01488-BSD1	cis-1,3-Dichloropropylene - 10061-01-5	7.4 ug/L	LCS Dup	73.8	80-131	Low Bias	2.33	30		
BJ01488-BSD1	Dichlorodifluoromethane - 75-71-8	3.2 ug/L	LCS Dup	32.4	44-144	Low Bias	0.619	30		



Batch ID: BJ01488

Affected Samples:

See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BJ01488-BSD1	Ethyl Benzene - 100-41-4	7.9 ug/L	LCS Dup	79.2	80-131	Low Bias	4.26	30		
BJ01488-BSD1	n-Propylbenzene - 103-65-1	7.6 ug/L	LCS Dup	76.2	78-133	Low Bias	3.20	30		
BJ01488-BSD1	o-Xylene - 95-47-6	7.7 ug/L	LCS Dup	76.6	78-130	Low Bias	3.99	30		
BJ01488-BSD1	Tetrachloroethylene - 127-18-4	7.0 ug/L	LCS Dup	70.0	82-131	Low Bias	3.34	30		
BJ01488-BSD1	Toluene - 108-88-3	8.0 ug/L	LCS Dup	79.5	80-127	Low Bias	3.72	30		
BJ01488-BSD1	trans-1,3-Dichloropropylene - 10061-02-6	6.8 ug/L	LCS Dup	68.5	78-131	Low Bias	0.146	30		

Batch ID: Y0J2738

Affected Samples:

See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0J2738-SCV1	1,4-Dioxane - 123-91-1	75.6 ug/L	Secondary Cal Check	36.0	70-130	Low Bias				
Y0J2738-SCV1	Acetone - 67-64-1	6.59 ug/L	Secondary Cal Check	65.9	70-130	Low Bias				
Y0J2738-SCV1	Acrolein - 107-02-8	6.72 ug/L	Secondary Cal Check	67.2	70-130	Low Bias				

Batch ID: Y0J2851

Affected Samples:

See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0J2851-CCV1	1,1,2,2-Tetrachloroethane - 79-34-5	7.85 ug/L	Calibration Check	78.5	80-120	Low Bias				
Y0J2851-CCV1	1,2-Dibromo-3-chloropropane - 96-12-8	7.78 ug/L	Calibration Check	77.8	80-120	Low Bias				
Y0J2851-CCV1	1,2-Dichloropropane - 78-87-5	7.79 ug/L	Calibration Check	77.9	80-120	Low Bias				
Y0J2851-CCV1	2-Hexanone - 591-78-6	7.82 ug/L	Calibration Check	78.2	80-120	Low Bias				
Y0J2851-CCV1	4-Methyl-2-pentanone - 108-10-1	7.33 ug/L	Calibration Check	73.3	80-120	Low Bias				
Y0J2851-CCV1	Acrolein - 107-02-8	7.18 ug/L	Calibration Check	71.8	80-120	Low Bias				
Y0J2851-CCV1	Bromomethane - 74-83-9	5.97 ug/L	Calibration Check	59.7	80-120	Low Bias				
Y0J2851-CCV1	Chloromethane - 74-87-3	6.56 ug/L	Calibration Check	65.6	80-120	Low Bias				
Y0J2851-CCV1	trans-1,4-dichloro-2-butene - 110-57-6	7.40 ug/L	Calibration Check	74.0	80-120	Low Bias				

**Batch ID:** Y0J3047**Affected Samples:****See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0J3047-CCV1	1,1,2,2-Tetrachloroethane - 79-34-5	7.22 ug/L	Calibration Check	72.2	80-120	Low Bias				
Y0J3047-CCV1	1,2-Dibromo-3-chloropropane - 96-12-8	7.45 ug/L	Calibration Check	74.5	80-120	Low Bias				
Y0J3047-CCV1	1,2-Dichloropropane - 78-87-5	7.67 ug/L	Calibration Check	76.7	80-120	Low Bias				
Y0J3047-CCV1	2-Hexanone - 591-78-6	7.25 ug/L	Calibration Check	72.5	80-120	Low Bias				
Y0J3047-CCV1	4-Methyl-2-pentanone - 108-10-1	6.94 ug/L	Calibration Check	69.4	80-120	Low Bias				
Y0J3047-CCV1	Acrolein - 107-02-8	5.78 ug/L	Calibration Check	57.8	80-120	Low Bias				
Y0J3047-CCV1	Bromomethane - 74-83-9	3.94 ug/L	Calibration Check	39.4	80-120	Low Bias				
Y0J3047-CCV1	Chloromethane - 74-87-3	6.34 ug/L	Calibration Check	63.4	80-120	Low Bias				
Y0J3047-CCV1	cis-1,3-Dichloropropylene - 10061-01-5	7.63 ug/L	Calibration Check	76.3	80-120	Low Bias				
Y0J3047-CCV1	trans-1,3-Dichloropropylene - 10061-02-6	7.33 ug/L	Calibration Check	73.3	80-120	Low Bias				
Y0J3047-CCV1	trans-1,4-dichloro-2-butene - 110-57-6	7.16 ug/L	Calibration Check	71.6	80-120	Low Bias				

Batch ID: Y0K0236**Affected Samples:****See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0K0236-CCV1	Acetone - 67-64-1	14.9 ug/L	Calibration Check	149	80-120	High Bias				
Y0K0236-CCV1	Bromomethane - 74-83-9	5.14 ug/L	Calibration Check	51.4	80-120	Low Bias				
Y0K0236-CCV1	Hexachlorobutadiene - 87-68-3	7.67 ug/L	Calibration Check	76.7	80-120	Low Bias				

Batch ID: BJ01702**Affected Samples:****See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BJ01702-BLK1	Copper - 7440-50-8	0.053 mg/L	Blank		-					
BJ01702-BS1	Copper - 7440-50-8	0.306 ug/mL	LCS	122	80-120	High Bias				

Batch ID: Y0J3011**Affected Samples:****See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0J3011-CCV2	Antimony - 7440-36-0	0.217 ug/mL	Calibration Check	86.7	90-110	Low Bias				
Y0J3011-CRL1	Nickel - 7440-02-0	0.006 ug/mL	Instrument RL Check	61.9	70-130	Low Bias				
Y0J3011-CRL2	Antimony - 7440-36-0	0.016 ug/mL	Instrument RL Check	131	70-130	High Bias				
Y0J3011-CRL2	Copper - 7440-50-8	0.030 ug/mL	Instrument RL Check	148	70-130	High Bias				
Y0J3011-CRL2	Lead - 7439-92-1	0.0007 ug/mL	Instrument RL Check	26.5	70-130	Low Bias				
Y0J3011-CRL2	Nickel - 7440-02-0	0.002 ug/mL	Instrument RL Check	33.3	70-130	Low Bias				
Y0J3011-CRL2	Zinc - 7440-66-6	0.025 ug/mL	Instrument RL Check	198	70-130	High Bias				
Y0J3011-ICV1	Selenium - 7782-49-2	0.281 ug/mL	Initial Cal Check	113	90-110	High Bias				



Batch ID: Y0J3014 Affected Samples: See Batch Summary

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0J3014-CCV2	Antimony - 7440-36-0	0.217 ug/mL	Calibration Check	86.7	90-110	Low Bias				
Y0J3014-CRL1	Nickel - 7440-02-0	0.006 ug/mL	Instrument RL Check	61.9	70-130	Low Bias				
Y0J3014-CRL2	Antimony - 7440-36-0	0.016 ug/mL	Instrument RL Check	131	70-130	High Bias				
Y0J3014-CRL2	Copper - 7440-50-8	0.030 ug/mL	Instrument RL Check	148	70-130	High Bias				
Y0J3014-CRL2	Lead - 7439-92-1	0.0007 ug/mL	Instrument RL Check	26.5	70-130	Low Bias				
Y0J3014-CRL2	Nickel - 7440-02-0	0.002 ug/mL	Instrument RL Check	33.3	70-130	Low Bias				
Y0J3014-CRL2	Zinc - 7440-66-6	0.025 ug/mL	Instrument RL Check	198	70-130	High Bias				
Y0J3014-ICV1	Selenium - 7782-49-2	0.281 ug/mL	Initial Cal Check	113	90-110	High Bias				

Batch ID: BJ01452 General Method: Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20J1067-01	KC-MW-01 1020
BJ01452-BLK1	Blank
BJ01452-BS1	LCS
BJ01452-BSD1	LCS Dup

Batch ID: BJ01485 General Method: Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20J1067-04	KC-MW-06 1020
20J1067-05	KC-FD-01 1020
20J1067-06	TRIP BLANK 1020
BJ01485-BLK1	Blank
BJ01485-BS1	LCS
BJ01485-BSD1	LCS Dup

Batch ID: BJ01488 General Method: Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20J1067-01RE1	KC-MW-01 1020
20J1067-01RE2	KC-MW-01 1020
20J1067-02	KC-MW-02 1020
20J1067-03	KC-MW-05 1020
BJ01488-BLK1	Blank
BJ01488-BS1	LCS
BJ01488-BSD1	LCS Dup

Batch ID: BJ01702 General Method: Metals by ICP

YORK Sample ID	Client Sample ID
20J1067-01	KC-MW-01 1020
BJ01702-BLK1	Blank
BJ01702-BS1	LCS



No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions: LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate



QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
Y0J3014-ICV1	Metals, Priority Pollutant	Selenium	M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
Y0J3014-CRL2	Metals, Priority Pollutant	Zinc	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3014-CRL2	Metals, Priority Pollutant	Lead	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3014-CRL2	Metals, Priority Pollutant	Copper	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3014-CRL2	Metals, Priority Pollutant	Antimony	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3014-CRL2	Metals, Priority Pollutant	Nickel	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3014-CRL1	Metals, Priority Pollutant	Nickel	M-CRL	The RL check for this element recovered outside of control limits.

LabID	Analysis	Analyte	Qualifier	Definition
Y0J3011-CRL2	Metals, Priority Pollutant, Dissolved	Copper	M-CRL	The RL check for this element recovered outside of control limits.
BJ01702-BLK1	Metals, Priority Pollutant, Dissolved	Copper	M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
Y0J3011-ICV1	Metals, Priority Pollutant, Dissolved	Selenium	M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
Y0J3011-CRL2	Metals, Priority Pollutant, Dissolved	Antimony	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3011-CRL2	Metals, Priority Pollutant, Dissolved	Lead	M-CRL	The RL check for this element recovered outside of control limits.
BJ01702-BS1	Metals, Priority Pollutant, Dissolved	Copper	B, M-BS	
Y0J3011-CRL2	Metals, Priority Pollutant, Dissolved	Zinc	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3011-CRL1	Metals, Priority Pollutant, Dissolved	Nickel	M-CRL	The RL check for this element recovered outside of control limits.
Y0J3011-CRL2	Metals, Priority Pollutant, Dissolved	Nickel	M-CRL	The RL check for this element recovered outside of control limits.

LabID	Analysis	Analyte	Qualifier	Definition



LabID	Analysis	Analyte	Qualifier	Definition
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Chlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Isopropylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Benzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,4-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,2-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,3-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Ethyl Benzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	sec-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,3,5-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,1,2,2-Tetrachloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,1,1-Trichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,1,2-Trichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BLK1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	n-Propylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	p-Isopropyltoluene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,2,3-Trichloropropane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	n-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Trichloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Toluene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloroethane	QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	n-Propylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	cis-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloropropane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	1,3,5-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BS1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BS1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BS1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01452-BS1	Volatile Organics, 8260 - Comprehensive	cis-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01452-BS1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloropropane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BS1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BSD1	Volatile Organics, 8260 - Comprehensive	1,1,1-Trichloroethane	QL-02, QR-(	
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,1,1,2-Tetrachloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Trichloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	tert-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Isopropylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BLK1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BSD1	Volatile Organics, 8260 - Comprehensive	1,1,2-Trichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Chlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	1,2-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	1,4-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01485-BS1	Volatile Organics, 8260 - Comprehensive	1,3-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,4-dichloro-2-butene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Ethyl Benzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	n-Propylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	o-Xylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Toluene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,2,2-Tetrachloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).



LabID	Analysis	Analyte	Qualifier	Definition
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dibromo-3-chloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	2-Hexanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	4-Methyl-2-pentanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	cis-1,2-Dichloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	2-Hexanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0K0236-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).



LabID	Analysis	Analyte	Qualifier	Definition
Y0K0236-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,4-dichloro-2-butene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J2851-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	cis-1,3-Dichloropropylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).



LabID	Analysis	Analyte	Qualifier	Definition
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	4-Methyl-2-pentanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dibromo-3-chloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,2,2-Tetrachloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0J3047-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	cis-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	p- & m- Xylenes	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Chlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Trichloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0K0236-CCV1	Volatile Organics, 8260 - Comprehensive	Hexachlorobutadiene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	n-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01452-BLK1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,4-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,3-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Bromodichloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,3,5-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Ethyl Benzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,4-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloropropane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Bromodichloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	Chlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloropropane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,1,1-Trichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	cis-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,3-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,1,2-Trichloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



LabID	Analysis	Analyte	Qualifier	Definition
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	Toluene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	o-Xylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BS1	Volatile Organics, 8260 - Comprehensive	n-Propylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BJ01488-BSD1	Volatile Organics, 8260 - Comprehensive	1,1,2,2-Tetrachloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.



Analytical Batch Summary

Batch ID: BJ01380 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-01	KC-MW-01 1020	10/23/20
20J1067-02	KC-MW-02 1020	10/23/20
20J1067-03	KC-MW-05 1020	10/23/20
20J1067-05	KC-FD-01 1020	10/23/20
BJ01380-BLK1	Blank	10/23/20
BJ01380-SRM1	Reference	10/23/20

Batch ID: BJ01452 **Preparation Method:** EPA 5030B **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-01	KC-MW-01 1020	10/26/20
BJ01452-BLK1	Blank	10/26/20
BJ01452-BS1	LCS	10/26/20
BJ01452-BSD1	LCS Dup	10/26/20

Batch ID: BJ01485 **Preparation Method:** EPA 5030B **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-04	KC-MW-06 1020	10/27/20
20J1067-05	KC-FD-01 1020	10/27/20
20J1067-06	TRIP BLANK 1020	10/27/20
BJ01485-BLK1	Blank	10/27/20
BJ01485-BS1	LCS	10/27/20
BJ01485-BSD1	LCS Dup	10/27/20

Batch ID: BJ01488 **Preparation Method:** EPA 5030B **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-01RE1	KC-MW-01 1020	10/27/20
20J1067-01RE2	KC-MW-01 1020	10/27/20
20J1067-02	KC-MW-02 1020	10/27/20
20J1067-03	KC-MW-05 1020	10/27/20
BJ01488-BLK1	Blank	10/27/20
BJ01488-BS1	LCS	10/27/20
BJ01488-BSD1	LCS Dup	10/27/20

Batch ID: BJ01702 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-01	KC-MW-01 1020	10/29/20
BJ01702-BLK1	Blank	10/29/20
BJ01702-BS1	LCS	10/29/20



Batch ID: BJ01741

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-01	KC-MW-01 1020	10/29/20
20J1067-02	KC-MW-02 1020	10/29/20
20J1067-03	KC-MW-05 1020	10/29/20
20J1067-05	KC-FD-01 1020	10/29/20
BJ01741-BLK1	Blank	10/29/20
BJ01741-BS1	LCS	10/29/20

Batch ID: BJ01743

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20J1067-01	KC-MW-01 1020	10/29/20
BJ01743-BLK1	Blank	10/29/20
BJ01743-DUP1	Duplicate	10/29/20
BJ01743-MS1	Matrix Spike	10/29/20
BJ01743-SRM1	Reference	10/29/20



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01452 - EPA 5030B

Blank (BJ01452-BLK1)

Prepared & Analyzed: 10/26/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	1.3	2.0	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01452 - EPA 5030B

Blank (BJ01452-BLK1)

Prepared & Analyzed: 10/26/2020

n-Butylbenzene	ND	0.50	ug/L
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	1.0	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
trans-1,4-dichloro-2-butene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: SURRE: 1,2-Dichloroethane-d4

9.82

"

10.0

98.2

69-130

Surrogate: SURRE: Toluene-d8

9.70

"

10.0

97.0

81-117

Surrogate: SURRE: p-Bromofluorobenzene

10.8

"

10.0

108

79-122

LCS (BJ01452-BS1)

Prepared & Analyzed: 10/26/2020

1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0	92.3	82-126	
1,1,1-Trichloroethane	10		"	10.0	101	78-136	
1,1,2,2-Tetrachloroethane	7.7		"	10.0	76.6	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	115	54-165	
1,1,2-Trichloroethane	8.5		"	10.0	84.7	82-123	
1,1-Dichloroethane	9.0		"	10.0	90.4	82-129	
1,1-Dichloroethylene	9.8		"	10.0	97.5	68-138	
1,2,3-Trichlorobenzene	8.6		"	10.0	85.9	40-130	
1,2,3-Trichloropropane	8.2		"	10.0	82.1	77-128	
1,2,4-Trichlorobenzene	8.8		"	10.0	88.3	65-137	
1,2,4-Trimethylbenzene	8.7		"	10.0	86.8	82-132	
1,2-Dibromo-3-chloropropane	7.4		"	10.0	74.3	45-147	
1,2-Dibromoethane	8.8		"	10.0	88.1	83-124	
1,2-Dichlorobenzene	8.9		"	10.0	88.6	79-123	
1,2-Dichloroethane	0.31		"	10.0	3.10	73-132	Low Bias
1,2-Dichloropropane	7.5		"	10.0	74.8	78-126	Low Bias
1,3,5-Trimethylbenzene	8.8		"	10.0	87.8	80-131	
1,3-Dichlorobenzene	8.6		"	10.0	86.2	86-130	
1,4-Dichlorobenzene	8.6		"	10.0	85.8	85-130	
1,4-Dioxane	140		"	210	67.2	10-349	
2-Butanone	8.4		"	10.0	84.2	49-152	
2-Hexanone	7.2		"	10.0	72.0	51-146	
4-Methyl-2-pentanone	7.6		"	10.0	76.5	57-145	
Acetone	6.4		"	10.0	64.2	14-150	
Acrolein	5.9		"	10.0	58.6	10-153	
Acrylonitrile	9.2		"	10.0	91.9	51-150	
Benzene	9.8		"	10.0	97.7	85-126	
Bromochloromethane	9.0		"	10.0	90.0	77-128	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01452 - EPA 5030B

LCS (BJ01452-BS1)

Prepared & Analyzed: 10/26/2020

Bromodichloromethane	8.3		ug/L	10.0		82.7	79-128				
Bromoform	8.8		"	10.0		87.7	78-133				
Bromomethane	5.2		"	10.0		52.2	43-168				
Carbon disulfide	10		"	10.0		102	68-146				
Carbon tetrachloride	10		"	10.0		104	77-141				
Chlorobenzene	8.8		"	10.0		88.1	88-120				
Chloroethane	8.7		"	10.0		86.9	65-136				
Chloroform	9.9		"	10.0		98.7	82-128				
Chloromethane	6.1		"	10.0		60.6	43-155				
cis-1,2-Dichloroethylene	8.9		"	10.0		88.8	83-129				
cis-1,3-Dichloropropylene	7.8		"	10.0		77.7	80-131	Low Bias			
Cyclohexane	9.2		"	10.0		92.3	63-149				
Dibromochloromethane	9.3		"	10.0		93.3	80-130				
Dibromomethane	8.4		"	10.0		83.5	72-134				
Dichlorodifluoromethane	6.6		"	10.0		66.0	44-144				
Ethyl Benzene	8.5		"	10.0		85.3	80-131				
Hexachlorobutadiene	9.9		"	10.0		98.6	67-146				
Isopropylbenzene	8.7		"	10.0		86.7	76-140				
Methyl acetate	7.9		"	10.0		79.2	51-139				
Methyl tert-butyl ether (MTBE)	9.4		"	10.0		93.9	76-135				
Methylcyclohexane	8.6		"	10.0		85.9	72-143				
Methylene chloride	11		"	10.0		107	55-137				
n-Butylbenzene	9.1		"	10.0		91.4	79-132				
n-Propylbenzene	8.4		"	10.0		83.5	78-133				
o-Xylene	8.3		"	10.0		82.8	78-130				
p- & m- Xylenes	17		"	20.0		86.0	77-133				
p-Isopropyltoluene	9.5		"	10.0		94.8	81-136				
sec-Butylbenzene	9.5		"	10.0		94.7	79-137				
Styrene	8.8		"	10.0		87.7	67-132				
tert-Butyl alcohol (TBA)	49		"	50.0		97.2	25-162				
tert-Butylbenzene	9.0		"	10.0		89.8	77-138				
Tetrachloroethylene	7.3		"	10.0		73.2	82-131	Low Bias			
Toluene	8.5		"	10.0		85.4	80-127				
trans-1,2-Dichloroethylene	9.9		"	10.0		99.4	80-132				
trans-1,3-Dichloropropylene	7.3		"	10.0		72.6	78-131	Low Bias			
trans-1,4-dichloro-2-butene	7.1		"	10.0		70.7	63-141				
Trichloroethylene	8.8		"	10.0		87.8	82-128				
Trichlorofluoromethane	9.1		"	10.0		91.1	67-139				
Vinyl Chloride	8.3		"	10.0		82.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.45		"	10.0		94.5	69-130				
Surrogate: SURR: Toluene-d8	9.45		"	10.0		94.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.49		"	10.0		94.9	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ01452 - EPA 5030B											
LCS Dup (BJ01452-BSD1)						Prepared & Analyzed: 10/26/2020					
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.8	82-126		1.61	30	
1,1,1-Trichloroethane	1.5		"	10.0		15.3	78-136	Low Bias	147	30	Non-dir.
1,1,2,2-Tetrachloroethane	8.0		"	10.0		80.0	76-129		4.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165		2.57	30	
1,1,2-Trichloroethane	8.8		"	10.0		87.8	82-123		3.59	30	
1,1-Dichloroethane	9.3		"	10.0		93.2	82-129		3.05	30	
1,1-Dichloroethylene	10		"	10.0		103	68-138		5.58	30	
1,2,3-Trichlorobenzene	8.9		"	10.0		89.3	40-130		3.88	30	
1,2,3-Trichloropropane	8.6		"	10.0		86.1	77-128		4.76	30	
1,2,4-Trichlorobenzene	9.1		"	10.0		90.6	65-137		2.57	30	
1,2,4-Trimethylbenzene	8.7		"	10.0		86.8	82-132		0.00	30	
1,2-Dibromo-3-chloropropane	7.6		"	10.0		75.9	45-147		2.13	30	
1,2-Dibromoethane	9.3		"	10.0		92.6	83-124		4.98	30	
1,2-Dichlorobenzene	9.0		"	10.0		90.3	79-123		1.90	30	
1,2-Dichloroethane	9.0		"	10.0		89.8	73-132		187	30	Non-dir.
1,2-Dichloropropane	7.7		"	10.0		77.0	78-126	Low Bias	2.90	30	
1,3,5-Trimethylbenzene	8.8		"	10.0		88.0	80-131		0.228	30	
1,3-Dichlorobenzene	8.8		"	10.0		87.6	86-130		1.61	30	
1,4-Dichlorobenzene	8.8		"	10.0		88.0	85-130		2.53	30	
1,4-Dioxane	150		"	210		69.7	10-349		3.58	30	
2-Butanone	9.2		"	10.0		91.7	49-152		8.53	30	
2-Hexanone	7.3		"	10.0		73.0	51-146		1.38	30	
4-Methyl-2-pentanone	7.8		"	10.0		78.5	57-145		2.58	30	
Acetone	6.9		"	10.0		68.9	14-150		7.06	30	
Acrolein	6.1		"	10.0		60.6	10-153		3.36	30	
Acrylonitrile	9.9		"	10.0		99.3	51-150		7.74	30	
Benzene	10		"	10.0		100	85-126		2.63	30	
Bromochloromethane	9.2		"	10.0		92.1	77-128		2.31	30	
Bromodichloromethane	8.4		"	10.0		83.8	79-128		1.32	30	
Bromoform	9.0		"	10.0		89.5	78-133		2.03	30	
Bromomethane	5.7		"	10.0		57.2	43-168		9.14	30	
Carbon disulfide	11		"	10.0		106	68-146		3.64	30	
Carbon tetrachloride	11		"	10.0		110	77-141		4.86	30	
Chlorobenzene	9.0		"	10.0		89.6	88-120		1.69	30	
Chloroethane	8.6		"	10.0		86.5	65-136		0.461	30	
Chloroform	10		"	10.0		101	82-128		2.30	30	
Chloromethane	6.5		"	10.0		64.8	43-155		6.70	30	
cis-1,2-Dichloroethylene	9.0		"	10.0		90.3	83-129		1.68	30	
cis-1,3-Dichloropropylene	7.9		"	10.0		78.9	80-131	Low Bias	1.53	30	
Cyclohexane	9.4		"	10.0		94.1	63-149		1.93	30	
Dibromochloromethane	9.6		"	10.0		96.5	80-130		3.37	30	
Dibromomethane	8.6		"	10.0		86.0	72-134		2.95	30	
Dichlorodifluoromethane	6.9		"	10.0		68.7	44-144		4.01	30	
Ethyl Benzene	8.6		"	10.0		86.0	80-131		0.817	30	
Hexachlorobutadiene	9.4		"	10.0		94.1	67-146		4.67	30	
Isopropylbenzene	8.7		"	10.0		87.4	76-140		0.804	30	
Methyl acetate	8.4		"	10.0		83.6	51-139		5.41	30	
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		97.3	76-135		3.56	30	
Methylcyclohexane	8.7		"	10.0		86.7	72-143		0.927	30	
Methylene chloride	11		"	10.0		110	55-137		2.68	30	
n-Butylbenzene	9.1		"	10.0		91.4	79-132		0.00	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01452 - EPA 5030B

LCS Dup (BJ01452-BSD1)

Prepared & Analyzed: 10/26/2020

n-Propylbenzene	8.4		ug/L	10.0		83.7	78-133		0.239	30	
o-Xylene	8.3		"	10.0		82.6	78-130		0.242	30	
p- & m- Xylenes	17		"	20.0		86.2	77-133		0.348	30	
p-Isopropyltoluene	9.3		"	10.0		93.4	81-136		1.49	30	
sec-Butylbenzene	9.4		"	10.0		93.8	79-137		0.955	30	
Styrene	8.9		"	10.0		88.9	67-132		1.36	30	
tert-Butyl alcohol (TBA)	51		"	50.0		101	25-162		3.83	30	
tert-Butylbenzene	8.9		"	10.0		89.1	77-138		0.783	30	
Tetrachloroethylene	7.4		"	10.0		74.3	82-131	Low Bias	1.49	30	
Toluene	8.7		"	10.0		86.8	80-127		1.63	30	
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132		2.09	30	
trans-1,3-Dichloropropylene	7.5		"	10.0		75.2	78-131	Low Bias	3.52	30	
trans-1,4-dichloro-2-butene	7.2		"	10.0		72.4	63-141		2.38	30	
Trichloroethylene	9.0		"	10.0		89.9	82-128		2.36	30	
Trichlorofluoromethane	9.2		"	10.0		92.2	67-139		1.20	30	
Vinyl Chloride	8.7		"	10.0		86.6	58-145		4.73	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.53		"	10.0		95.3	69-130				
Surrogate: SURR: Toluene-d8	9.41		"	10.0		94.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.44		"	10.0		94.4	79-122				

Batch BJ01485 - EPA 5030B

Blank (BJ01485-BLK1)

Prepared & Analyzed: 10/27/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	48	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01485 - EPA 5030B

Blank (BJ01485-BLK1)

Prepared & Analyzed: 10/27/2020

Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	0.73	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	9.44		"	10.0		94.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ01485 - EPA 5030B											
LCS (BJ01485-BS1)						Prepared & Analyzed: 10/27/2020					
1,1,1,2-Tetrachloroethane	8.4		ug/L	10.0		84.0	82-126				
1,1,1-Trichloroethane	8.7		"	10.0		86.7	78-136				
1,1,2,2-Tetrachloroethane	8.2		"	10.0		81.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.4		"	10.0		84.0	54-165				
1,1,2-Trichloroethane	8.6		"	10.0		85.5	82-123				
1,1-Dichloroethane	8.7		"	10.0		86.7	82-129				
1,1-Dichloroethylene	8.6		"	10.0		85.7	68-138				
1,2,3-Trichlorobenzene	7.9		"	10.0		79.4	40-130				
1,2,3-Trichloropropane	8.1		"	10.0		80.9	77-128				
1,2,4-Trichlorobenzene	8.0		"	10.0		80.4	65-137				
1,2,4-Trimethylbenzene	7.8		"	10.0		78.4	82-132	Low Bias			
1,2-Dibromo-3-chloropropane	8.3		"	10.0		83.3	45-147				
1,2-Dibromoethane	9.0		"	10.0		89.7	83-124				
1,2-Dichlorobenzene	7.6		"	10.0		76.3	79-123	Low Bias			
1,2-Dichloroethane	9.2		"	10.0		92.1	73-132				
1,2-Dichloropropane	8.4		"	10.0		83.7	78-126				
1,3,5-Trimethylbenzene	8.0		"	10.0		79.7	80-131	Low Bias			
1,3-Dichlorobenzene	7.5		"	10.0		75.0	86-130	Low Bias			
1,4-Dichlorobenzene	7.5		"	10.0		75.0	85-130	Low Bias			
1,4-Dioxane	310		"	210		146	10-349				
2-Butanone	9.3		"	10.0		93.0	49-152				
2-Hexanone	10		"	10.0		102	51-146				
4-Methyl-2-pentanone	11		"	10.0		106	57-145				
Acetone	9.8		"	10.0		97.5	14-150				
Acrolein	6.9		"	10.0		69.3	10-153				
Acrylonitrile	9.9		"	10.0		98.9	51-150				
Benzene	8.8		"	10.0		88.4	85-126				
Bromochloromethane	9.2		"	10.0		92.1	77-128				
Bromodichloromethane	8.7		"	10.0		86.8	79-128				
Bromoform	8.9		"	10.0		89.1	78-133				
Bromomethane	4.3		"	10.0		42.9	43-168	Low Bias			
Carbon disulfide	8.2		"	10.0		82.0	68-146				
Carbon tetrachloride	8.4		"	10.0		83.5	77-141				
Chlorobenzene	8.3		"	10.0		83.4	88-120	Low Bias			
Chloroethane	7.1		"	10.0		70.7	65-136				
Chloroform	8.8		"	10.0		87.6	82-128				
Chloromethane	4.9		"	10.0		49.0	43-155				
cis-1,2-Dichloroethylene	9.0		"	10.0		90.2	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		88.6	80-131				
Cyclohexane	8.5		"	10.0		85.2	63-149				
Dibromochloromethane	9.2		"	10.0		91.7	80-130				
Dibromomethane	8.4		"	10.0		83.5	72-134				
Dichlorodifluoromethane	2.8		"	10.0		28.0	44-144	Low Bias			
Ethyl Benzene	8.6		"	10.0		86.0	80-131				
Hexachlorobutadiene	7.5		"	10.0		74.8	67-146				
Isopropylbenzene	7.5		"	10.0		75.0	76-140	Low Bias			
Methyl acetate	9.6		"	10.0		95.5	51-139				
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		97.0	76-135				
Methylcyclohexane	8.5		"	10.0		85.2	72-143				
Methylene chloride	9.7		"	10.0		96.9	55-137				
n-Butylbenzene	8.0		"	10.0		79.7	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ01485 - EPA 5030B											
LCS (BJ01485-BS1)						Prepared & Analyzed: 10/27/2020					
n-Propylbenzene	7.8		ug/L	10.0		77.8	78-133	Low Bias			
o-Xylene	8.6		"	10.0		85.6	78-130				
p- & m- Xylenes	18		"	20.0		89.0	77-133				
p-Isopropyltoluene	8.2		"	10.0		81.8	81-136				
sec-Butylbenzene	8.5		"	10.0		85.2	79-137				
Styrene	8.7		"	10.0		87.4	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162				
tert-Butylbenzene	7.6		"	10.0		76.2	77-138	Low Bias			
Tetrachloroethylene	7.4		"	10.0		73.9	82-131	Low Bias			
Toluene	8.3		"	10.0		82.8	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		91.0	80-132				
trans-1,3-Dichloropropylene	8.9		"	10.0		89.3	78-131				
trans-1,4-dichloro-2-butene	8.4		"	10.0		83.5	63-141				
Trichloroethylene	8.0		"	10.0		80.0	82-128	Low Bias			
Trichlorofluoromethane	6.8		"	10.0		68.2	67-139				
Vinyl Chloride	5.8		"	10.0		57.8	58-145	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	9.46		"	10.0		94.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.45		"	10.0		94.5	79-122				
LCS Dup (BJ01485-BS1)						Prepared & Analyzed: 10/27/2020					
1,1,1,2-Tetrachloroethane	7.9		ug/L	10.0		79.4	82-126	Low Bias	5.63	30	
1,1,1-Trichloroethane	8.2		"	10.0		81.8	78-136		5.82	30	
1,1,2,2-Tetrachloroethane	7.7		"	10.0		77.1	76-129		5.55	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.8		"	10.0		77.9	54-165		7.54	30	
1,1,2-Trichloroethane	8.0		"	10.0		80.5	82-123	Low Bias	6.02	30	
1,1-Dichloroethane	8.2		"	10.0		82.3	82-129		5.21	30	
1,1-Dichloroethylene	8.0		"	10.0		80.0	68-138		6.88	30	
1,2,3-Trichlorobenzene	7.4		"	10.0		73.8	40-130		7.31	30	
1,2,3-Trichloropropane	7.7		"	10.0		76.9	77-128	Low Bias	5.07	30	
1,2,4-Trichlorobenzene	7.4		"	10.0		74.2	65-137		8.02	30	
1,2,4-Trimethylbenzene	7.4		"	10.0		73.6	82-132	Low Bias	6.32	30	
1,2-Dibromo-3-chloropropane	8.1		"	10.0		80.6	45-147		3.29	30	
1,2-Dibromoethane	8.3		"	10.0		83.2	83-124		7.52	30	
1,2-Dichlorobenzene	7.2		"	10.0		72.4	79-123	Low Bias	5.25	30	
1,2-Dichloroethane	8.8		"	10.0		87.5	73-132		5.12	30	
1,2-Dichloropropane	7.9		"	10.0		79.0	78-126		5.78	30	
1,3,5-Trimethylbenzene	7.4		"	10.0		73.9	80-131	Low Bias	7.55	30	
1,3-Dichlorobenzene	7.0		"	10.0		69.6	86-130	Low Bias	7.47	30	
1,4-Dichlorobenzene	7.0		"	10.0		70.0	85-130	Low Bias	6.90	30	
1,4-Dioxane	230		"	210		111	10-349		27.2	30	
2-Butanone	9.6		"	10.0		95.5	49-152		2.65	30	
2-Hexanone	10		"	10.0		100	51-146		2.08	30	
4-Methyl-2-pentanone	10		"	10.0		101	57-145		4.44	30	
Acetone	9.6		"	10.0		96.4	14-150		1.13	30	
Acrolein	7.4		"	10.0		73.6	10-153		6.02	30	
Acrylonitrile	10		"	10.0		103	51-150		3.87	30	
Benzene	8.3		"	10.0		82.8	85-126	Low Bias	6.54	30	
Bromochloromethane	8.9		"	10.0		89.1	77-128		3.31	30	
Bromodichloromethane	8.1		"	10.0		80.6	79-128		7.41	30	
Bromoform	8.4		"	10.0		83.8	78-133		6.13	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ01485 - EPA 5030B											
LCS Dup (BJ01485-BSD1)						Prepared & Analyzed: 10/27/2020					
Bromomethane	3.9		ug/L	10.0		38.9	43-168	Low Bias	9.78	30	
Carbon disulfide	7.8		"	10.0		77.6	68-146		5.51	30	
Carbon tetrachloride	7.9		"	10.0		78.6	77-141		6.05	30	
Chlorobenzene	7.8		"	10.0		78.0	88-120	Low Bias	6.69	30	
Chloroethane	6.6		"	10.0		65.9	65-136		7.03	30	
Chloroform	8.3		"	10.0		83.0	82-128		5.39	30	
Chloromethane	4.6		"	10.0		45.7	43-155		6.97	30	
cis-1,2-Dichloroethylene	8.4		"	10.0		84.5	83-129		6.53	30	
cis-1,3-Dichloropropylene	8.3		"	10.0		83.3	80-131		6.17	30	
Cyclohexane	7.9		"	10.0		78.8	63-149		7.80	30	
Dibromochloromethane	8.4		"	10.0		83.7	80-130		9.12	30	
Dibromomethane	7.9		"	10.0		79.0	72-134		5.54	30	
Dichlorodifluoromethane	2.6		"	10.0		25.7	44-144	Low Bias	8.57	30	
Ethyl Benzene	8.0		"	10.0		79.9	80-131	Low Bias	7.35	30	
Hexachlorobutadiene	6.7		"	10.0		67.4	67-146		10.4	30	
Isopropylbenzene	7.0		"	10.0		70.3	76-140	Low Bias	6.47	30	
Methyl acetate	9.3		"	10.0		93.3	51-139		2.33	30	
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.8	76-135		4.43	30	
Methylcyclohexane	7.8		"	10.0		77.7	72-143		9.21	30	
Methylene chloride	9.2		"	10.0		91.6	55-137		5.62	30	
n-Butylbenzene	7.4		"	10.0		74.2	79-132	Low Bias	7.15	30	
n-Propylbenzene	7.3		"	10.0		72.6	78-133	Low Bias	6.91	30	
o-Xylene	7.8		"	10.0		78.4	78-130		8.78	30	
p- & m- Xylenes	16		"	20.0		82.2	77-133		8.06	30	
p-Isopropyltoluene	7.6		"	10.0		76.2	81-136	Low Bias	7.09	30	
sec-Butylbenzene	7.9		"	10.0		78.9	79-137	Low Bias	7.68	30	
Styrene	8.2		"	10.0		81.7	67-132		6.74	30	
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162		0.0177	30	
tert-Butylbenzene	7.2		"	10.0		71.7	77-138	Low Bias	6.09	30	
Tetrachloroethylene	6.8		"	10.0		67.6	82-131	Low Bias	8.90	30	
Toluene	7.7		"	10.0		77.2	80-127	Low Bias	7.00	30	
trans-1,2-Dichloroethylene	8.7		"	10.0		86.8	80-132		4.72	30	
trans-1,3-Dichloropropylene	8.3		"	10.0		83.4	78-131		6.83	30	
trans-1,4-dichloro-2-butene	7.9		"	10.0		79.0	63-141		5.54	30	
Trichloroethylene	7.4		"	10.0		74.4	82-128	Low Bias	7.25	30	
Trichlorofluoromethane	6.2		"	10.0		62.1	67-139	Low Bias	9.36	30	
Vinyl Chloride	5.3		"	10.0		52.7	58-145	Low Bias	9.23	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.45		"	10.0		94.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.53		"	10.0		95.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01488 - EPA 5030B

Blank (BJ01488-BLK1)

Prepared & Analyzed: 10/27/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	1.2	2.0	"
n-Butylbenzene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01488 - EPA 5030B

Blank (BJ01488-BLK1)

Prepared & Analyzed: 10/27/2020

n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.73		"	10.0		97.3	69-130				
Surrogate: SURR: Toluene-d8	9.57		"	10.0		95.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				

LCS (BJ01488-BS1)

Prepared & Analyzed: 10/27/2020

1,1,1,2-Tetrachloroethane	8.5		ug/L	10.0		85.1	82-126				
1,1,1-Trichloroethane	1.5		"	10.0		15.3	78-136	Low Bias			
1,1,2,2-Tetrachloroethane	7.4		"	10.0		73.5	76-129	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		97.4	54-165				
1,1,2-Trichloroethane	8.1		"	10.0		81.1	82-123	Low Bias			
1,1-Dichloroethane	8.1		"	10.0		80.8	82-129	Low Bias			
1,1-Dichloroethylene	8.2		"	10.0		82.1	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		84.0	40-130				
1,2,3-Trichloropropane	8.1		"	10.0		80.8	77-128				
1,2,4-Trichlorobenzene	8.4		"	10.0		84.0	65-137				
1,2,4-Trimethylbenzene	7.8		"	10.0		78.3	82-132	Low Bias			
1,2-Dibromo-3-chloropropane	7.1		"	10.0		71.2	45-147				
1,2-Dibromoethane	8.4		"	10.0		84.2	83-124				
1,2-Dichlorobenzene	8.4		"	10.0		83.6	79-123				
1,2-Dichloroethane	8.0		"	10.0		80.4	73-132				
1,2-Dichloropropane	6.8		"	10.0		67.6	78-126	Low Bias			
1,3,5-Trimethylbenzene	7.8		"	10.0		78.0	80-131	Low Bias			
1,3-Dichlorobenzene	8.0		"	10.0		79.9	86-130	Low Bias			
1,4-Dichlorobenzene	8.1		"	10.0		80.8	85-130	Low Bias			
1,4-Dioxane	160		"	210		77.6	10-349				
2-Butanone	8.2		"	10.0		82.4	49-152				
2-Hexanone	6.8		"	10.0		68.1	51-146				
4-Methyl-2-pentanone	7.0		"	10.0		70.3	57-145				
Acetone	6.3		"	10.0		63.1	14-150				
Acrolein	6.0		"	10.0		60.2	10-153				
Acrylonitrile	8.9		"	10.0		88.7	51-150				
Benzene	8.8		"	10.0		87.7	85-126				
Bromochloromethane	8.1		"	10.0		80.8	77-128				
Bromodichloromethane	7.6		"	10.0		75.7	79-128	Low Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ01488 - EPA 5030B											
LCS (BJ01488-BS1)						Prepared & Analyzed: 10/27/2020					
Bromoform	8.2		ug/L	10.0		82.3	78-133				
Bromomethane	4.9		"	10.0		48.8	43-168				
Carbon disulfide	8.3		"	10.0		83.0	68-146				
Carbon tetrachloride	9.6		"	10.0		96.5	77-141				
Chlorobenzene	8.1		"	10.0		80.7	88-120	Low Bias			
Chloroethane	6.5		"	10.0		64.9	65-136	Low Bias			
Chloroform	9.0		"	10.0		90.1	82-128				
Chloromethane	4.2		"	10.0		42.3	43-155	Low Bias			
cis-1,2-Dichloroethylene	8.3		"	10.0		82.8	83-129	Low Bias			
cis-1,3-Dichloropropylene	7.2		"	10.0		72.1	80-131	Low Bias			
Cyclohexane	7.8		"	10.0		78.1	63-149				
Dibromochloromethane	8.8		"	10.0		88.2	80-130				
Dibromomethane	7.7		"	10.0		76.9	72-134				
Dichlorodifluoromethane	3.2		"	10.0		32.2	44-144	Low Bias			
Ethyl Benzene	7.6		"	10.0		75.9	80-131	Low Bias			
Hexachlorobutadiene	8.8		"	10.0		87.5	67-146				
Isopropylbenzene	7.8		"	10.0		78.5	76-140				
Methyl acetate	7.7		"	10.0		76.9	51-139				
Methyl tert-butyl ether (MTBE)	8.4		"	10.0		84.4	76-135				
Methylcyclohexane	7.2		"	10.0		72.5	72-143				
Methylene chloride	9.3		"	10.0		92.6	55-137				
n-Butylbenzene	7.8		"	10.0		78.5	79-132	Low Bias			
n-Propylbenzene	7.4		"	10.0		73.8	78-133	Low Bias			
o-Xylene	7.4		"	10.0		73.6	78-130	Low Bias			
p- & m- Xylenes	15		"	20.0		76.0	77-133	Low Bias			
p-Isopropyltoluene	8.3		"	10.0		82.8	81-136				
sec-Butylbenzene	8.3		"	10.0		82.6	79-137				
Styrene	7.9		"	10.0		79.4	67-132				
tert-Butyl alcohol (TBA)	48		"	50.0		96.7	25-162				
tert-Butylbenzene	7.9		"	10.0		79.0	77-138				
Tetrachloroethylene	6.8		"	10.0		67.7	82-131	Low Bias			
Toluene	7.7		"	10.0		76.6	80-127	Low Bias			
trans-1,2-Dichloroethylene	8.6		"	10.0		85.7	80-132				
trans-1,3-Dichloropropylene	6.8		"	10.0		68.4	78-131	Low Bias			
trans-1,4-dichloro-2-butene	6.5		"	10.0		65.3	63-141				
Trichloroethylene	8.0		"	10.0		80.2	82-128	Low Bias			
Trichlorofluoromethane	6.8		"	10.0		68.0	67-139				
Vinyl Chloride	5.8		"	10.0		58.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.45		"	10.0		94.5	69-130				
Surrogate: SURR: Toluene-d8	9.32		"	10.0		93.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.54		"	10.0		95.4	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ01488 - EPA 5030B											
LCS Dup (BJ01488-BSD1)						Prepared & Analyzed: 10/27/2020					
1,1,1,2-Tetrachloroethane	8.7		ug/L	10.0		87.4	82-126		2.67	30	
1,1,1-Trichloroethane	1.6		"	10.0		15.7	78-136	Low Bias	2.58	30	
1,1,2,2-Tetrachloroethane	7.3		"	10.0		73.3	76-129	Low Bias	0.272	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		100	54-165		2.63	30	
1,1,2-Trichloroethane	8.1		"	10.0		80.7	82-123	Low Bias	0.494	30	
1,1-Dichloroethane	8.2		"	10.0		82.0	82-129		1.47	30	
1,1-Dichloroethylene	8.4		"	10.0		83.6	68-138		1.81	30	
1,2,3-Trichlorobenzene	9.1		"	10.0		90.8	40-130		7.78	30	
1,2,3-Trichloropropane	7.7		"	10.0		77.4	77-128		4.30	30	
1,2,4-Trichlorobenzene	8.9		"	10.0		88.6	65-137		5.33	30	
1,2,4-Trimethylbenzene	8.1		"	10.0		80.6	82-132	Low Bias	2.89	30	
1,2-Dibromo-3-chloropropane	6.9		"	10.0		68.7	45-147		3.57	30	
1,2-Dibromoethane	8.6		"	10.0		85.7	83-124		1.77	30	
1,2-Dichlorobenzene	8.6		"	10.0		85.5	79-123		2.25	30	
1,2-Dichloroethane	8.0		"	10.0		79.8	73-132		0.749	30	
1,2-Dichloropropane	7.0		"	10.0		69.9	78-126	Low Bias	3.35	30	
1,3,5-Trimethylbenzene	8.1		"	10.0		81.3	80-131		4.14	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.8	86-130	Low Bias	2.35	30	
1,4-Dichlorobenzene	8.2		"	10.0		82.2	85-130	Low Bias	1.72	30	
1,4-Dioxane	140		"	210		65.9	10-349		16.4	30	
2-Butanone	8.4		"	10.0		83.5	49-152		1.33	30	
2-Hexanone	6.7		"	10.0		67.0	51-146		1.63	30	
4-Methyl-2-pentanone	7.0		"	10.0		70.0	57-145		0.428	30	
Acetone	5.8		"	10.0		58.2	14-150		8.08	30	
Acrolein	5.7		"	10.0		56.8	10-153		5.81	30	
Acrylonitrile	8.4		"	10.0		83.7	51-150		5.80	30	
Benzene	8.9		"	10.0		89.2	85-126		1.70	30	
Bromochloromethane	8.0		"	10.0		80.4	77-128		0.496	30	
Bromodichloromethane	7.7		"	10.0		76.9	79-128	Low Bias	1.57	30	
Bromoform	8.4		"	10.0		83.8	78-133		1.81	30	
Bromomethane	4.9		"	10.0		49.3	43-168		1.02	30	
Carbon disulfide	8.4		"	10.0		84.2	68-146		1.44	30	
Carbon tetrachloride	9.8		"	10.0		98.3	77-141		1.85	30	
Chlorobenzene	8.3		"	10.0		82.9	88-120	Low Bias	2.69	30	
Chloroethane	6.9		"	10.0		68.6	65-136		5.54	30	
Chloroform	9.2		"	10.0		91.8	82-128		1.87	30	
Chloromethane	4.2		"	10.0		42.5	43-155	Low Bias	0.472	30	
cis-1,2-Dichloroethylene	8.3		"	10.0		83.4	83-129		0.722	30	
cis-1,3-Dichloropropylene	7.4		"	10.0		73.8	80-131	Low Bias	2.33	30	
Cyclohexane	8.0		"	10.0		79.5	63-149		1.78	30	
Dibromochloromethane	9.0		"	10.0		89.5	80-130		1.46	30	
Dibromomethane	7.7		"	10.0		76.7	72-134		0.260	30	
Dichlorodifluoromethane	3.2		"	10.0		32.4	44-144	Low Bias	0.619	30	
Ethyl Benzene	7.9		"	10.0		79.2	80-131	Low Bias	4.26	30	
Hexachlorobutadiene	9.3		"	10.0		92.8	67-146		5.88	30	
Isopropylbenzene	8.0		"	10.0		80.1	76-140		2.02	30	
Methyl acetate	7.2		"	10.0		72.5	51-139		5.89	30	
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		85.2	76-135		0.943	30	
Methylcyclohexane	7.7		"	10.0		77.3	72-143		6.41	30	
Methylene chloride	9.3		"	10.0		93.3	55-137		0.753	30	
n-Butylbenzene	8.3		"	10.0		83.4	79-132		6.05	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01488 - EPA 5030B

LCS Dup (BJ01488-BSD1)

Prepared & Analyzed: 10/27/2020

n-Propylbenzene	7.6		ug/L	10.0		76.2	78-133	Low Bias	3.20	30
o-Xylene	7.7		"	10.0		76.6	78-130	Low Bias	3.99	30
p- & m- Xylenes	16		"	20.0		79.0	77-133		3.93	30
p-Isopropyltoluene	8.7		"	10.0		86.9	81-136		4.83	30
sec-Butylbenzene	8.7		"	10.0		86.9	79-137		5.07	30
Styrene	8.2		"	10.0		82.0	67-132		3.22	30
tert-Butyl alcohol (TBA)	45		"	50.0		90.1	25-162		7.09	30
tert-Butylbenzene	8.3		"	10.0		82.9	77-138		4.82	30
Tetrachloroethylene	7.0		"	10.0		70.0	82-131	Low Bias	3.34	30
Toluene	8.0		"	10.0		79.5	80-127	Low Bias	3.72	30
trans-1,2-Dichloroethylene	8.7		"	10.0		86.7	80-132		1.16	30
trans-1,3-Dichloropropylene	6.8		"	10.0		68.5	78-131	Low Bias	0.146	30
trans-1,4-dichloro-2-butene	6.6		"	10.0		65.6	63-141		0.458	30
Trichloroethylene	8.3		"	10.0		82.9	82-128		3.31	30
Trichlorofluoromethane	7.3		"	10.0		73.1	67-139		7.23	30
Vinyl Chloride	6.1		"	10.0		61.0	58-145		4.18	30
Surrogate: SURR: 1,2-Dichloroethane-d4	9.24		"	10.0		92.4	69-130			
Surrogate: SURR: Toluene-d8	9.35		"	10.0		93.5	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.50		"	10.0		95.0	79-122			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01702 - EPA 3015A

Blank (BJ01702-BLK1)

Prepared: 10/29/2020 Analyzed: 10/30/2020

Antimony - Dissolved	ND	0.028	mg/L								
Arsenic - Dissolved	ND	0.017	"								
Beryllium - Dissolved	ND	0.0006	"								
Cadmium - Dissolved	ND	0.003	"								
Chromium - Dissolved	ND	0.006	"								
Copper - Dissolved	0.053	0.022	"								
Lead - Dissolved	ND	0.006	"								
Nickel - Dissolved	ND	0.011	"								
Selenium - Dissolved	ND	0.028	"								
Silver - Dissolved	ND	0.006	"								
Thallium - Dissolved	ND	0.028	"								
Zinc - Dissolved	ND	0.028	"								

LCS (BJ01702-BS1)

Prepared: 10/29/2020 Analyzed: 10/30/2020

Antimony - Dissolved	0.261		ug/mL	0.250	104	80-120					
Arsenic - Dissolved	1.90		"	2.00	95.1	80-120					
Beryllium - Dissolved	0.050		"	0.0500	99.7	80-120					
Cadmium - Dissolved	0.050		"	0.0500	101	80-120					
Chromium - Dissolved	0.199		"	0.200	99.5	80-120					
Copper - Dissolved	0.306		"	0.250	122	80-120	High Bias				
Lead - Dissolved	0.521		"	0.500	104	80-120					
Nickel - Dissolved	0.507		"	0.500	101	80-120					
Selenium - Dissolved	1.70		"	2.00	85.1	80-120					
Silver - Dissolved	0.046		"	0.0500	91.7	80-120					
Thallium - Dissolved	1.93		"	2.00	96.4	80-120					
Zinc - Dissolved	0.495		"	0.500	98.9	80-120					



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01741 - EPA 3015A

Blank (BJ01741-BLK1)

Prepared: 10/29/2020 Analyzed: 10/30/2020

Antimony	ND	0.028	mg/L
Arsenic	ND	0.017	"
Beryllium	ND	0.0006	"
Cadmium	ND	0.003	"
Chromium	ND	0.006	"
Copper	ND	0.022	"
Lead	ND	0.006	"
Nickel	ND	0.011	"
Selenium	ND	0.028	"
Silver	ND	0.006	"
Thallium	ND	0.028	"
Zinc	ND	0.028	"

LCS (BJ01741-BS1)

Prepared: 10/29/2020 Analyzed: 10/30/2020

Antimony	0.266	ug/mL	0.250	106	80-120
Arsenic	1.93	"	2.00	96.6	80-120
Beryllium	0.051	"	0.0500	101	80-120
Cadmium	0.051	"	0.0500	102	80-120
Chromium	0.202	"	0.200	101	80-120
Copper	0.291	"	0.250	116	80-120
Lead	0.528	"	0.500	106	80-120
Nickel	0.519	"	0.500	104	80-120
Selenium	1.74	"	2.00	87.1	80-120
Silver	0.046	"	0.0500	92.8	80-120
Thallium	1.97	"	2.00	98.3	80-120
Zinc	0.498	"	0.500	99.5	80-120



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01380 - EPA 7473 water

Blank (BJ01380-BLK1)							Prepared & Analyzed: 10/23/2020				
Mercury	ND	0.00020	mg/L								
Reference (BJ01380-SRM1)							Prepared & Analyzed: 10/23/2020				
Mercury	0.0102		mg/L	0.0100		102	70-130				

Batch BJ01743 - EPA 7473 water

Blank (BJ01743-BLK1)							Prepared & Analyzed: 10/29/2020				
Mercury - Dissolved	ND	0.0002000	mg/L								
Duplicate (BJ01743-DUP1)							Prepared & Analyzed: 10/29/2020				
Mercury - Dissolved	ND	0.0002000	mg/L		ND					20	
Matrix Spike (BJ01743-MS1)							Prepared & Analyzed: 10/29/2020				
Mercury - Dissolved	0.008720		mg/L	0.0100	0.0001703	85.5	75-125				
Reference (BJ01743-SRM1)							Prepared & Analyzed: 10/29/2020				
Mercury - Dissolved	0.009379		mg/L	0.0100		93.8	70-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20J1067-01	KC-MW-01 1020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20J1067-02	KC-MW-02 1020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20J1067-03	KC-MW-05 1020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20J1067-04	KC-MW-06 1020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20J1067-05	KC-FD-01 1020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20J1067-06	TRIP BLANK 1020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

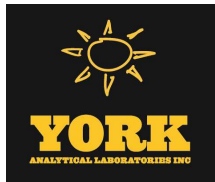


Sample and Data Qualifiers Relating to This Work Order

VSAMP	The sample vials provided were consumed during analysis and no remaining sample was available for reanalysis.
VOA-CO	The result reported is due to carryover from a previous sample run in the batch. Insufficient sample was available for rerun.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Laboratory Chain-of-Custody Record

York Project (SDG) No.: 20J1067

Samples Received: 10/23/2020 13:55 By: Terri Gale Logged In: 10/23/2020 10:14 By: Terri Gale

Sample Conditions:

☒ Custody Seals	☒ Chain of Custody Form Received
☒ Containers Intact	☒ Appropriate Sample Volumes Received
☒ COC/Labels Agree	☒ Appropriate Sample Containers Submitted
☒ Preservation Confirmed	☒ Samples Submitted within Holding Times
☒ Cooler Temperature Confirmed	☐ Corrective Action Form Required
☒ COC Complete	

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
20J1067-01	EPA 3015A	10/29/2020 17:15	10/29/2020 17:15	Sarah Yu
20J1067-01	EPA 3015A	10/29/2020 12:02	10/29/2020 12:02	Sarah Yu
20J1067-02	EPA 3015A	10/29/2020 17:15	10/29/2020 17:15	Sarah Yu
20J1067-03	EPA 3015A	10/29/2020 17:15	10/29/2020 17:15	Sarah Yu
20J1067-05	EPA 3015A	10/29/2020 17:15	10/29/2020 17:15	Sarah Yu
20J1067-01RE1	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-01RE2	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-02	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-03	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-04	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-05	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-06	EPA 5030B	10/27/2020 9:30	10/27/2020 9:30	Chelsy L. O'Leary
20J1067-01	EPA 7473 water	10/23/2020 12:12	10/23/2020 12:12	Sarah Yu
20J1067-01	EPA 7473 water	10/29/2020 17:25	10/29/2020 17:25	Sarah Yu
20J1067-02	EPA 7473 water	10/23/2020 12:12	10/23/2020 12:12	Sarah Yu
20J1067-03	EPA 7473 water	10/23/2020 12:12	10/23/2020 12:12	Sarah Yu
20J1067-05	EPA 7473 water	10/23/2020 12:12	10/23/2020 12:12	Sarah Yu

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20J1067-01	Mercury by 7473	10/23/2020 12:12	10/23/2020 20:14	Ali Akbar
20J1067-02	Mercury by 7473	10/23/2020 12:12	10/23/2020 20:24	Ali Akbar
20J1067-03	Mercury by 7473	10/23/2020 12:12	10/23/2020 20:35	Ali Akbar
20J1067-05	Mercury by 7473	10/23/2020 12:12	10/23/2020 20:45	Ali Akbar



Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20J1067-01	Mercury by 7473, Dissolved	10/29/2020 17:25	10/29/2020 17:59	Margaret A. Ottersen
20J1067-01	Metals, Priority Pollutant	10/29/2020 17:15	10/30/2020 11:41	William J Midolo
20J1067-02	Metals, Priority Pollutant	10/29/2020 17:15	10/30/2020 11:45	William J Midolo
20J1067-03	Metals, Priority Pollutant	10/29/2020 17:15	10/30/2020 11:48	William J Midolo
20J1067-05	Metals, Priority Pollutant	10/29/2020 17:15	10/30/2020 11:51	William J Midolo
20J1067-01	Metals, Priority Pollutant, Dissolved	10/29/2020 12:02	10/30/2020 11:10	William J Midolo
20J1067-01RE1	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 18:08	Chelsy L. O'Leary
20J1067-01RE2	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 18:37	Chelsy L. O'Leary
20J1067-02	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 19:06	Chelsy L. O'Leary
20J1067-03	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 19:35	Chelsy L. O'Leary
20J1067-04	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 22:59	Chelsy L. O'Leary
20J1067-05	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 23:28	Chelsy L. O'Leary
20J1067-06	Volatile Organics, 8260 - Comprehens	10/27/2020 9:30	10/27/2020 23:58	Chelsy L. O'Leary



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Field Chain-of-Custody Record

YORK Project No.

20J1067

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	CHAZEN	Company:	CHAZEN	Company:	CHAZEN	41103.20		RUSH - Next Day	
Address:		Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone:		Phone:		Phone:		Kingston CVS		RUSH - Three Day	
Contact:	ERIC OROWSKI	Contact:	ERIC OROWSKI	Contact:	ACCOUNTS PAYABLE	YOUR PO#: 07696		RUSH - Four Day	
E-mail:		E-mail:		E-mail:				Standard (5-7 Day)	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
Samples Collected by: (print your name above and sign below) ERIC OROWSKI <i>[Signature]</i>		S - soil / solid		New York		Summary Report		Compared to the following Regulation(s): (please fill in)	
		GW - groundwater		New Jersey		QA Report		Standard Excel EDD	
		DW - drinking water		Connecticut		NY ASP A Package		CT RCP DQA/DUE	
		WW - wastewater		Pennsylvania		NY ASP B Package		EQUS (Standard)	
		O - Oil ; Other		Other				NJDEP Reduced Deliverables	
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
KC-MW-01 1020		G12		10/22/2020 1449		8260 VOCs, Priority Pollutant Metals, DISOLVED		3x40 mL VOA, 2x250 mL	
KC-MW-02 1020				1224				3x40 mL VOA, 1x250 mL	
KC-MW-05 1020				1135				3x40 mL VOA, 1x250 mL	
KC-MW-06 1020				1525				3x40 mL VOA	
KC-FD-01 1020		DI		0945		Priority Pollutant Metals		3x40 mL VOA, 1x250 mL	
TRIP BLANK 1020								3x40 mL VOA	
Comments:		Preservation: (check all that apply)		HCl ☒ MeOH ☒ HNO3 ☒ H2SO4 ☒ NaOH ☐ ZnAc ☐		Field Filtered ☒		Lab to Filter ☐	
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time			
EOROWSKI/CHAZEN		10/23/2020 0815		COOPER TO LAB		10-23-20 8:50		10-23-20 1355	
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time			
Chic		10-23-20 8:50							
Samples Relinquished by / Company		Date/Time		Samples Received in LAB by		Date/Time		Temp. Received at Lab	
				7946 10/23/2020 1355				2.4	

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 20J1067

CLASS: VOA

METHOD: EPA 8260C

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20J1067

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 Kingston CVS

Client Sample Id:

KC-MW-01 1020

KC-MW-01 1020

KC-MW-01 1020

KC-MW-02 1020

KC-MW-05 1020

KC-MW-06 1020

KC-FD-01 1020

TRIP BLANK 1020

Lab Sample Id:

20J1067-01

20J1067-01RE1

20J1067-01RE2

20J1067-02

20J1067-03

20J1067-04

20J1067-05

20J1067-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

11/4/2020

Title:

Laboratory Director

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

KC-MW-01 1020

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-01RE1 File ID: V821230.D
 Sampled: 10/22/20 14:49 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 18:08
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	200	100	U
71-55-6	1,1,1-Trichloroethane	200	100	U
79-34-5	1,1,2,2-Tetrachloroethane	200	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	200	100	U
79-00-5	1,1,2-Trichloroethane	200	100	U
75-34-3	1,1-Dichloroethane	200	100	U
75-35-4	1,1-Dichloroethylene	200	200	D
87-61-6	1,2,3-Trichlorobenzene	200	100	U
96-18-4	1,2,3-Trichloropropane	200	100	U
120-82-1	1,2,4-Trichlorobenzene	200	100	U
95-63-6	1,2,4-Trimethylbenzene	200	100	U
96-12-8	1,2-Dibromo-3-chloropropane	200	100	U
106-93-4	1,2-Dibromoethane	200	100	U
95-50-1	1,2-Dichlorobenzene	200	100	U
107-06-2	1,2-Dichloroethane	200	100	U
78-87-5	1,2-Dichloropropane	200	100	U
108-67-8	1,3,5-Trimethylbenzene	200	100	U
541-73-1	1,3-Dichlorobenzene	200	100	U
106-46-7	1,4-Dichlorobenzene	200	100	U
123-91-1	1,4-Dioxane	200	8000	U
78-93-3	2-Butanone	200	100	U
591-78-6	2-Hexanone	200	100	U
108-10-1	4-Methyl-2-pentanone	200	100	U
67-64-1	Acetone	200	400	U
107-02-8	Acrolein	200	100	U
107-13-1	Acrylonitrile	200	100	U
71-43-2	Benzene	200	100	U
74-97-5	Bromochloromethane	200	100	U
75-27-4	Bromodichloromethane	200	100	U
75-25-2	Bromoform	200	100	U
74-83-9	Bromomethane	200	100	U
75-15-0	Carbon disulfide	200	100	U
56-23-5	Carbon tetrachloride	200	100	U
108-90-7	Chlorobenzene	200	100	U
75-00-3	Chloroethane	200	100	U
67-66-3	Chloroform	200	100	U
74-87-3	Chloromethane	200	100	U
10061-01-5	cis-1,3-Dichloropropylene	200	100	U
110-82-7	Cyclohexane	200	100	U
124-48-1	Dibromochloromethane	200	100	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

KC-MW-01 1020

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-01RE1 File ID: V821230.D
 Sampled: 10/22/20 14:49 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 18:08
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	200	100	U
75-71-8	Dichlorodifluoromethane	200	100	U
100-41-4	Ethyl Benzene	200	100	U
87-68-3	Hexachlorobutadiene	200	100	U
98-82-8	Isopropylbenzene	200	100	U
79-20-9	Methyl acetate	200	100	U
1634-04-4	Methyl tert-butyl ether (MTBE)	200	100	U
108-87-2	Methylcyclohexane	200	100	U
75-09-2	Methylene chloride	200	400	U
104-51-8	n-Butylbenzene	200	100	U
103-65-1	n-Propylbenzene	200	100	U
95-47-6	o-Xylene	200	100	U
179601-23-1	p- & m- Xylenes	200	200	U
99-87-6	p-Isopropyltoluene	200	100	U
135-98-8	sec-Butylbenzene	200	100	U
100-42-5	Styrene	200	100	U
75-65-0	tert-Butyl alcohol (TBA)	200	200	U
98-06-6	tert-Butylbenzene	200	100	U
127-18-4	Tetrachloroethylene	200	100	U
108-88-3	Toluene	200	100	U
156-60-5	trans-1,2-Dichloroethylene	200	1400	D
10061-02-6	trans-1,3-Dichloropropylene	200	100	U
110-57-6	trans-1,4-dichloro-2-butene	200	100	U
75-69-4	Trichlorofluoromethane	200	100	U
75-01-4	Vinyl Chloride	200	6800	D
1330-20-7	Xylenes, Total	200	300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.95	99.5	69 - 130	D
SURR: Toluene-d8	10.0	9.66	96.6	81 - 117	D
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	D

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
Matrix: Water Laboratory ID: 20J1067-01RE2 File ID: V821231.D
Sampled: 10/22/20 14:49 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 18:37
Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
156-59-2	cis-1,2-Dichloroethylene	1000	40000	D
79-01-6	Trichloroethylene	1000	37000	D

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-02 File ID: V821232.D
 Sampled: 10/22/20 12:29 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 19:06
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	1.4	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-02 File ID: V821232.D
 Sampled: 10/22/20 12:29 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 19:06
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.5	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	1.2	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.32	J
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.67	96.7	69 - 130	
SURR: Toluene-d8	10.0	9.61	96.1	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-03 File ID: V821233.D
 Sampled: 10/22/20 11:35 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 19:35
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	10	5.0	U
71-55-6	1,1,1-Trichloroethane	10	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	10	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10	5.0	U
79-00-5	1,1,2-Trichloroethane	10	5.0	U
75-34-3	1,1-Dichloroethane	10	5.0	U
75-35-4	1,1-Dichloroethylene	10	5.0	U
87-61-6	1,2,3-Trichlorobenzene	10	5.0	U
96-18-4	1,2,3-Trichloropropane	10	5.0	U
120-82-1	1,2,4-Trichlorobenzene	10	5.0	U
95-63-6	1,2,4-Trimethylbenzene	10	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	5.0	U
106-93-4	1,2-Dibromoethane	10	5.0	U
95-50-1	1,2-Dichlorobenzene	10	5.0	U
107-06-2	1,2-Dichloroethane	10	5.0	U
78-87-5	1,2-Dichloropropane	10	5.0	U
108-67-8	1,3,5-Trimethylbenzene	10	5.0	U
541-73-1	1,3-Dichlorobenzene	10	5.0	U
106-46-7	1,4-Dichlorobenzene	10	5.0	U
123-91-1	1,4-Dioxane	10	400	U
78-93-3	2-Butanone	10	5.0	U
591-78-6	2-Hexanone	10	5.0	U
108-10-1	4-Methyl-2-pentanone	10	5.0	U
67-64-1	Acetone	10	20	U
107-02-8	Acrolein	10	5.0	U
107-13-1	Acrylonitrile	10	5.0	U
71-43-2	Benzene	10	5.0	U
74-97-5	Bromochloromethane	10	5.0	U
75-27-4	Bromodichloromethane	10	5.0	U
75-25-2	Bromoform	10	5.0	U
74-83-9	Bromomethane	10	5.0	U
75-15-0	Carbon disulfide	10	5.0	U
56-23-5	Carbon tetrachloride	10	5.0	U
108-90-7	Chlorobenzene	10	5.0	U
75-00-3	Chloroethane	10	5.0	U
67-66-3	Chloroform	10	5.0	U
74-87-3	Chloromethane	10	5.0	U
156-59-2	cis-1,2-Dichloroethylene	10	95	D
10061-01-5	cis-1,3-Dichloropropylene	10	5.0	U
110-82-7	Cyclohexane	10	5.0	U

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-03 File ID: V821233.D
 Sampled: 10/22/20 11:35 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 19:35
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01488 Sequence: Y0J2851 Calibration: YJ00023 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	10	5.0	U
74-95-3	Dibromomethane	10	5.0	U
75-71-8	Dichlorodifluoromethane	10	5.0	U
100-41-4	Ethyl Benzene	10	5.0	U
87-68-3	Hexachlorobutadiene	10	5.0	U
98-82-8	Isopropylbenzene	10	5.0	U
79-20-9	Methyl acetate	10	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	10	5.0	U
108-87-2	Methylcyclohexane	10	5.0	U
75-09-2	Methylene chloride	10	20	U
104-51-8	n-Butylbenzene	10	5.0	U
103-65-1	n-Propylbenzene	10	5.0	U
95-47-6	o-Xylene	10	5.0	U
179601-23-1	p- & m- Xylenes	10	10	U
99-87-6	p-Isopropyltoluene	10	5.0	U
135-98-8	sec-Butylbenzene	10	5.0	U
100-42-5	Styrene	10	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	10	25	U
98-06-6	tert-Butylbenzene	10	5.0	U
127-18-4	Tetrachloroethylene	10	5.0	U
108-88-3	Toluene	10	5.0	U
156-60-5	trans-1,2-Dichloroethylene	10	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	10	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	10	5.0	U
79-01-6	Trichloroethylene	10	110	D
75-69-4	Trichlorofluoromethane	10	5.0	U
75-01-4	Vinyl Chloride	10	5.0	U
1330-20-7	Xylenes, Total	10	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.0	100	69 - 130	
SURR: Toluene-d8	10.0	9.69	96.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-04 File ID: V742124.D
 Sampled: 10/22/20 15:25 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 22:59
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01485 Sequence: Y0K0236 Calibration: YJ00010 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.54	
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.74	
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.7	
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	4.2	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-04 File ID: V742124.D
 Sampled: 10/22/20 15:25 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 22:59
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01485 Sequence: Y0K0236 Calibration: YJ00010 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methycyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	2.5	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.23	J
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	5.4	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.22	J
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.5	105	69 - 130	
SURR: Toluene-d8	10.0	9.57	95.7	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.2	102	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-05 File ID: V742125.D
 Sampled: 10/22/20 00:00 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 23:28
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01485 Sequence: Y0K0236 Calibration: YJ00010 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.33	J
75-34-3	1,1-Dichloroethane	1	18	
75-35-4	1,1-Dichloroethylene	1	120	E
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.83	
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.26	J
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	1000	E
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-05 File ID: V742125.D
 Sampled: 10/22/20 00:00 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 23:28
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01485 Sequence: Y0K0236 Calibration: YJ00010 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.5	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.22	J
108-88-3	Toluene	1	1.1	
156-60-5	trans-1,2-Dichloroethylene	1	740	E
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	800	E
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.40	94.0	69 - 130	
SURR: Toluene-d8	10.0	8.62	86.2	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-06 File ID: V742126.D
 Sampled: 10/22/20 09:45 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 23:58
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01485 Sequence: Y0K0236 Calibration: YJ00010 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	4.0	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 20J1067
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 Kingston CVS
 Matrix: Water Laboratory ID: 20J1067-06 File ID: V742126.D
 Sampled: 10/22/20 09:45 Prepared: 10/27/20 09:30 Analyzed: 10/27/20 23:58
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BJ01485 Sequence: Y0K0236 Calibration: YJ00010 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methycyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.5	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.22	J
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	4.3	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.58	
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
SURR: Toluene-d8	10.0	9.42	94.2	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 20J1067

CLASS: METALS

METHOD: EPA 6010D

DATA PACKAGE COVER PAGE

EPA 6010D

Laboratory: York Analytical Laboratories, Inc.

SDG: 20J1067

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 Kingston CVS

Client Sample Id:

KC-MW-01 1020

KC-MW-02 1020

KC-MW-05 1020

KC-FD-01 1020

Lab Sample Id:

20J1067-01

20J1067-02

20J1067-03

20J1067-05

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

11/4/2020

Title:

Laboratory Director

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-01File ID: qbi103020ARE 1-028Sampled: 10/22/20 14:49Prepared: 10/29/20 17:15Analyzed: 10/30/20 11:41Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BJ01741Sequence: Y0J3014Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7440-36-0	Antimony	0.028	1	U	EPA 6010D
7440-36-0	Antimony (dissolved)	0.028	1	U	EPA 6010D
7440-38-2	Arsenic	0.021	1		EPA 6010D
7440-38-2	Arsenic (dissolved)	0.017	1	U	EPA 6010D
7440-41-7	Beryllium	0.0006	1		EPA 6010D
7440-41-7	Beryllium (dissolved)	0.0006	1	U	EPA 6010D
7440-43-9	Cadmium	0.008	1		EPA 6010D
7440-43-9	Cadmium (dissolved)	0.003	1	U	EPA 6010D
7440-47-3	Chromium	0.013	1		EPA 6010D
7440-47-3	Chromium (dissolved)	0.006	1	U	EPA 6010D
7440-50-8	Copper	0.093	1		EPA 6010D
7440-50-8	Copper (dissolved)	0.046	1	B	EPA 6010D
7439-92-1	Lead	0.027	1		EPA 6010D
7439-92-1	Lead (dissolved)	0.006	1	U	EPA 6010D
7440-02-0	Nickel	0.383	1		EPA 6010D
7440-02-0	Nickel (dissolved)	0.351	1		EPA 6010D
7782-49-2	Selenium	0.123	1		EPA 6010D
7782-49-2	Selenium (dissolved)	0.126	1		EPA 6010D
7440-22-4	Silver	0.006	1	U	EPA 6010D
7440-22-4	Silver (dissolved)	0.006	1	U	EPA 6010D
7440-28-0	Thallium	0.028	1	U	EPA 6010D
7440-28-0	Thallium (dissolved)	0.028	1	U	EPA 6010D
7440-66-6	Zinc	0.087	1		EPA 6010D
7440-66-6	Zinc (dissolved)	0.028	1	U	EPA 6010D

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-02File ID: qbi103020ARE_1-029Sampled: 10/22/20 12:29Prepared: 10/29/20 17:15Analyzed: 10/30/20 11:45Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BJ01741Sequence: Y0J3014Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7440-36-0	Antimony	0.028	1	U	EPA 6010D
7440-38-2	Arsenic	0.017	1	U	EPA 6010D
7440-41-7	Beryllium	0.0006	1	U	EPA 6010D
7440-43-9	Cadmium	0.003	1	U	EPA 6010D
7440-47-3	Chromium	0.006	1	U	EPA 6010D
7440-50-8	Copper	0.032	1		EPA 6010D
7439-92-1	Lead	0.006	1	U	EPA 6010D
7440-02-0	Nickel	0.011	1	U	EPA 6010D
7782-49-2	Selenium	0.028	1	U	EPA 6010D
7440-22-4	Silver	0.006	1	U	EPA 6010D
7440-28-0	Thallium	0.028	1	U	EPA 6010D
7440-66-6	Zinc	0.028	1	U	EPA 6010D

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-03File ID: qbi103020ARE_1-030Sampled: 10/22/20 11:35Prepared: 10/29/20 17:15Analyzed: 10/30/20 11:48Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BJ01741Sequence: Y0J3014Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7440-36-0	Antimony	0.028	1	U	EPA 6010D
7440-38-2	Arsenic	0.017	1	U	EPA 6010D
7440-41-7	Beryllium	0.0006	1	U	EPA 6010D
7440-43-9	Cadmium	0.003	1	U	EPA 6010D
7440-47-3	Chromium	0.006	1	U	EPA 6010D
7440-50-8	Copper	0.024	1		EPA 6010D
7439-92-1	Lead	0.006	1	U	EPA 6010D
7440-02-0	Nickel	0.011	1	U	EPA 6010D
7782-49-2	Selenium	0.054	1		EPA 6010D
7440-22-4	Silver	0.006	1	U	EPA 6010D
7440-28-0	Thallium	0.028	1	U	EPA 6010D
7440-66-6	Zinc	0.028	1	U	EPA 6010D

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-05File ID: qbi103020ARE_1-031Sampled: 10/22/20 00:00Prepared: 10/29/20 17:15Analyzed: 10/30/20 11:51Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BJ01741Sequence: Y0J3014Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7440-36-0	Antimony	0.028	1	U	EPA 6010D
7440-38-2	Arsenic	0.017	1	U	EPA 6010D
7440-41-7	Beryllium	0.001	1		EPA 6010D
7440-43-9	Cadmium	0.013	1		EPA 6010D
7440-47-3	Chromium	0.031	1		EPA 6010D
7440-50-8	Copper	0.119	1		EPA 6010D
7439-92-1	Lead	0.046	1		EPA 6010D
7440-02-0	Nickel	0.417	1		EPA 6010D
7782-49-2	Selenium	0.105	1		EPA 6010D
7440-22-4	Silver	0.006	1	U	EPA 6010D
7440-28-0	Thallium	0.028	1	U	EPA 6010D
7440-66-6	Zinc	0.162	1		EPA 6010D

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 20J1067

CLASS: HG

METHOD: EPA 7473

DATA PACKAGE COVER PAGE

EPA 7473

Laboratory: York Analytical Laboratories, Inc.

SDG: 20J1067

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 Kingston CVS

Client Sample Id:

KC-MW-01 1020

KC-MW-02 1020

KC-MW-05 1020

KC-FD-01 1020

Lab Sample Id:

20J1067-01

20J1067-02

20J1067-03

20J1067-05

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

11/4/2020

Title:

Laboratory Director

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-01File ID: QBHGDMA80-01 102320A-051Sampled: 10/22/20 14:49Prepared: 10/23/20 12:12Analyzed: 10/23/20 20:14Solids: 0.00Preparation: EPA 7473 waterInitial/Final: 0.25 mL / 0.25 mLBatch: BJ01380Sequence: Y0J2338Calibration: UNASSIGNEDInstrument: DMA 80-01

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury	0.00020	1	U	EPA 7473
7439-97-6	Mercury (dissolved)	0.0002000	1	U	EPA 7473

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-02File ID: QBHGDMA80-01 102320A-052Sampled: 10/22/20 12:29Prepared: 10/23/20 12:12Analyzed: 10/23/20 20:24Solids: 0.00Preparation: EPA 7473 waterInitial/Final: 0.25 mL / 0.25 mLBatch: BJ01380Sequence: Y0J2338Calibration: UNASSIGNEDInstrument: DMA 80-01

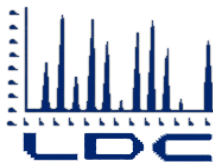
CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury	0.00020	1	U	EPA 7473

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-03File ID: QBHGDMA80-01 102320A-053Sampled: 10/22/20 11:35Prepared: 10/23/20 12:12Analyzed: 10/23/20 20:35Solids: 0.00Preparation: EPA 7473 waterInitial/Final: 0.25 mL / 0.25 mLBatch: BJ01380Sequence: Y0J2338Calibration: UNASSIGNEDInstrument: DMA 80-01

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury	0.00020	1	U	EPA 7473

Laboratory: York Analytical Laboratories, Inc.SDG: 20J1067Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 Kingston CVSMatrix: WaterLaboratory ID: 20J1067-05File ID: QBHGDMA80-01 102320A-054Sampled: 10/22/20 00:00Prepared: 10/23/20 12:12Analyzed: 10/23/20 20:45Solids: 0.00Preparation: EPA 7473 waterInitial/Final: 0.25 mL / 0.25 mLBatch: BJ01380Sequence: Y0J2338Calibration: UNASSIGNEDInstrument: DMA 80-01

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury	0.00020	1	U	EPA 7473



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

The Chazen Companies
21 Fox Street
Poughkeepsie, NY 12601
ATTN: Mr. Eric Orlowski
eorlowski@chazencompanies.com

January 11, 2021

SUBJECT: Former Utility Platers/Kingston Diagnostics, Validation Report

Dear Mr. Orlowski,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on December 17, 2020. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #50033:

<u>SDG #</u>	<u>Fraction</u>
20J1067	Volatiles, Metals

The data validation was performed under Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review; January 2017
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review; January 2017
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
crink@lab-data.com
Project Manager/Senior Chemist

[illegible]

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Former Utility Platers/Kingston Diagnostics

LDC Report Date: January 11, 2021

Parameters: Volatiles

Validation Level: Level II

Laboratory: York Analytical Laboratories, Inc.

Sample Delivery Group (SDG): 20J1067

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
KC-MW-01 1020	20J1067-01	Water	10/22/20
KC-MW-02 1020	20J1067-02	Water	10/22/20
KC-MW-05 1020	20J1067-03	Water	10/22/20
KC-MW-06 1020	20J1067-04	Water	10/22/20
KC-FD-01 1020	20J1067-05	Water	10/22/20
TRIP BLANK 1020	20J1067-06	Water	10/22/20

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UU (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance check data were not reviewed for Level II validation.

III. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

IV. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analysis Date	Compound	Concentration	Associated Samples
BJ01485-BLK1	10/27/20	1,4-Dioxane tert-Butyl alcohol	48 ug/L 0.73 ug/L	KC-MW-06 1020 KC-FD-01 1020 TRIP BLANK 1020
BJ01488-BLK1	10/27/20	Methylene chloride	1.2 ug/L	KC-MW-01 1020 KC-MW-02 1020 KC-MW-05 1020

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated laboratory blanks.

VI. Field Blanks

Sample TRIP BLANK 1020 was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Compound	Concentration	Associated Samples
TRIP BLANK 1020	10/22/20	cis-1,2-Dichloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride	4.0 ug/L	KC-MW-01 1020 KC-MW-02 1020 KC-MW-05 1020 KC-MW-06 1020 KC-FD-01 1020

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
KC-MW-02 1020	cis-1,2-Dichloroethene Trichloroethene Vinyl chloride	1.4 ug/L 1.2 ug/L 0.32 ug/L	1.4U ug/L 1.2U ug/L 0.50U ug/L
KC-MW-06 1020	trans-1,2-Dichloroethene Vinyl chloride	0.23 ug/L 0.22 ug/L	0.50U ug/L 0.50U ug/L

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
BJ01485-LCS/LCSD (KC-MW-06 1020 KC-FD-01 1020 TRIP BLANK 1020)	1,1,1,2-Tetrachloroethane	-	79.4 (82-126)	J (all detects) UJ (all non-detects)	P
	1,1,2-Trichloroethane	-	80.5 (82-123)		
	1,2,3-Trichloropropane	-	76.9 (77-128)		
	1,2,4-Trimethylbenzene	78.4 (82-132)	73.6 (82-132)		
	1,2-Dichlorobenzene	76.3 (79-123)	72.4 (79-123)		
	1,3,5-Trimethylbenzene	79.7 (80-131)	73.9 (80-131)		
	1,3-Dichlorobenzene	75.0 (86-130)	69.6 (86-130)		
	1,4-Dichlorobenzene	75.0 (85-130)	70.0 (85-130)		
	Benzene	-	82.8 (85-126)		
	Bromomethane	42.9 (43-168)	38.9 (43-168)		
	Chlorobenzene	83.4 (88-120)	78.0 (88-120)		
	Dichlorodifluoromethane	28.0 (44-144)	25.7 (44-144)		
	Ethylbenzene	-	79.9 (80-131)		
	Isopropylbenzene	75.0 (76-140)	70.3 (76-140)		
	n-Butylbenzene	-	74.2 (79-132)		
	n-Propylbenzene	-	72.6 (78-133)		
	p-Isopropyltoluene	-	76.2 (81-136)		
	sec-Butylbenzene	-	78.9 (79-137)		
	tert-Butylbenzene	76.2 (77-138)	71.7 (77-138)		
	Tetrachloroethene	73.9 (82-131)	67.6 (82-131)		
	Toluene	-	77.2 (80-127)		
	Trichloroethene	80.0 (82-128)	74.4 (82-128)		
	Trichlorofluoromethane	-	62.1 (67-139)		
	Vinyl chloride	57.8 (58-145)	52.7 (58-145)		
BJ01488-LCS/LCSD (KC-MW-01 1020 KC-MW-02 1020 KC-MW-05 1020)	1,1,1-Trichloroethane	15.3 (78-136)	15.7 (78-136)	J (all detects) UJ (all non-detects)	P
	1,1,2,2-Tetrachloroethane	73.5 (76-129)	73.3 (76-129)		
	1,1,2-Trichloroethane	81.1 (82-123)	80.7 (82-123)		
	1,1-Dichloroethane	80.8 (82-129)	-		
	1,2,4-Trimethylbenzene	78.3 (82-132)	80.6 (82-132)		
	1,2-Dichloropropane	67.6 (78-126)	69.9 (78-126)		
	1,3,5-Trimethylbenzene	78.0 (80-131)	-		
	1,3-Dichlorobenzene	79.9 (86-160)	81.8 (86-130)		
	1,4-Dichlorobenzene	80.8 (85-130)	82.2 (85-130)		
	Bromodichloromethane	75.7 (79-128)	76.9 (79-128)		
	Chlorobenzene	80.7 (88-120)	82.9 (88-120)		
	Chloroethane	64.9 (65-136)	-		
	Chloromethane	42.3 (43-155)	42.5 (43-155)		
	cis-1,2-Dichloroethene	82.8 (83-129)	-		
	cis-1,3-Dichloropropene	72.1 (80-131)	73.8 (80-131)		
	Dichlorodifluoromethane	32.2 (44-144)	32.4 (44-144)		
	Ethylbenzene	75.9 (80-131)	79.2 (80-131)		
	n-Butylbenzene	78.5 (79-132)	-		
	n-Propylbenzene	73.8 (78-133)	76.2 (78-133)		
	o-Xylene	73.6 (78-130)	76.6 (78-130)		
	m,p-Xylene	76.0 (77-133)	-		
	Tetrachloroethene	67.7 (82-131)	70.0 (82-131)		
	Toluene	76.6 (80-127)	79.5 (80-127)		
	trans-1,3-Dichloropropene	68.4 (78-131)	68.5 (78-131)		
	Trichloroethene	80.2 (82-128)	-		

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples KC-MW-01 1020 and KC-FD-01 1020 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	KC-MW-01 1020	KC-FD-01 1020	
1,1-Dichloroethene	200	120	50
cis-1,2-Dichloroethene	40000	1000	490
trans-1,2-Dichloroethene	1400	740	62
Trichloroethene	37000	0.20U	Not calculable
Vinyl chloride	6800	800	158
1,1,2-Trichloroethane	40U	0.33	Not calculable
1,1-Dichloroethane	40U	18	Not calculable
Benzene	40U	0.83	Not calculable
Carbon disulfide	40U	0.26	Not calculable
Tetrachloroethene	40U	0.22	Not calculable
Toluene	40U	1.1	Not calculable

XI. Internal Standards

Internal standards data were not reviewed for Level II validation.

XII. Compound Quantitation

All compound quantitations met validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
KC-FD-01 1020	1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Vinyl chloride	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects) J (all detects) J (all detects)	P

Raw data were not reviewed for Level II validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Level II validation.

XIV. System Performance

Raw data were not reviewed for Level II validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to LCS/LCSD %R and results exceeding the calibration range, data were qualified as estimated in six samples.

Due to trip blank contamination, data were qualified as not detected in two samples.

No results were rejected in this SDG.

Former Utility Platers/Kingston Diagnostics
Volatiles - Data Qualification Summary - SDG 20J1067

Sample	Compound	Flag	A or P	Reason
KC-MW-06 1020 KC-FD-01 1020 TRIP BLANK 1020	1,1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,2,3-Trichloropropane 1,2,4-Trimethylbenzene 1,2-Dichlorobenzene 1,3,5-Trimethylbenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzene Bromomethane Chlorobenzene Dichlorodifluoromethane Ethylbenzene Isopropylbenzene n-Butylbenzene n-Propylbenzene p-Isopropyltoluene sec-Butylbenzene tert-Butylbenzene Tetrachloroethene Toluene Trichloroethene Trichlorofluoromethane Vinyl chloride	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
KC-MW-01 1020 KC-MW-02 1020 KC-MW-05 1020	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,2,4-Trimethylbenzene 1,2-Dichloropropane 1,3,5-Trimethylbenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Bromodichloromethane Chlorobenzene Chloroethane Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylbenzene n-Butylbenzene n-Propylbenzene o-Xylene m,p-Xylene Tetrachloroethene Toluene trans-1,3-Dichloropropene Trichloroethene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
KC-FD-01 1020	1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Vinyl chloride	J (all detects) J (all detects) J (all detects) J (all detects)	P	Compound quantitation (exceeded range)

Former Utility Platers/Kingston Diagnostics
Volatiles - Laboratory Blank Data Qualification Summary - SDG 20J1067

No Sample Data Qualified in this SDG

Former Utility Platers/Kingston Diagnostics
Volatiles - Field Blank Data Qualification Summary - SDG 20J1067

Sample	Compound	Modified Final Concentration	A or P
KC-MW-02 1020	cis-1,2-Dichloroethene Trichloroethene Vinyl chloride	1.4U ug/L 1.2U ug/L 0.50U ug/L	A
KC-MW-06 1020	trans-1,2-Dichloroethene Vinyl chloride	0.50U ug/L 0.50U ug/L	A

LDC #: 50033A1a

VALIDATION COMPLETENESS WORKSHEET

SDG #: 20J1067

Category B

Laboratory: York Analytical Laboratories, Inc.

Date: 1/6/21

Page: 1 of 1

Reviewer: FJ

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	N	
III.	Initial calibration/ICV	N / N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	TB = 6
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	SW	LCSD
X.	Field duplicates	SW	D = 1, 5
XI.	Internal standards	N	
XII.	Compound quantitation RL/LOQ/LODs	A	Results < RL > MDL = Det
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	SW A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	KC-MW-01 1020 D S = 1000x all others = 200x	20J1067-01	Water	10/22/20
2	KC-MW-02 1020	20J1067-02	Water	10/22/20
3	KC-MW-05 1020 all = 10x	20J1067-03	Water	10/22/20
4	KC-MW-06 1020	20J1067-04	Water	10/22/20
5	KC-FD-01 1020 D	20J1067-05	Water	10/22/20
6	TRIP BLANK 1020	20J1067-06	Water	10/22/20
7				
8				
9				

Notes:

1	BJA486				
2	BJO1485				

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 50033A1a**VALIDATION FINDINGS WORKSHEET**
BlanksPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.Blank analysis date: 10/27/20Conc. units: ug/L

Associated Samples:

4-76 (ND)

Compound	Blank ID	Sample Identification							
	<u>BJ01485-BLK1</u>								
<u>HHHH</u>	<u>48</u>								
<u>ZZZ</u>	<u>0.73</u>								

Blank analysis date: 10/27/20Conc. units: ug/L

Associated Samples:

1-73 (ND)

Compound	Blank ID	Sample Identification							
	<u>BJ01488-BLK1</u>								
<u>E</u>	<u>1.2</u>								

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 50033A1a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1
Reviewer: FTMETHOD: GC/MS VOA (EPA SW 846 Method 8260 C)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/LSampling date: 10/22/20Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB Associated Samples: 1-7 5

Compound	Blank ID	Sample Identification							
	<u>6</u>		<u>2</u>	<u>3</u>	<u>4</u>				
<u>oaa</u>	<u>4.0</u>		<u>1.4U</u>	<u>1.4U</u>					
<u>PPP</u>	<u>0.22</u>		<u>-</u>		<u>0.23</u> <u>0.50U</u>				
<u>S</u>	<u>4.3</u>		<u>1.2U</u>		<u>-</u>				
<u>C</u>	<u>0.58</u>		<u>0.32</u> <u>0.50U</u>		<u>0.22</u> <u>0.50U</u>				

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 50033A/a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: 1 of 1

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a LCS required?

Y	N	N/A	Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

[illegible]



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Associated samples #4 → 6

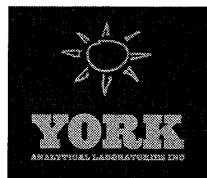
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01485 - EPA 5030B

LCS (BJ01485-BS1)

Prepared & Analyzed: 10/27/2020

1,1,1,2-Tetrachloroethane	8.4		ug/L	10.0		84.0	82-126				
1,1,1-Trichloroethane	8.7		"	10.0		86.7	78-136				
1,1,2,2-Tetrachloroethane	8.2		"	10.0		81.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.4		"	10.0		84.0	54-165				
1,1,2-Trichloroethane	8.6		"	10.0		85.5	82-123				
1,1-Dichloroethane	8.7		"	10.0		86.7	82-129				
1,1-Dichloroethylene	8.6		"	10.0		85.7	68-138				
1,2,3-Trichlorobenzene	7.9		"	10.0		79.4	40-130				
1,2,3-Trichloropropane	8.1		"	10.0		80.9	77-128				
1,2,4-Trichlorobenzene	8.0		"	10.0		80.4	65-137				
1,2,4-Trimethylbenzene	7.8		"	10.0	DDD	78.4	82-132	Low Bias			
1,2-Dibromo-3-chloropropane	8.3		"	10.0		83.3	45-147				
1,2-Dibromoethane	9.0		"	10.0		89.7	83-124				
1,2-Dichlorobenzene	7.6		"	10.0	JJJ	76.3	79-123	Low Bias			
1,2-Dichloroethane	9.2		"	10.0		92.1	73-132				
1,2-Dichloropropane	8.4		"	10.0		83.7	78-126				
1,3,5-Trimethylbenzene	8.0		"	10.0	AAA	79.7	80-131	Low Bias			
1,3-Dichlorobenzene	7.5		"	10.0	FFF	75.0	86-130	Low Bias			
1,4-Dichlorobenzene	7.5		"	10.0	HHH	75.0	85-130	Low Bias			
1,4-Dioxane	310		"	210		146	10-349				
2-Butanone	9.3		"	10.0		93.0	49-152				
2-Hexanone	10		"	10.0		102	51-146				
4-Methyl-2-pentanone	11		"	10.0		106	57-145				
Acetone	9.8		"	10.0		97.5	14-150				
Acrolein	6.9		"	10.0		69.3	10-153				
Acrylonitrile	9.9		"	10.0		98.9	51-150				
Benzene	8.8		"	10.0		88.4	85-126				
Bromochloromethane	9.2		"	10.0		92.1	77-128				
Bromodichloromethane	8.7		"	10.0		86.8	79-128				
Bromoform	8.9		"	10.0		89.1	78-133				
Bromomethane	4.3		"	10.0	B	42.9	43-168	Low Bias			
Carbon disulfide	8.2		"	10.0		82.0	68-146				
Carbon tetrachloride	8.4		"	10.0		83.5	77-141				
Chlorobenzene	8.3		"	10.0	DD	83.4	88-120	Low Bias			
Chloroethane	7.1		"	10.0		70.7	65-136				
Chloroform	8.8		"	10.0		87.6	82-128				
Chloromethane	4.9		"	10.0		49.0	43-155				
cis-1,2-Dichloroethylene	9.0		"	10.0		90.2	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		88.6	80-131				
Cyclohexane	8.5		"	10.0		85.2	63-149				
Dibromochloromethane	9.2		"	10.0		91.7	80-130				
Dibromomethane	8.4		"	10.0		83.5	72-134				
Dichlorodifluoromethane	2.8		"	10.0	JJ	28.0	44-144	Low Bias			
Ethyl Benzene	8.6		"	10.0		86.0	80-131				
Hexachlorobutadiene	7.5		"	10.0		74.8	67-146				
Isopropylbenzene	7.5		"	10.0	VV	75.0	76-140	Low Bias			
Methyl acetate	9.6		"	10.0		95.5	51-139				
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		97.0	76-135				
Methylcyclohexane	8.5		"	10.0		85.2	72-143				
Methylene chloride	9.7		"	10.0		96.9	55-137				
n-Butylbenzene	8.0		"	10.0		79.7	79-132				

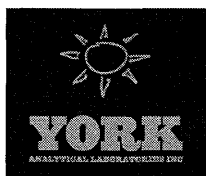


Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

4-76

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ01485 - EPA 5030B											
LCS (BJ01485-BS1)						Prepared & Analyzed: 10/27/2020					
n-Propylbenzene	7.8		ug/L	10.0		77.8	78-133	Low Bias			
o-Xylene	8.6		"	10.0		85.6	78-130				
p- & m- Xylenes	18		"	20.0		89.0	77-133				
p-Isopropyltoluene	8.2		"	10.0		81.8	81-136				
sec-Butylbenzene	8.5		"	10.0		85.2	79-137				
Styrene	8.7		"	10.0		87.4	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162				
tert-Butylbenzene	7.6		"	10.0	CCC	76.2	77-138	Low Bias			
Tetrachloroethylene	7.4		"	10.0	AAA	73.9	82-131	Low Bias			
Toluene	8.3		"	10.0		82.8	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		91.0	80-132				
trans-1,3-Dichloropropylene	8.9		"	10.0		89.3	78-131				
trans-1,4-dichloro-2-butene	8.4		"	10.0		83.5	63-141				
Trichloroethylene	8.0		"	10.0	S	80.0	82-128	Low Bias			
Trichlorofluoromethane	6.8		"	10.0		68.2	67-139				
Vinyl Chloride	5.8		"	10.0	C	57.8	58-145	Low Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	9.46		"	10.0		94.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.45		"	10.0		94.5	79-122				
LCS Dup (BJ01485-BSD1)						Prepared & Analyzed: 10/27/2020					
1,1,1,2-Tetrachloroethane	7.9		ug/L	10.0	UU	79.4	82-126	Low Bias	5.63	30	
1,1,1-Trichloroethane	8.2		"	10.0		81.8	78-136		5.82	30	
1,1,2,2-Tetrachloroethane	7.7		"	10.0		77.1	76-129		5.55	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.8		"	10.0		77.9	54-165		7.54	30	
1,1,2-Trichloroethane	8.0		"	10.0	U	80.5	82-123	Low Bias	6.02	30	
1,1-Dichloroethane	8.2		"	10.0		82.3	82-129		5.21	30	
1,1-Dichloroethylene	8.0		"	10.0		80.0	68-138		6.88	30	
1,2,3-Trichlorobenzene	7.4		"	10.0		73.8	40-130		7.31	30	
1,2,3-Trichloropropane	7.7		"	10.0	XX	76.9	77-128	Low Bias	5.07	30	
1,2,4-Trichlorobenzene	7.4		"	10.0		74.2	65-137		8.02	30	
1,2,4-Trimethylbenzene	7.4		"	10.0	DDD	73.6	82-132	Low Bias	6.32	30	
1,2-Dibromo-3-chloropropane	8.1		"	10.0		80.6	45-147		3.29	30	
1,2-Dibromoethane	8.3		"	10.0		83.2	83-124		7.52	30	
1,2-Dichlorobenzene	7.2		"	10.0	JJJ	72.4	79-123	Low Bias	5.25	30	
1,2-Dichloroethane	8.8		"	10.0		87.5	73-132		5.12	30	
1,2-Dichloropropane	7.9		"	10.0		79.0	78-126		5.78	30	
1,3,5-Trimethylbenzene	7.4		"	10.0	AAA	73.9	80-131	Low Bias	7.55	30	
1,3-Dichlorobenzene	7.0		"	10.0	FFF	69.6	86-130	Low Bias	7.47	30	
1,4-Dichlorobenzene	7.0		"	10.0	HHH	70.0	85-130	Low Bias	6.90	30	
1,4-Dioxane	230		"	210		111	10-349		27.2	30	
2-Butanone	9.6		"	10.0		95.5	49-152		2.65	30	
2-Hexanone	10		"	10.0		100	51-146		2.08	30	
4-Methyl-2-pentanone	10		"	10.0		101	57-145		4.44	30	
Acetone	9.6		"	10.0		96.4	14-150		1.13	30	
Acrolein	7.4		"	10.0		73.6	10-153		6.02	30	
Acrylonitrile	10		"	10.0		103	51-150		3.87	30	
Benzene	8.3		"	10.0	V	82.8	85-126	Low Bias	6.54	30	
Bromochloromethane	8.9		"	10.0		89.1	77-128		3.31	30	
Bromodichloromethane	8.1		"	10.0		80.6	79-128		7.41	30	
Bromoform	8.4		"	10.0		83.8	78-133		6.13	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

4-7-6

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ01485 - EPA 5030B											
LCS Dup (BJ01485-BSD1)						Prepared & Analyzed: 10/27/2020					
Bromomethane	3.9		ug/L	10.0	B	38.9	43-168	Low Bias	9.78	30	
Carbon disulfide	7.8		"	10.0		77.6	68-146		5.51	30	
Carbon tetrachloride	7.9		"	10.0		78.6	77-141		6.05	30	
Chlorobenzene	7.8		"	10.0	W	78.0	88-120	Low Bias	6.69	30	
Chloroethane	6.6		"	10.0		65.9	65-136		7.03	30	
Chloroform	8.3		"	10.0		83.0	82-128		5.39	30	
Chloromethane	4.6		"	10.0		45.7	43-155		6.97	30	
cis-1,2-Dichloroethylene	8.4		"	10.0		84.5	83-129		6.53	30	
cis-1,3-Dichloropropylene	8.3		"	10.0		83.3	80-131		6.17	30	
Cyclohexane	7.9		"	10.0		78.8	63-149		7.80	30	
Dibromochloromethane	8.4		"	10.0		83.7	80-130		9.12	30	
Dibromomethane	7.9		"	10.0		79.0	72-134		5.54	30	
Dichlorodifluoromethane	2.6		"	10.0	J	25.7	44-144	Low Bias	8.57	30	
Ethyl Benzene	8.0		"	10.0	EE	79.9	80-131	Low Bias	7.35	30	
Hexachlorobutadiene	6.7		"	10.0		67.4	67-146		10.4	30	
Isopropylbenzene	7.0		"	10.0	VV	70.3	76-140	Low Bias	6.47	30	
Methyl acetate	9.3		"	10.0		93.3	51-139		2.33	30	
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.8	76-135		4.43	30	
Methylcyclohexane	7.8		"	10.0		77.7	72-143		9.21	30	
Methylene chloride	9.2		"	10.0		91.6	55-137		5.62	30	
n-Butylbenzene	7.4		"	10.0	III	74.2	79-132	Low Bias	7.15	30	
n-Propylbenzene	7.3		"	10.0	YY	72.6	78-133	Low Bias	6.91	30	
o-Xylene	7.8		"	10.0		78.4	78-130		8.78	30	
p- & m- Xylenes	16		"	20.0		82.2	77-133		8.06	30	
p-Isopropyltoluene	7.6		"	10.0	GGG	76.2	81-136	Low Bias	7.09	30	
sec-Butylbenzene	7.9		"	10.0	EEE	78.9	79-137	Low Bias	7.68	30	
Styrene	8.2		"	10.0		81.7	67-132		6.74	30	
tert-Butyl alcohol (TBA)	56		"	50.0		113	25-162		0.0177	30	
tert-Butylbenzene	7.2		"	10.0	LLL	71.7	77-138	Low Bias	6.09	30	
Tetrachloroethylene	6.8		"	10.0	AA	67.6	82-131	Low Bias	8.90	30	
Toluene	7.7		"	10.0	CC	77.2	80-127	Low Bias	7.00	30	
trans-1,2-Dichloroethylene	8.7		"	10.0		86.8	80-132		4.72	30	
trans-1,3-Dichloropropylene	8.3		"	10.0		83.4	78-131		6.83	30	
trans-1,4-dichloro-2-butene	7.9		"	10.0		79.0	63-141		5.54	30	
Trichloroethylene	7.4		"	10.0	S	74.4	82-128	Low Bias	7.25	30	
Trichlorofluoromethane	6.2		"	10.0	KK	62.1	67-139	Low Bias	9.36	30	
Vinyl Chloride	5.3		"	10.0	C	52.7	58-145	Low Bias	9.23	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.45		"	10.0		94.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.53		"	10.0		95.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01488 - EPA 5030B

Blank (BJ01488-BLK1)

Prepared & Analyzed: 10/27/2020

n-Propylbenzene	ND	0.50	ug/L
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	1.0	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
trans-1,4-dichloro-2-butene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Associated samples
1 → 3

Surrogate: SURR: 1,2-Dichloroethane-d4

9.73

"

10.0

97.3

69-130

Surrogate: SURR: Toluene-d8

9.57

"

10.0

95.7

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.6

"

10.0

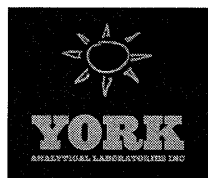
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79-122

LCS (BJ01488-BS1)

Prepared & Analyzed: 10/27/2020

1,1,1,2-Tetrachloroethane	8.5	ug/L	10.0	85.1	82-126	
1,1,1-Trichloroethane	1.5	"	10.0	15.3	78-136	Low Bias
1,1,2,2-Tetrachloroethane	7.4	"	10.0	73.5	76-129	Low Bias
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7	"	10.0	97.4	54-165	
1,1,2-Trichloroethane	8.1	"	10.0	81.1	82-123	Low Bias
1,1-Dichloroethane	8.1	"	10.0	80.8	82-129	Low Bias
1,1-Dichloroethylene	8.2	"	10.0	82.1	68-138	
1,2,3-Trichlorobenzene	8.4	"	10.0	84.0	40-130	
1,2,3-Trichloropropane	8.1	"	10.0	80.8	77-128	
1,2,4-Trichlorobenzene	8.4	"	10.0	84.0	65-137	
1,2,4-Trimethylbenzene	7.8	"	10.0	78.3	82-132	Low Bias
1,2-Dibromo-3-chloropropane	7.1	"	10.0	71.2	45-147	
1,2-Dibromoethane	8.4	"	10.0	84.2	83-124	
1,2-Dichlorobenzene	8.4	"	10.0	83.6	79-123	
1,2-Dichloroethane	8.0	"	10.0	80.4	73-132	
1,2-Dichloropropane	6.8	"	10.0	67.6	78-126	Low Bias
1,3,5-Trimethylbenzene	7.8	"	10.0	78.0	80-131	Low Bias
1,3-Dichlorobenzene	8.0	"	10.0	79.9	86-130	Low Bias
1,4-Dichlorobenzene	8.1	"	10.0	80.8	85-130	Low Bias
1,4-Dioxane	160	"	210	77.6	10-349	
2-Butanone	8.2	"	10.0	82.4	49-152	
2-Hexanone	6.8	"	10.0	68.1	51-146	
4-Methyl-2-pentanone	7.0	"	10.0	70.3	57-145	
Acetone	6.3	"	10.0	63.1	14-150	
Acrolein	6.0	"	10.0	60.2	10-153	
Acrylonitrile	8.9	"	10.0	88.7	51-150	
Benzene	8.8	"	10.0	87.7	85-126	
Bromochloromethane	8.1	"	10.0	80.8	77-128	
Bromodichloromethane	7.6	"	10.0	75.7	79-128	Low Bias



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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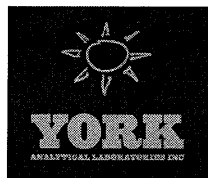
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BJ01488 - EPA 5030B

LCS (BJ01488-BS1)

Prepared & Analyzed: 10/27/2020

Bromoform	8.2		ug/L	10.0		82.3	78-133				
Bromomethane	4.9		"	10.0		48.8	43-168				
Carbon disulfide	8.3		"	10.0		83.0	68-146				
Carbon tetrachloride	9.6		"	10.0		96.5	77-141				
Chlorobenzene	8.1		"	10.0	DD	80.7	88-120	Low Bias			
Chloroethane	6.5		"	10.0	D	64.9	65-136	Low Bias			
Chloroform	9.0		"	10.0		90.1	82-128				
Chloromethane	4.2		"	10.0	A	42.3	43-155	Low Bias			
cis-1,2-Dichloroethylene	8.3		"	10.0	AAA	82.8	83-129	Low Bias			
cis-1,3-Dichloropropylene	7.2		"	10.0	R	72.1	80-131	Low Bias			
Cyclohexane	7.8		"	10.0		78.1	63-149				
Dibromochloromethane	8.8		"	10.0		88.2	80-130				
Dibromomethane	7.7		"	10.0		76.9	72-134				
Dichlorodifluoromethane	3.2		"	10.0	JJ	32.2	44-144	Low Bias			
Ethyl Benzene	7.6		"	10.0	EE	75.9	80-131	Low Bias			
Hexachlorobutadiene	8.8		"	10.0		87.5	67-146				
Isopropylbenzene	7.8		"	10.0		78.5	76-140				
Methyl acetate	7.7		"	10.0		76.9	51-139				
Methyl tert-butyl ether (MTBE)	8.4		"	10.0		84.4	76-135				
Methylcyclohexane	7.2		"	10.0		72.5	72-143				
Methylene chloride	9.3		"	10.0		92.6	55-137				
n-Butylbenzene	7.8		"	10.0	II	78.5	79-132	Low Bias			
n-Propylbenzene	7.4		"	10.0	YY	73.8	78-133	Low Bias			
o-Xylene	7.4		"	10.0	SSS	73.6	78-130	Low Bias			
p- & m- Xylenes	15		"	20.0	RRR	76.0	77-133	Low Bias			
p-Isopropyltoluene	8.3		"	10.0		82.8	81-136				
sec-Butylbenzene	8.3		"	10.0		82.6	79-137				
Styrene	7.9		"	10.0		79.4	67-132				
tert-Butyl alcohol (TBA)	48		"	50.0		96.7	25-162				
tert-Butylbenzene	7.9		"	10.0		79.0	77-138				
Tetrachloroethylene	6.8		"	10.0	AA	67.7	82-131	Low Bias			
Toluene	7.7		"	10.0	CC	76.6	80-127	Low Bias			
trans-1,2-Dichloroethylene	8.6		"	10.0		85.7	80-132				
trans-1,3-Dichloropropylene	6.8		"	10.0	W	68.4	78-131	Low Bias			
trans-1,4-dichloro-2-butene	6.5		"	10.0		65.3	63-141				
Trichloroethylene	8.0		"	10.0	S	80.2	82-128	Low Bias			
Trichlorofluoromethane	6.8		"	10.0		68.0	67-139				
Vinyl Chloride	5.8		"	10.0		58.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.45		"	10.0		94.5	69-130				
Surrogate: SURR: Toluene-d8	9.32		"	10.0		93.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.54		"	10.0		95.4	79-122				

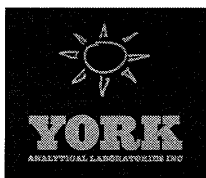


Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

1-3

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ01488 - EPA 5030B											
LCS Dup (BJ01488-BSD1)						Prepared & Analyzed: 10/27/2020					
1,1,1,2-Tetrachloroethane	8.7		ug/L	10.0		87.4	82-126		2.67	30	
1,1,1-Trichloroethane	1.6		"	10.0	N	15.7	78-136	Low Bias	2.58	30	
1,1,2,2-Tetrachloroethane	7.3		"	10.0	BB	73.3	76-129	Low Bias	0.272	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0	U	100	54-165		2.63	30	
1,1,2-Trichloroethane	8.1		"	10.0		80.7	82-123	Low Bias	0.494	30	
1,1-Dichloroethane	8.2		"	10.0		82.0	82-129		1.47	30	
1,1-Dichloroethylene	8.4		"	10.0		83.6	68-138		1.81	30	
1,2,3-Trichlorobenzene	9.1		"	10.0		90.8	40-130		7.78	30	
1,2,3-Trichloropropane	7.7		"	10.0		77.4	77-128		4.30	30	
1,2,4-Trichlorobenzene	8.9		"	10.0		88.6	65-137		5.33	30	
1,2,4-Trimethylbenzene	8.1		"	10.0	DD	80.6	82-132	Low Bias	2.89	30	
1,2-Dibromo-3-chloropropane	6.9		"	10.0		68.7	45-147		3.57	30	
1,2-Dibromoethane	8.6		"	10.0		85.7	83-124		1.77	30	
1,2-Dichlorobenzene	8.6		"	10.0		85.5	79-123		2.25	30	
1,2-Dichloroethane	8.0		"	10.0		79.8	73-132		0.749	30	
1,2-Dichloropropane	7.0		"	10.0	Q	69.9	78-126	Low Bias	3.35	30	
1,3,5-Trimethylbenzene	8.1		"	10.0		81.3	80-131		4.14	30	
1,3-Dichlorobenzene	8.2		"	10.0	FFF	81.8	86-130	Low Bias	2.35	30	
1,4-Dichlorobenzene	8.2		"	10.0	HHH	82.2	85-130	Low Bias	1.72	30	
1,4-Dioxane	140		"	210		65.9	10-349		16.4	30	
2-Butanone	8.4		"	10.0		83.5	49-152		1.33	30	
2-Hexanone	6.7		"	10.0		67.0	51-146		1.63	30	
4-Methyl-2-pentanone	7.0		"	10.0		70.0	57-145		0.428	30	
Acetone	5.8		"	10.0		58.2	14-150		8.08	30	
Acrolein	5.7		"	10.0		56.8	10-153		5.81	30	
Acrylonitrile	8.4		"	10.0		83.7	51-150		5.80	30	
Benzene	8.9		"	10.0		89.2	85-126		1.70	30	
Bromochloromethane	8.0		"	10.0		80.4	77-128		0.496	30	
Bromodichloromethane	7.7		"	10.0	P	76.9	79-128	Low Bias	1.57	30	
Bromoform	8.4		"	10.0		83.8	78-133		1.81	30	
Bromomethane	4.9		"	10.0		49.3	43-168		1.02	30	
Carbon disulfide	8.4		"	10.0		84.2	68-146		1.44	30	
Carbon tetrachloride	9.8		"	10.0		98.3	77-141		1.85	30	
Chlorobenzene	8.3		"	10.0	DD	82.9	88-120	Low Bias	2.69	30	
Chloroethane	6.9		"	10.0		68.6	65-136		5.54	30	
Chloroform	9.2		"	10.0		91.8	82-128		1.87	30	
Chloromethane	4.2		"	10.0	A	42.5	43-155	Low Bias	0.472	30	
cis-1,2-Dichloroethylene	8.3		"	10.0		83.4	83-129		0.722	30	
cis-1,3-Dichloropropylene	7.4		"	10.0	R	73.8	80-131	Low Bias	2.33	30	
Cyclohexane	8.0		"	10.0		79.5	63-149		1.78	30	
Dibromochloromethane	9.0		"	10.0		89.5	80-130		1.46	30	
Dibromomethane	7.7		"	10.0		76.7	72-134		0.260	30	
Dichlorodifluoromethane	3.2		"	10.0	JJ	32.4	44-144	Low Bias	0.619	30	
Ethyl Benzene	7.9		"	10.0	EE	79.2	80-131	Low Bias	4.26	30	
Hexachlorobutadiene	9.3		"	10.0		92.8	67-146		5.88	30	
Isopropylbenzene	8.0		"	10.0		80.1	76-140		2.02	30	
Methyl acetate	7.2		"	10.0		72.5	51-139		5.89	30	
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		85.2	76-135		0.943	30	
Methylcyclohexane	7.7		"	10.0		77.3	72-143		6.41	30	
Methylene chloride	9.3		"	10.0		93.3	55-137		0.753	30	
n-Butylbenzene	8.3		"	10.0		83.4	79-132		6.05	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BJ01488 - EPA 5030B

LCS Dup (BJ01488-BSD1)

Prepared & Analyzed: 10/27/2020

n-Propylbenzene	7.6		ug/L	10.0	YY	76.2	78-133		3.20	30	
o-Xylene	7.7		"	10.0	SS	76.6	78-130	Low Bias	3.99	30	
p- & m- Xylenes	16		"	20.0		79.0	77-133		3.93	30	
p-Isopropyltoluene	8.7		"	10.0		86.9	81-136		4.83	30	
sec-Butylbenzene	8.7		"	10.0		86.9	79-137		5.07	30	
Styrene	8.2		"	10.0		82.0	67-132		3.22	30	
tert-Butyl alcohol (TBA)	45		"	50.0		90.1	25-162		7.09	30	
tert-Butylbenzene	8.3		"	10.0		82.9	77-138		4.82	30	
Tetrachloroethylene	7.0		"	10.0	AA	70.0	82-131	Low Bias	3.34	30	
Toluene	8.0		"	10.0	CC	79.5	80-127	Low Bias	3.72	30	
trans-1,2-Dichloroethylene	8.7		"	10.0		86.7	80-132		1.16	30	
trans-1,3-Dichloropropylene	6.8		"	10.0	W	68.5	78-131	Low Bias	0.146	30	
trans-1,4-dichloro-2-butene	6.6		"	10.0		65.6	63-141		0.458	30	
Trichloroethylene	8.3		"	10.0		82.9	82-128		3.31	30	
Trichlorofluoromethane	7.3		"	10.0		73.1	67-139		7.23	30	
Vinyl Chloride	6.1		"	10.0		61.0	58-145		4.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.24		"	10.0		92.4	69-130				
Surrogate: SURR: Toluene-d8	9.35		"	10.0		93.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.50		"	10.0		95.0	79-122				

LDC #: 50033A1a

VALIDATION FINDINGS WORKSHEET **Field Duplicates**

Page: 1 of 1Reviewer: FT

2nd reviewer: _____

METHOD: GC/MS VOA (EPA Method 8260C)

Y N N/A
 Y N N/A

Were field duplicate pairs identified in this SDG?

Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤ %)	QUAL
	1	5		
H	200	120	50	
QQQ	40000	1000	190	
PPP	1400	740	62	
S	37000	0.500 0.200	NC	
C	6800	800	150	
Y	400	0.33	NC	
I	400	18		
V	400	0.83		
G	400	0.26		
AA	400	0.22		
CC	400	1.1		

Compound	Concentration ()		RPD (≤ %)	QUAL

LDC #: 5003A 1a

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and CRQLs

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y	N	N/A	Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

[illegible]

Comments: See sample calculation verification worksheet for recalculations

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Former Utility Platers/Kingston Diagnostics

LDC Report Date: January 11, 2021

Parameters: Metals

Validation Level: Level II

Laboratory: York Analytical Laboratories, Inc.

Sample Delivery Group (SDG): 20J1067

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
KC-MW-01 1020	20J1067-01	Water	10/22/20
KC-MW-02 1020	20J1067-02	Water	10/22/20
KC-MW-05 1020	20J1067-03	Water	10/22/20
KC-FD-01 1020	20J1067-05	Water	10/22/20
KC-MW-01 1020F	20J1067-01F	Water	10/22/20
KC-MW-01 1020FMS	20J1067-01FMS	Water	10/22/20
KC-MW-01 1020FDUP	20J1067-01FDUP	Water	10/22/20

Samples appended with "F" were analyzed for dissolved metals

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, and Zinc by Environmental Protection Agency (EPA) SW 846 Method 6010D

Mercury by EPA SW 846 Method 7473

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Instrument Calibration

Instrument calibration data were not reviewed for Level II validation.

III. ICP Interference Check Sample Analysis

ICP Interference check sample (ICS) analysis data were not reviewed for Level II validation.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Copper	0.053 mg/L	KC-MW-01 1020F

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
KC-MW-01 1020F	Copper	0.0046 mg/L	0.0046J mg/L

V. Field Blanks

No field blanks were identified in this SDG.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Serial Dilution

Serial dilution was not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
BJ01702-BS1	Copper	122 (80-120)	KC-MW-01 1020F	J (all detects)	P

X. Field Duplicates

Samples KC-MW-01 1020 and KC-FD-01 1020 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	KC-MW-01 1020	KC-FD-01 1020	
Arsenic	0.021	0.017U	Not calculable
Cadmium	0.008	0.013	48
Chromium	0.013	0.031	82
Copper	0.093	0.119	25
Lead	0.027	0.046	52
Nickel	0.383	0.417	8
Selenium	0.123	0.105	16
Zinc	0.087	0.162	60

XI. Sample Result Verification

Raw data were not reviewed for Level II validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the methods.

Due to LCS %R, data were qualified as estimated in one sample.

Due to laboratory blank contamination, data were qualified as estimated in one sample.

No results were rejected in this SDG.

**Former Utility Platers/Kingston Diagnostics
Metals - Data Qualification Summary - SDG 20J1067**

Sample	Analyte	Flag	A or P	Reason
KC-MW-01 1020F	Copper	J (all detects)	P	Laboratory control samples (%R)

**Former Utility Platers/Kingston Diagnostics
Metals - Laboratory Blank Data Qualification Summary - SDG 20J1067**

Sample	Analyte	Modified Final Concentration	A or P
KC-MW-01 1020F	Copper	0.0046J mg/L	A

**Former Utility Platers/Kingston Diagnostics
Metals - Field Blank Data Qualification Summary - SDG 20J1067**

No Sample Data Qualified in this SDG

LDC #: 50033A4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 20J1067

Category B

Laboratory: York Analytical Laboratories, Inc.

Level II

Date: 1/6/21

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Metals (EPA SW 846 Method 6010D/7473)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	A	
VII.	Duplicate sample analysis	A	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	SW	
X.	Field Duplicates	SW (1,4)	
XI.	Sample Result Verification	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

Samples appended with "F" were analyzed as dissolved

	Client ID	Lab ID	Matrix	Date
1	KC-MW-01 1020	20J1067-01	Water	10/22/20
2	KC-MW-02 1020	20J1067-02	Water	10/22/20
3	KC-MW-05 1020	20J1067-03	Water	10/22/20
4	KC-FD-01 1020	20J1067-05	Water	10/22/20
5	KC-MW-01 1020F	20J1067-01F	Water	10/22/20
6	KC-MW-01 1020FMS	20J1067-01FMS	Water	10/22/20
7	KC-MW-01 1020FDUP	20J1067-01FDUP	Water	10/22/20
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Sample Specific Element Reference

Reviewer:CR

All elements are applicable to each sample as noted below.

Sample ID	Target Analyte List
1 to 5	Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn, Hg
QC: 6, 7	Hg

Analysis Method

ICP	Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn
ICP-MS	
CVAA	Hg

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted:mg/L

Associated Samples:5

				Sample Identification								
Analyte	PB (mg/L)	Maximum ICB/CCB (units)	Action Level									
Cu	0.053		0.53	0.046J								

Comments: The listed analyte concentration is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

Laboratory Control Sample

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

A LCS was analyzed for each matrix at the required frequencies. All LCS percent recoveries (%R) were within the acceptable limits with the following exceptions:

[illegible]

Comments:

Field Duplicates

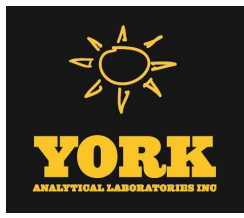
Method: Metals

Analyte	Concentration (mg/L)		RPD
	1	4	
Arsenic	0.021	0.017U	NC
Cadmium	0.008	0.013	48
Chromium	0.013	0.031	82
Copper	0.093	0.119	25
Lead	0.027	0.046	52
Nickel	0.383	0.417	8
Selenium	0.123	0.105	16
Zinc	0.087	0.162	60

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Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)

21 Fox Street

Poughkeepsie NY, 12601

Attention: Eric Orlowski

Report Date: 04/07/2021

Client Project ID: 41103.20 KINGSTON CVS - ANNUAL

York Project (SDG) No.: 21C1294

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 1205

PA Cert. No. 68-04440

Chazen Environmental Services (Poughkeepsie)

21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 26, 2021 and listed below. The project was identified as your project: **41103.20 KINGSTON CVS - ANNUAL**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21C1294-01	KC-MW-01 0321	Water	03/25/2021	03/26/2021
21C1294-02	KC-MW-02 0321	Water	03/25/2021	03/26/2021
21C1294-03	KC-MW-05 0321	Water	03/25/2021	03/26/2021
21C1294-04	KC-MW-07 0321	Water	03/25/2021	03/26/2021
21C1294-05	KC-MW-DUP 0321	Water	03/25/2021	03/26/2021
21C1294-06	TRIP BLANK 0321	Water	03/25/2021	03/26/2021

General Notes for York Project (SDG) No.: 21C1294

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 04/07/2021





Sample Information

Client Sample ID: KC-MW-01 0321

York Sample ID: 21C1294-01

York Project (SDG) No.

21C1294

Client Project ID

41103.20 KINGSTON CVS - ANNUAL

Matrix

Water

Collection Date/Time

March 25, 2021 3:00 pm

Date Received

03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOD	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	31		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	0.43	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	15		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	100		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-01 0321

York Sample ID: 21C1294-01

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 3:00 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	0.82		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	25000		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:24	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-01 0321

York Sample ID: 21C1294-01

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 3:00 pm

Date Received
03/26/2021

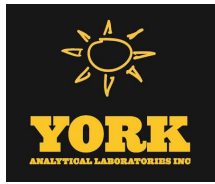
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methyleyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	1.2		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	770		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:24	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	23000		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:24	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	4500		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:24	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:02	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	90.3 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.8 %	79-122								



Sample Information

Client Sample ID: KC-MW-01 0321

York Sample ID: 21C1294-01

York Project (SDG) No.

21C1294

Client Project ID

41103.20 KINGSTON CVS - ANNUAL

Matrix

Water

Collection Date/Time

March 25, 2021 3:00 pm

Date Received

03/26/2021

Metals, Priority Pollutants Dissolved-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-50-8	Copper	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-02-0	Nickel	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM
7440-66-6	Zinc	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:32	WJM

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	03/30/2021 20:24	03/30/2021 20:24	AA

Sample Information

Client Sample ID: KC-MW-02 0321

York Sample ID: 21C1294-02

York Project (SDG) No.

21C1294

Client Project ID

41103.20 KINGSTON CVS - ANNUAL

Matrix

Water

Collection Date/Time

March 25, 2021 12:07 pm

Date Received

03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

120 RESEARCH DRIVE

STRATFORD, CT 06615

132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Page 7 of 112

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ClientServices@yorklab.com



Sample Information

Client Sample ID: KC-MW-02 0321

York Sample ID: 21C1294-02

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 12:07 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	0.56	Cal-E, J, B	ug/L	0.20	2.0	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	0.20	Cal-E, J	ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-02 0321

York Sample ID: 21C1294-02

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 12:07 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOB/MDI	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-02 0321

York Sample ID: 21C1294-02

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 12:07 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	0.21	J	ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	04/02/2021 06:47	04/02/2021 12:34	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	89.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.0 %	79-122								



Sample Information

Client Sample ID: KC-MW-02 0321

York Sample ID: 21C1294-02

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 12:07 pm

Date Received
03/26/2021

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-50-8	Copper	ND		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7439-92-1	Lead	0.012		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:26	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 20:22	03/30/2021 20:22	AA

Sample Information

Client Sample ID: KC-MW-05 0321

York Sample ID: 21C1294-03

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 11:05 am

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOO/MDL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: KC-MW-05 0321

York Sample ID: 21C1294-03

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 11:05 am

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	0.56		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	0.62		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-05 0321

York Sample ID: 21C1294-03

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 11:05 am

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	0.80		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	37		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-05 0321

York Sample ID: 21C1294-03

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 11:05 am

Date Received
03/26/2021

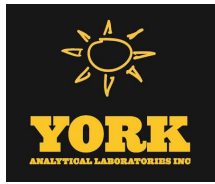
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	0.62		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-01-6	Trichloroethylene	71		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	0.28	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/30/2021 17:21	03/31/2021 00:54	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	89.8 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	98.5 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	79-122								



Sample Information

Client Sample ID: KC-MW-05 0321

York Sample ID: 21C1294-03

York Project (SDG) No.

21C1294

Client Project ID

41103.20 KINGSTON CVS - ANNUAL

Matrix

Water

Collection Date/Time

March 25, 2021 11:05 am

Date Received

03/26/2021

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-50-8	Copper	ND		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7439-92-1	Lead	0.007		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7782-49-2	* Selenium	0.070		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM
7440-66-6	Zinc	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:17	04/02/2021 13:29	WJM

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 20:22	03/30/2021 20:22	AA

Sample Information

Client Sample ID: KC-MW-07 0321

York Sample ID: 21C1294-04

York Project (SDG) No.

21C1294

Client Project ID

41103.20 KINGSTON CVS - ANNUAL

Matrix

Water

Collection Date/Time

March 25, 2021 1:59 pm

Date Received

03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOO/MDL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

120 RESEARCH DRIVE

STRATFORD, CT 06615

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RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: KC-MW-07 0321

York Sample ID: 21C1294-04

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 1:59 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
71-55-6	1,1,1-Trichloroethane	1.4		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
75-34-3	1,1-Dichloroethane	3.8		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											



Sample Information

Client Sample ID: KC-MW-07 0321

York Sample ID: 21C1294-04

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 1:59 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	1.8	J	ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
156-59-2	cis-1,2-Dichloroethylene	10		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
							Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP				



Sample Information

Client Sample ID: KC-MW-07 0321

York Sample ID: 21C1294-04

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 1:59 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methyleyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-01-6	Trichloroethylene	36		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	0.48	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:20	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.9 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.6 %	79-122								



Sample Information

Client Sample ID: KC-MW-DUP 0321

York Sample ID: 21C1294-05

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 3:00 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOB/MDI	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	0.29	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	16		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	100		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-DUP 0321

York Sample ID: 21C1294-05

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 3:00 pm

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	0.78		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	0.21	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	23000		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:50	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: KC-MW-DUP 0321

York Sample ID: 21C1294-05

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 3:00 pm

Date Received
03/26/2021

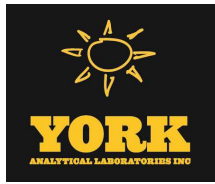
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	0.30	J	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	1.2		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	730		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:50	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	21000		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:50	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	4100		ug/L	40	100	200	EPA 8260C	04/01/2021 06:47	04/01/2021 13:50	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/30/2021 17:21	03/31/2021 01:46	MD
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	90.6 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.0 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	99.1 %	79-122								



Sample Information

Client Sample ID: KC-MW-DUP 0321

York Sample ID: 21C1294-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1294

41103.20 KINGSTON CVS - ANNUAL

Water

March 25, 2021 3:00 pm

03/26/2021

Metals, Priority Pollutants Dissolved-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-50-8	Copper	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-02-0	Nickel	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM
7440-66-6	Zinc	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/02/2021 09:12	04/02/2021 15:35	WJM

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	03/30/2021 20:24	03/30/2021 20:24	AA

Sample Information

Client Sample ID: TRIP BLANK 0321

York Sample ID: 21C1294-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1294

41103.20 KINGSTON CVS - ANNUAL

Water

March 25, 2021 9:00 am

03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOO/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: TRIP BLANK 0321

York Sample ID: 21C1294-06

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 9:00 am

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOO	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	1.5	Cal-E, CCV-E, B	ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: TRIP BLANK 0321

York Sample ID: 21C1294-06

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 9:00 am

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	3.6		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: TRIP BLANK 0321

York Sample ID: 21C1294-06

York Project (SDG) No.
21C1294

Client Project ID
41103.20 KINGSTON CVS - ANNUAL

Matrix
Water

Collection Date/Time
March 25, 2021 9:00 am

Date Received
03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/30/2021 17:21	03/30/2021 23:36	MD
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.3 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.3 %	81-117								



Sample Information

Client Sample ID: TRIP BLANK 0321

York Sample ID: 21C1294-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1294

41103.20 KINGSTON CVS - ANNUAL

Water

March 25, 2021 9:00 am

03/26/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analzyed	Analyst
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.0 %			79-122						



CASE NARRATIVE

York Project/SDG No.: 21C1294

Client: Chazen Environmental Services (Poughkeepsie)

Client Project ID: 41103.20 KINGSTON CVS - ANNUAL

Prepared for: Eric Orlowski

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **03/26/2021 14:55** as detailed on the chain-of-custody form.

The 6 sample(s) were received intact in a custody-sealed cooler(s), unless otherwise noted.

Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable ($\leq 6^{\circ}\text{C}$) and documented as:

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	1.1

Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Client Sample Information and Non-Conformances

<u>Laboratory ID</u>	<u>Sample Name</u>	<u>Matrix</u>
21C1294-01	KC-MW-01 0321	Water
21C1294-02	KC-MW-02 0321	Water
21C1294-03	KC-MW-05 0321	Water
21C1294-04	KC-MW-07 0321	Water
21C1294-05	KC-MW-DUP 0321	Water
21C1294-06	TRIP BLANK 0321	Water

Any additional Client Sample Non-conformances are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

QC Sample Non-Conformances

Any QC sample Non-conformances (SCV, CCV, BS, BSD, SRM, PS, MS, MSD, DUP) are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.



York Project/SDG no.: 21C1294 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report and any electronic data deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: Ben Gulizia
Laboratory Director

Date: 4/7/21

York Analytical Laboratories, Inc.
Formulae Used for Sample Calculations

1. **Volatile Organics** (Water-ug/L or Soil-ug/Kg)

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\% \text{ solids})}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\% \text{ solids})}$$

2. **Semi-Volatiles** (Water-ug/L or Soil-ug/Kg)

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(\text{Volume injected, uL})(V)(\% \text{ solids})}$$

3. **Pesticides/PCB, DRO, EPH, CTETPH** (Water-ug/L or Soil-ug/Kg)

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(\text{Volume injected, uL})(V)(\% \text{ solids})}$$

4. **Inorganics** (Water or Soil-ug/mL)

$$Cx = \frac{(\text{Conc.})(VE)}{(V)(\% \text{ solids}/100)}$$

WHERE:

Cx = concentration of analyte as ug/L or ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts

Ais = Area of the characteristic ion for the specific internal standard, counts

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration

DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1

V = Volume for liquids in mL, weight for soils/solids in grams



VA = volume of MeOH aliquot for medium level soils

VE = final volume of concentrated extract or digestate

VT = volume of MeOH for volatiles medium level soils

CF = calibration factor for external calibration used in GC pest/pcb

Cis = Concentration of the internal standard spiking mixture, ppbv



Case Narrative Non-Conformance Summary

Laboratory: York Analytical Laboratories, Inc.

Client:

Project:

Lab Project No:

Laboratory Sample ID(s) -01 - -06

Sampling Date(s):

03/25/2021 - 03/25/2021

Review Date(s): -

Laboratory Reviewer(s):

QC Sample Nonconformances

Batch ID: BC11818 **Affected Samples:** See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BC11818-BS1	Dichlorodifluoromethane - 75-71-8	17 ug/L	LCS	166	44-144	High Bias				
BC11818-BSD1	Dichlorodifluoromethane - 75-71-8	15 ug/L	LCS Dup	152	44-144	High Bias	8.62	30		

Batch ID: BD10031 **Affected Samples:** See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BD10031-BS1	Dichlorodifluoromethane - 75-71-8	19 ug/L	LCS	191	44-144	High Bias				
BD10031-BSD1	Dichlorodifluoromethane - 75-71-8	18 ug/L	LCS Dup	184	44-144	High Bias	3.74	30		
BD10031-BSD1	tert-Butyl alcohol (TBA) - 75-65-0	37 ug/L	LCS Dup	74.8	25-162		42.0	30	Non-dir.	

Batch ID: BD10104 **Affected Samples:** See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BD10104-BLK1	2-Butanone - 78-93-3	0.51 ug/L	Blank		-					
BD10104-BS1	Dichlorodifluoromethane - 75-71-8	17 ug/L	LCS	166	44-144	High Bias				
BD10104-BSD1	1,4-Dioxane - 123-91-1	150 ug/L	LCS Dup	73.7	10-349		32.2	30	Non-dir.	
BD10104-BSD1	Dichlorodifluoromethane - 75-71-8	16 ug/L	LCS Dup	155	44-144	High Bias	6.78	30		

Batch ID: Y1A0406 **Affected Samples:** See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1A0406-SCV1	Dichlorodifluoromethane - 75-71-8	18.7 ug/L	Secondary Cal Check	187	70-130	High Bias				



Batch ID: Y1D0221

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0221-CCV1	1,2-Dibromo-3-chloroprop ane - 96-12-8	7.51 ug/L	Calibration Check	75.1	80-120	Low Bias				
Y1D0221-CCV1	1,4-Dioxane - 123-91-1	118 ug/L	Calibration Check	59.1	80-120	Low Bias				
Y1D0221-CCV1	2-Butanone - 78-93-3	7.55 ug/L	Calibration Check	75.5	80-120	Low Bias				
Y1D0221-CCV1	2-Hexanone - 591-78-6	6.89 ug/L	Calibration Check	68.9	80-120	Low Bias				
Y1D0221-CCV1	4-Methyl-2-pentanone - 108-10-1	7.04 ug/L	Calibration Check	70.4	80-120	Low Bias				
Y1D0221-CCV1	Bromomethane - 74-83-9	4.36 ug/L	Calibration Check	43.6	80-120	Low Bias				
Y1D0221-CCV1	cis-1,3-Dichloropropylene - 10061-01-5	7.81 ug/L	Calibration Check	78.1	80-120	Low Bias				
Y1D0221-CCV1	Dichlorodifluoromethane - 75-71-8	17.0 ug/L	Calibration Check	170	80-120	High Bias				
Y1D0221-CCV1	Methyl acetate - 79-20-9	7.84 ug/L	Calibration Check	78.4	80-120	Low Bias				
Y1D0221-CCV1	trans-1,3-Dichloropropyle ne - 10061-02-6	7.47 ug/L	Calibration Check	74.7	80-120	Low Bias				
Y1D0221-CCV1	trans-1,4-dichloro-2-buten e - 110-57-6	7.25 ug/L	Calibration Check	72.5	80-120	Low Bias				
Y1D0221-CCV1	Trichlorofluoromethane - 75-69-4	12.1 ug/L	Calibration Check	121	80-120	High Bias				

Batch ID: Y1D0222

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0222-CCV1	1,2-Dibromo-3-chloroprop ane - 96-12-8	7.93 ug/L	Calibration Check	79.3	80-120	Low Bias				
Y1D0222-CCV1	1,4-Dioxane - 123-91-1	121 ug/L	Calibration Check	60.7	80-120	Low Bias				
Y1D0222-CCV1	2-Hexanone - 591-78-6	7.39 ug/L	Calibration Check	73.9	80-120	Low Bias				
Y1D0222-CCV1	4-Methyl-2-pentanone - 108-10-1	7.79 ug/L	Calibration Check	77.9	80-120	Low Bias				
Y1D0222-CCV1	Bromomethane - 74-83-9	6.56 ug/L	Calibration Check	65.6	80-120	Low Bias				
Y1D0222-CCV1	Dichlorodifluoromethane - 75-71-8	16.3 ug/L	Calibration Check	163	80-120	High Bias				
Y1D0222-CCV1	trans-1,4-dichloro-2-buten e - 110-57-6	7.97 ug/L	Calibration Check	79.7	80-120	Low Bias				

Batch ID: Y1D0224

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0224-CCV1	1,4-Dioxane - 123-91-1	158 ug/L	Calibration Check	79.0	80-120	Low Bias				
Y1D0224-CCV1	Acrolein - 107-02-8	12.6 ug/L	Calibration Check	126	80-120	High Bias				
Y1D0224-CCV1	Bromomethane - 74-83-9	3.41 ug/L	Calibration Check	34.1	80-120	Low Bias				
Y1D0224-CCV1	Dichlorodifluoromethane - 75-71-8	13.9 ug/L	Calibration Check	139	80-120	High Bias				



Batch ID: BC11818 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID Client Sample ID

21C1294-01	KC-MW-01 0321
21C1294-03	KC-MW-05 0321
21C1294-04	KC-MW-07 0321
21C1294-05	KC-MW-DUP 0321
21C1294-06	TRIP BLANK 0321
BC11818-BLK1	Blank
BC11818-BS1	LCS
BC11818-BSD1	LCS Dup

Batch ID: BD10031 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID Client Sample ID

21C1294-01RE1	KC-MW-01 0321
21C1294-05RE1	KC-MW-DUP 0321
BD10031-BLK1	Blank
BD10031-BS1	LCS
BD10031-BSD1	LCS Dup

Batch ID: BD10104 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID Client Sample ID

21C1294-02	KC-MW-02 0321
BD10104-BLK1	Blank
BD10104-BS1	LCS
BD10104-BSD1	LCS Dup

No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions: LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate



Case Narrative Non-Conformance Summary

Laboratory: York Analytical Laboratories, Inc.

Project:

Laboratory Sample ID(s) -01 - -05

Review Date(s): -

Client:

Lab Project No:

Sampling Date(s): 03/25/2021 - 03/25/2021

Laboratory Reviewer(s):

QC Sample Nonconformances

Batch ID: Y1D0219 Affected Samples: See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0219-CCV1	Antimony - 7440-36-0	0.221 ug/mL	Calibration Check	88.4	90-110	Low Bias				
Y1D0219-CCV8	Antimony - 7440-36-0	0.205 ug/mL	Calibration Check	82.1	90-110	Low Bias				
Y1D0219-CCV8	Thallium - 7440-28-0	0.435 ug/mL	Calibration Check	87.0	90-110	Low Bias				
Y1D0219-CCV9	Antimony - 7440-36-0	0.198 ug/mL	Calibration Check	79.1	90-110	Low Bias				
Y1D0219-CCV9	Thallium - 7440-28-0	0.447 ug/mL	Calibration Check	89.5	90-110	Low Bias				
Y1D0219-CCVA	Antimony - 7440-36-0	0.197 ug/mL	Calibration Check	78.7	90-110	Low Bias				
Y1D0219-CCVA	Thallium - 7440-28-0	0.417 ug/mL	Calibration Check	83.3	90-110	Low Bias				
Y1D0219-CCVA	Zinc - 7440-66-6	2.21 ug/mL	Calibration Check	88.3	90-110	Low Bias				
Y1D0219-CCVB	Antimony - 7440-36-0	0.189 ug/mL	Calibration Check	75.7	90-110	Low Bias				
Y1D0219-CCVB	Arsenic - 7440-38-2	0.448 ug/mL	Calibration Check	89.6	90-110	Low Bias				
Y1D0219-CCVB	Selenium - 7782-49-2	0.441 ug/mL	Calibration Check	88.1	90-110	Low Bias				
Y1D0219-CCVB	Thallium - 7440-28-0	0.415 ug/mL	Calibration Check	83.0	90-110	Low Bias				
Y1D0219-CCVB	Zinc - 7440-66-6	2.18 ug/mL	Calibration Check	87.1	90-110	Low Bias				
Y1D0219-CRL1	Beryllium - 7440-41-7	0.0007 ug/mL	Instrument RL Check	148	70-130	High Bias				
Y1D0219-CRL2	Selenium - 7782-49-2	0.017 ug/mL	Instrument RL Check	139	70-130	High Bias				
Y1D0219-CRL2	Zinc - 7440-66-6	0.017 ug/mL	Instrument RL Check	134	70-130	High Bias				

Batch ID: Y1D0602 Affected Samples: See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0602-CCV1	Antimony - 7440-36-0	0.225 ug/mL	Calibration Check	89.9	90-110	Low Bias				
Y1D0602-CCV5	Antimony - 7440-36-0	0.216 ug/mL	Calibration Check	86.6	90-110	Low Bias				
Y1D0602-CCV6	Antimony - 7440-36-0	0.217 ug/mL	Calibration Check	87.0	90-110	Low Bias				
Y1D0602-CRL1	Lead - 7439-92-1	0.003 ug/mL	Instrument RL Check	64.1	70-130	Low Bias				
Y1D0602-CRL2	Antimony - 7440-36-0	0.017 ug/mL	Instrument RL Check	138	70-130	High Bias				
Y1D0602-CRL2	Lead - 7439-92-1	0.001 ug/mL	Instrument RL Check	42.8	70-130	Low Bias				
Y1D0602-CRL2	Thallium - 7440-28-0	0.022 ug/mL	Instrument RL Check	175	70-130	High Bias				
Y1D0602-ICV1	Antimony - 7440-36-0	0.291 ug/mL	Initial Cal Check	117	90-110	High Bias				
Y1D0602-ICV1	Selenium - 7782-49-2	0.278 ug/mL	Initial Cal Check	111	90-110	High Bias				



Batch ID: BD10096

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BD10096-BS1	Antimony - 7440-36-0	0.246 ug/L	LCS	0.0982	80-120	Low Bias				
BD10096-BS1	Arsenic - 7440-38-2	1.70 ug/L	LCS	0.0851	80-120	Low Bias				
BD10096-BS1	Beryllium - 7440-41-7	0.046 ug/L	LCS	0.0917	80-120	Low Bias				
BD10096-BS1	Cadmium - 7440-43-9	0.046 ug/L	LCS	0.0910	80-120	Low Bias				
BD10096-BS1	Chromium - 7440-47-3	0.191 ug/L	LCS	0.0955	80-120	Low Bias				
BD10096-BS1	Copper - 7440-50-8	0.239 ug/L	LCS	0.0957	80-120	Low Bias				
BD10096-BS1	Lead - 7439-92-1	0.474 ug/L	LCS	0.0948	80-120	Low Bias				
BD10096-BS1	Nickel - 7440-02-0	0.465 ug/L	LCS	0.0929	80-120	Low Bias				
BD10096-BS1	Selenium - 7782-49-2	1.50 ug/L	LCS	0.0752	80-120	Low Bias				
BD10096-BS1	Silver - 7440-22-4	0.050 ug/L	LCS	0.101	80-120	Low Bias				
BD10096-BS1	Thallium - 7440-28-0	1.80 ug/L	LCS	0.0901	80-120	Low Bias				
BD10096-BS1	Zinc - 7440-66-6	0.431 ug/L	LCS	0.0863	80-120	Low Bias				
BD10096-MS1	Antimony - 7440-36-0	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Arsenic - 7440-38-2	2.07 ug/L	Matrix Spike (KC-MW-DUP 0321)	0.0934	75-125	Low Bias				
BD10096-MS1	Beryllium - 7440-41-7	<0.333 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Cadmium - 7440-43-9	<0.556 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Chromium - 7440-47-3	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Copper - 7440-50-8	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Lead - 7439-92-1	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Nickel - 7440-02-0	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Selenium - 7782-49-2	1.93 ug/L	Matrix Spike (KC-MW-DUP 0321)	0.0870	75-125	Low Bias				
BD10096-MS1	Silver - 7440-22-4	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Thallium - 7440-28-0	2.05 ug/L	Matrix Spike (KC-MW-DUP 0321)	0.0921	75-125	Low Bias				
BD10096-MS1	Zinc - 7440-66-6	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-PS1	Antimony - 7440-36-0	0.255 ug/L	Post Spike (KC-MW-DUP 0321)	0.102	75-125	Low Bias				
BD10096-PS1	Arsenic - 7440-38-2	1.84 ug/L	Post Spike (KC-MW-DUP 0321)	0.0921	75-125	Low Bias				



Batch ID: BD10096

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BD10096-PS1	Beryllium - 7440-41-7	0.047 ug/L	Post Spike (KC-MW-DUP 0321)	0.0935	75-125	Low Bias				
BD10096-PS1	Cadmium - 7440-43-9	0.071 ug/L	Post Spike (KC-MW-DUP 0321)	0.0894	75-125	Low Bias				
BD10096-PS1	Chromium - 7440-47-3	0.187 ug/L	Post Spike (KC-MW-DUP 0321)	0.0913	75-125	Low Bias				
BD10096-PS1	Copper - 7440-50-8	0.263 ug/L	Post Spike (KC-MW-DUP 0321)	0.103	75-125	Low Bias				
BD10096-PS1	Lead - 7439-92-1	0.471 ug/L	Post Spike (KC-MW-DUP 0321)	0.0941	75-125	Low Bias				
BD10096-PS1	Nickel - 7440-02-0	0.756 ug/L	Post Spike (KC-MW-DUP 0321)	0.0977	75-125	Low Bias				
BD10096-PS1	Silver - 7440-22-4	0.014 ug/L	Post Spike (KC-MW-DUP 0321)	0.0280	75-125	Low Bias				
BD10096-PS1	Thallium - 7440-28-0	1.81 ug/L	Post Spike (KC-MW-DUP 0321)	0.0907	75-125	Low Bias				
BD10096-PS1	Zinc - 7440-66-6	0.475 ug/L	Post Spike (KC-MW-DUP 0321)	0.0871	75-125	Low Bias				



Batch ID: Y1D0232

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0232-CCV1	Antimony - 7440-36-0	0.221 ug/L	Calibration Check	0.0884	90-110	Low Bias				
Y1D0232-CCV1	Arsenic - 7440-38-2	0.510 ug/L	Calibration Check	0.102	90-110	Low Bias				
Y1D0232-CCV1	Beryllium - 7440-41-7	0.251 ug/L	Calibration Check	0.100	90-110	Low Bias				
Y1D0232-CCV1	Cadmium - 7440-43-9	0.248 ug/L	Calibration Check	0.0993	90-110	Low Bias				
Y1D0232-CCV1	Chromium - 7440-47-3	0.979 ug/L	Calibration Check	0.0979	90-110	Low Bias				
Y1D0232-CCV1	Copper - 7440-50-8	1.23 ug/L	Calibration Check	0.0986	90-110	Low Bias				
Y1D0232-CCV1	Lead - 7439-92-1	0.502 ug/L	Calibration Check	0.100	90-110	Low Bias				
Y1D0232-CCV1	Nickel - 7440-02-0	2.45 ug/L	Calibration Check	0.0980	90-110	Low Bias				
Y1D0232-CCV1	Silver - 7440-22-4	1.22 ug/L	Calibration Check	0.0979	90-110	Low Bias				
Y1D0232-CCV1	Thallium - 7440-28-0	0.493 ug/L	Calibration Check	0.0987	90-110	Low Bias				
Y1D0232-CCV1	Zinc - 7440-66-6	2.48 ug/L	Calibration Check	0.0992	90-110	Low Bias				
Y1D0232-CCVC	Antimony - 7440-36-0	0.196 ug/L	Calibration Check	0.0783	90-110	Low Bias				
Y1D0232-CCVC	Arsenic - 7440-38-2	0.457 ug/L	Calibration Check	0.0913	90-110	Low Bias				
Y1D0232-CCVC	Beryllium - 7440-41-7	0.232 ug/L	Calibration Check	0.0930	90-110	Low Bias				
Y1D0232-CCVC	Cadmium - 7440-43-9	0.230 ug/L	Calibration Check	0.0921	90-110	Low Bias				
Y1D0232-CCVC	Chromium - 7440-47-3	0.935 ug/L	Calibration Check	0.0935	90-110	Low Bias				
Y1D0232-CCVC	Copper - 7440-50-8	1.21 ug/L	Calibration Check	0.0969	90-110	Low Bias				
Y1D0232-CCVC	Lead - 7439-92-1	0.462 ug/L	Calibration Check	0.0924	90-110	Low Bias				
Y1D0232-CCVC	Nickel - 7440-02-0	2.32 ug/L	Calibration Check	0.0929	90-110	Low Bias				
Y1D0232-CCVC	Silver - 7440-22-4	1.19 ug/L	Calibration Check	0.0950	90-110	Low Bias				
Y1D0232-CCVC	Thallium - 7440-28-0	0.426 ug/L	Calibration Check	0.0851	90-110	Low Bias				
Y1D0232-CCVC	Zinc - 7440-66-6	2.19 ug/L	Calibration Check	0.0875	90-110	Low Bias				
Y1D0232-CCVD	Antimony - 7440-36-0	0.195 ug/L	Calibration Check	0.0781	90-110	Low Bias				
Y1D0232-CCVD	Arsenic - 7440-38-2	0.450 ug/L	Calibration Check	0.0900	90-110	Low Bias				
Y1D0232-CCVD	Beryllium - 7440-41-7	0.233 ug/L	Calibration Check	0.0931	90-110	Low Bias				
Y1D0232-CCVD	Cadmium - 7440-43-9	0.229 ug/L	Calibration Check	0.0916	90-110	Low Bias				
Y1D0232-CCVD	Chromium - 7440-47-3	0.933 ug/L	Calibration Check	0.0933	90-110	Low Bias				
Y1D0232-CCVD	Copper - 7440-50-8	1.21 ug/L	Calibration Check	0.0971	90-110	Low Bias				
Y1D0232-CCVD	Lead - 7439-92-1	0.461 ug/L	Calibration Check	0.0922	90-110	Low Bias				
Y1D0232-CCVD	Nickel - 7440-02-0	2.32 ug/L	Calibration Check	0.0926	90-110	Low Bias				
Y1D0232-CCVD	Silver - 7440-22-4	1.19 ug/L	Calibration Check	0.0949	90-110	Low Bias				
Y1D0232-CCVD	Thallium - 7440-28-0	0.430 ug/L	Calibration Check	0.0861	90-110	Low Bias				
Y1D0232-CCVD	Zinc - 7440-66-6	2.17 ug/L	Calibration Check	0.0869	90-110	Low Bias				
Y1D0232-CRL1	Antimony - 7440-36-0	0.026 ug/L	Instrument RL Check	0.103	75-125	Low Bias				
Y1D0232-CRL1	Arsenic - 7440-38-2	0.015 ug/L	Instrument RL Check	0.100	75-125	Low Bias				
Y1D0232-CRL1	Beryllium - 7440-41-7	0.0007 ug/L	Instrument RL Check	0.148	75-125	Low Bias				
Y1D0232-CRL1	Cadmium - 7440-43-9	0.003 ug/L	Instrument RL Check	0.102	75-125	Low Bias				
Y1D0232-CRL1	Chromium - 7440-47-3	0.004 ug/L	Instrument RL Check	0.0890	75-125	Low Bias				
Y1D0232-CRL1	Copper - 7440-50-8	0.038 ug/L	Instrument RL Check	0.0944	75-125	Low Bias				
Y1D0232-CRL1	Lead - 7439-92-1	0.004 ug/L	Instrument RL Check	0.0792	75-125	Low Bias				
Y1D0232-CRL1	Nickel - 7440-02-0	0.010 ug/L	Instrument RL Check	0.101	75-125	Low Bias				
Y1D0232-CRL1	Silver - 7440-22-4	0.009 ug/L	Instrument RL Check	0.0909	75-125	Low Bias				
Y1D0232-CRL1	Thallium - 7440-28-0	0.031 ug/L	Instrument RL Check	0.123	75-125	Low Bias				
Y1D0232-CRL1	Zinc - 7440-66-6	0.028 ug/L	Instrument RL Check	0.114	75-125	Low Bias				



Batch ID: Y1D0232

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0232-CRL2	Antimony - 7440-36-0	0.010 ug/L	Instrument RL Check	0.0830	75-125	Low Bias				
Y1D0232-CRL2	Arsenic - 7440-38-2	0.007 ug/L	Instrument RL Check	0.0939	75-125	Low Bias				
Y1D0232-CRL2	Beryllium - 7440-41-7	0.0003 ug/L	Instrument RL Check	0.120	75-125	Low Bias				
Y1D0232-CRL2	Cadmium - 7440-43-9	0.002 ug/L	Instrument RL Check	0.107	75-125	Low Bias				
Y1D0232-CRL2	Chromium - 7440-47-3	0.002 ug/L	Instrument RL Check	0.0878	75-125	Low Bias				
Y1D0232-CRL2	Copper - 7440-50-8	0.021 ug/L	Instrument RL Check	0.103	75-125	Low Bias				
Y1D0232-CRL2	Lead - 7439-92-1	0.003 ug/L	Instrument RL Check	0.130	75-125	Low Bias				
Y1D0232-CRL2	Nickel - 7440-02-0	0.005 ug/L	Instrument RL Check	0.0905	75-125	Low Bias				
Y1D0232-CRL2	Silver - 7440-22-4	0.004 ug/L	Instrument RL Check	0.0824	75-125	Low Bias				
Y1D0232-CRL2	Thallium - 7440-28-0	0.013 ug/L	Instrument RL Check	0.106	75-125	Low Bias				
Y1D0232-CRL2	Zinc - 7440-66-6	0.017 ug/L	Instrument RL Check	0.134	75-125	Low Bias				
Y1D0232-ICV1	Antimony - 7440-36-0	0.255 ug/L	Initial Cal Check	0.102	90-110	Low Bias				
Y1D0232-ICV1	Arsenic - 7440-38-2	0.249 ug/L	Initial Cal Check	0.0997	90-110	Low Bias				
Y1D0232-ICV1	Beryllium - 7440-41-7	0.248 ug/L	Initial Cal Check	0.0990	90-110	Low Bias				
Y1D0232-ICV1	Cadmium - 7440-43-9	0.121 ug/L	Initial Cal Check	0.0970	90-110	Low Bias				
Y1D0232-ICV1	Chromium - 7440-47-3	0.954 ug/L	Initial Cal Check	0.0954	90-110	Low Bias				
Y1D0232-ICV1	Copper - 7440-50-8	1.21 ug/L	Initial Cal Check	0.0971	90-110	Low Bias				
Y1D0232-ICV1	Lead - 7439-92-1	0.252 ug/L	Initial Cal Check	0.101	90-110	Low Bias				
Y1D0232-ICV1	Nickel - 7440-02-0	2.36 ug/L	Initial Cal Check	0.0944	90-110	Low Bias				
Y1D0232-ICV1	Silver - 7440-22-4	1.19 ug/L	Initial Cal Check	0.0949	90-110	Low Bias				
Y1D0232-ICV1	Thallium - 7440-28-0	0.248 ug/L	Initial Cal Check	0.0991	90-110	Low Bias				
Y1D0232-ICV1	Zinc - 7440-66-6	2.38 ug/L	Initial Cal Check	0.0952	90-110	Low Bias				
Y1D0232-IFB1	Antimony - 7440-36-0	0.549 ug/L	Interference Check B	0.110	80-120	Low Bias				
Y1D0232-IFB1	Arsenic - 7440-38-2	0.525 ug/L	Interference Check B	0.105	80-120	Low Bias				
Y1D0232-IFB1	Beryllium - 7440-41-7	0.503 ug/L	Interference Check B	0.101	80-120	Low Bias				
Y1D0232-IFB1	Cadmium - 7440-43-9	0.951 ug/L	Interference Check B	0.0951	80-120	Low Bias				
Y1D0232-IFB1	Chromium - 7440-47-3	0.471 ug/L	Interference Check B	0.0942	80-120	Low Bias				
Y1D0232-IFB1	Copper - 7440-50-8	0.552 ug/L	Interference Check B	0.110	80-120	Low Bias				
Y1D0232-IFB1	Lead - 7439-92-1	1.02 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Nickel - 7440-02-0	1.02 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Silver - 7440-22-4	1.02 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Thallium - 7440-28-0	0.511 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Zinc - 7440-66-6	0.948 ug/L	Interference Check B	0.0948	80-120	Low Bias				



Batch ID: BD10096 **General** Metals by ICP/MS

YORK Sample ID	Client Sample ID
21C1294-01	KC-MW-01 0321
21C1294-05	KC-MW-DUP 0321
BD10096-BLK1	Blank
BD10096-BS1	LCS
BD10096-DUP1	Duplicate
BD10096-MS1	Matrix Spike
BD10096-PS1	Post Spike

No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions: LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate



QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
BD10031-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BC11818-BLK1	Volatile Organics, 8260 - Comprehensive	2-Butanone	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
BD10104-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BD10104-BSD1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BD10104-BSD1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BD10104-BSD1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
BD10104-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BD10104-BS1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BD10104-BS1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.



LabID	Analysis	Analyte	Qualifier	Definition
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	4-Methyl-2-pentanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BD10031-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dibromo-3-chloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BD10031-BSD1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BD10031-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BD10031-BS1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BD10031-BLK1	Volatile Organics, 8260 - Comprehensive	2-Butanone	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
BC11818-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BC11818-BSD1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.



LabID	Analysis	Analyte	Qualifier	Definition
BC11818-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BC11818-BS1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BD10104-BLK1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0224-CCV1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0224-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0224-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,4-dichloro-2-butene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).



LabID	Analysis	Analyte	Qualifier	Definition
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	4-Methyl-2-pentanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dibromo-3-chloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0224-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	Methyl acetate	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,4-dichloro-2-butene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).



LabID	Analysis	Analyte	Qualifier	Definition
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	cis-1,3-Dichloropropylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	2-Hexanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0221-CCV1	Volatile Organics, 8260 - Comprehensive	2-Butanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y1D0222-CCV1	Volatile Organics, 8260 - Comprehensive	2-Hexanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).



QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
Y1D0602-ICV1	Metals, Priority Pollutant	Selenium	M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
Y1D0602-ICV1	Metals, Priority Pollutant	Antimony	M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
Y1D0602-CRL2	Metals, Priority Pollutant	Lead	M-CRL	The RL check for this element recovered outside of control limits.
Y1D0602-CRL2	Metals, Priority Pollutant	Antimony	M-CRL	The RL check for this element recovered outside of control limits.
Y1D0602-CRL2	Metals, Priority Pollutant	Thallium	M-CRL	The RL check for this element recovered outside of control limits.
Y1D0602-CRL1	Metals, Priority Pollutant	Lead	M-CRL	The RL check for this element recovered outside of control limits.
Y1D0219-CRL2	Metals, Priority Pollutant	Selenium	M-CRL	The RL check for this element recovered outside of control limits.
Y1D0219-CRL1	Metals, Priority Pollutant	Beryllium	M-CRL	The RL check for this element recovered outside of control limits.
Y1D0219-CRL2	Metals, Priority Pollutant	Zinc	M-CRL	The RL check for this element recovered outside of control limits.



Case Narrative Non-Conformance Summary

Laboratory: York Analytical Laboratories, Inc.

Project:

Laboratory Sample ID(s) -01 - -05

Review Date(s): -

Client:

Lab Project No:

Sampling Date(s): 03/25/2021 - 03/25/2021

Laboratory Reviewer(s):

QC Sample Nonconformances

Batch ID: Y1D0219

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0219-CCV1	Antimony - 7440-36-0	0.221 ug/mL	Calibration Check	88.4	90-110	Low Bias				
Y1D0219-CCV8	Antimony - 7440-36-0	0.205 ug/mL	Calibration Check	82.1	90-110	Low Bias				
Y1D0219-CCV8	Thallium - 7440-28-0	0.435 ug/mL	Calibration Check	87.0	90-110	Low Bias				
Y1D0219-CCV9	Antimony - 7440-36-0	0.198 ug/mL	Calibration Check	79.1	90-110	Low Bias				
Y1D0219-CCV9	Thallium - 7440-28-0	0.447 ug/mL	Calibration Check	89.5	90-110	Low Bias				
Y1D0219-CCVA	Antimony - 7440-36-0	0.197 ug/mL	Calibration Check	78.7	90-110	Low Bias				
Y1D0219-CCVA	Thallium - 7440-28-0	0.417 ug/mL	Calibration Check	83.3	90-110	Low Bias				
Y1D0219-CCVA	Zinc - 7440-66-6	2.21 ug/mL	Calibration Check	88.3	90-110	Low Bias				
Y1D0219-CCVB	Antimony - 7440-36-0	0.189 ug/mL	Calibration Check	75.7	90-110	Low Bias				
Y1D0219-CCVB	Arsenic - 7440-38-2	0.448 ug/mL	Calibration Check	89.6	90-110	Low Bias				
Y1D0219-CCVB	Selenium - 7782-49-2	0.441 ug/mL	Calibration Check	88.1	90-110	Low Bias				
Y1D0219-CCVB	Thallium - 7440-28-0	0.415 ug/mL	Calibration Check	83.0	90-110	Low Bias				
Y1D0219-CCVB	Zinc - 7440-66-6	2.18 ug/mL	Calibration Check	87.1	90-110	Low Bias				
Y1D0219-CRL1	Beryllium - 7440-41-7	0.0007 ug/mL	Instrument RL Check	148	70-130	High Bias				
Y1D0219-CRL2	Selenium - 7782-49-2	0.017 ug/mL	Instrument RL Check	139	70-130	High Bias				
Y1D0219-CRL2	Zinc - 7440-66-6	0.017 ug/mL	Instrument RL Check	134	70-130	High Bias				

Batch ID: Y1D0602

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0602-CCV1	Antimony - 7440-36-0	0.225 ug/mL	Calibration Check	89.9	90-110	Low Bias				
Y1D0602-CCV5	Antimony - 7440-36-0	0.216 ug/mL	Calibration Check	86.6	90-110	Low Bias				
Y1D0602-CCV6	Antimony - 7440-36-0	0.217 ug/mL	Calibration Check	87.0	90-110	Low Bias				
Y1D0602-CRL1	Lead - 7439-92-1	0.003 ug/mL	Instrument RL Check	64.1	70-130	Low Bias				
Y1D0602-CRL2	Antimony - 7440-36-0	0.017 ug/mL	Instrument RL Check	138	70-130	High Bias				
Y1D0602-CRL2	Lead - 7439-92-1	0.001 ug/mL	Instrument RL Check	42.8	70-130	Low Bias				
Y1D0602-CRL2	Thallium - 7440-28-0	0.022 ug/mL	Instrument RL Check	175	70-130	High Bias				
Y1D0602-ICV1	Antimony - 7440-36-0	0.291 ug/mL	Initial Cal Check	117	90-110	High Bias				
Y1D0602-ICV1	Selenium - 7782-49-2	0.278 ug/mL	Initial Cal Check	111	90-110	High Bias				



Batch ID: BD10096

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BD10096-BS1	Antimony - 7440-36-0	0.246 ug/L	LCS	0.0982	80-120	Low Bias				
BD10096-BS1	Arsenic - 7440-38-2	1.70 ug/L	LCS	0.0851	80-120	Low Bias				
BD10096-BS1	Beryllium - 7440-41-7	0.046 ug/L	LCS	0.0917	80-120	Low Bias				
BD10096-BS1	Cadmium - 7440-43-9	0.046 ug/L	LCS	0.0910	80-120	Low Bias				
BD10096-BS1	Chromium - 7440-47-3	0.191 ug/L	LCS	0.0955	80-120	Low Bias				
BD10096-BS1	Copper - 7440-50-8	0.239 ug/L	LCS	0.0957	80-120	Low Bias				
BD10096-BS1	Lead - 7439-92-1	0.474 ug/L	LCS	0.0948	80-120	Low Bias				
BD10096-BS1	Nickel - 7440-02-0	0.465 ug/L	LCS	0.0929	80-120	Low Bias				
BD10096-BS1	Selenium - 7782-49-2	1.50 ug/L	LCS	0.0752	80-120	Low Bias				
BD10096-BS1	Silver - 7440-22-4	0.050 ug/L	LCS	0.101	80-120	Low Bias				
BD10096-BS1	Thallium - 7440-28-0	1.80 ug/L	LCS	0.0901	80-120	Low Bias				
BD10096-BS1	Zinc - 7440-66-6	0.431 ug/L	LCS	0.0863	80-120	Low Bias				
BD10096-MS1	Antimony - 7440-36-0	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Arsenic - 7440-38-2	2.07 ug/L	Matrix Spike (KC-MW-DUP 0321)	0.0934	75-125	Low Bias				
BD10096-MS1	Beryllium - 7440-41-7	<0.333 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Cadmium - 7440-43-9	<0.556 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Chromium - 7440-47-3	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Copper - 7440-50-8	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Lead - 7439-92-1	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Nickel - 7440-02-0	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Selenium - 7782-49-2	1.93 ug/L	Matrix Spike (KC-MW-DUP 0321)	0.0870	75-125	Low Bias				
BD10096-MS1	Silver - 7440-22-4	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-MS1	Thallium - 7440-28-0	2.05 ug/L	Matrix Spike (KC-MW-DUP 0321)	0.0921	75-125	Low Bias				
BD10096-MS1	Zinc - 7440-66-6	<1.11 ug/L	Matrix Spike (KC-MW-DUP 0321)	NR	75-125	Low Bias				
BD10096-PS1	Antimony - 7440-36-0	0.255 ug/L	Post Spike (KC-MW-DUP 0321)	0.102	75-125	Low Bias				
BD10096-PS1	Arsenic - 7440-38-2	1.84 ug/L	Post Spike (KC-MW-DUP 0321)	0.0921	75-125	Low Bias				



Batch ID: BD10096

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BD10096-PS1	Beryllium - 7440-41-7	0.047 ug/L	Post Spike (KC-MW-DUP 0321)	0.0935	75-125	Low Bias				
BD10096-PS1	Cadmium - 7440-43-9	0.071 ug/L	Post Spike (KC-MW-DUP 0321)	0.0894	75-125	Low Bias				
BD10096-PS1	Chromium - 7440-47-3	0.187 ug/L	Post Spike (KC-MW-DUP 0321)	0.0913	75-125	Low Bias				
BD10096-PS1	Copper - 7440-50-8	0.263 ug/L	Post Spike (KC-MW-DUP 0321)	0.103	75-125	Low Bias				
BD10096-PS1	Lead - 7439-92-1	0.471 ug/L	Post Spike (KC-MW-DUP 0321)	0.0941	75-125	Low Bias				
BD10096-PS1	Nickel - 7440-02-0	0.756 ug/L	Post Spike (KC-MW-DUP 0321)	0.0977	75-125	Low Bias				
BD10096-PS1	Silver - 7440-22-4	0.014 ug/L	Post Spike (KC-MW-DUP 0321)	0.0280	75-125	Low Bias				
BD10096-PS1	Thallium - 7440-28-0	1.81 ug/L	Post Spike (KC-MW-DUP 0321)	0.0907	75-125	Low Bias				
BD10096-PS1	Zinc - 7440-66-6	0.475 ug/L	Post Spike (KC-MW-DUP 0321)	0.0871	75-125	Low Bias				



Batch ID: Y1D0232

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0232-CCV1	Antimony - 7440-36-0	0.221 ug/L	Calibration Check	0.0884	90-110	Low Bias				
Y1D0232-CCV1	Arsenic - 7440-38-2	0.510 ug/L	Calibration Check	0.102	90-110	Low Bias				
Y1D0232-CCV1	Beryllium - 7440-41-7	0.251 ug/L	Calibration Check	0.100	90-110	Low Bias				
Y1D0232-CCV1	Cadmium - 7440-43-9	0.248 ug/L	Calibration Check	0.0993	90-110	Low Bias				
Y1D0232-CCV1	Chromium - 7440-47-3	0.979 ug/L	Calibration Check	0.0979	90-110	Low Bias				
Y1D0232-CCV1	Copper - 7440-50-8	1.23 ug/L	Calibration Check	0.0986	90-110	Low Bias				
Y1D0232-CCV1	Lead - 7439-92-1	0.502 ug/L	Calibration Check	0.100	90-110	Low Bias				
Y1D0232-CCV1	Nickel - 7440-02-0	2.45 ug/L	Calibration Check	0.0980	90-110	Low Bias				
Y1D0232-CCV1	Silver - 7440-22-4	1.22 ug/L	Calibration Check	0.0979	90-110	Low Bias				
Y1D0232-CCV1	Thallium - 7440-28-0	0.493 ug/L	Calibration Check	0.0987	90-110	Low Bias				
Y1D0232-CCV1	Zinc - 7440-66-6	2.48 ug/L	Calibration Check	0.0992	90-110	Low Bias				
Y1D0232-CCVC	Antimony - 7440-36-0	0.196 ug/L	Calibration Check	0.0783	90-110	Low Bias				
Y1D0232-CCVC	Arsenic - 7440-38-2	0.457 ug/L	Calibration Check	0.0913	90-110	Low Bias				
Y1D0232-CCVC	Beryllium - 7440-41-7	0.232 ug/L	Calibration Check	0.0930	90-110	Low Bias				
Y1D0232-CCVC	Cadmium - 7440-43-9	0.230 ug/L	Calibration Check	0.0921	90-110	Low Bias				
Y1D0232-CCVC	Chromium - 7440-47-3	0.935 ug/L	Calibration Check	0.0935	90-110	Low Bias				
Y1D0232-CCVC	Copper - 7440-50-8	1.21 ug/L	Calibration Check	0.0969	90-110	Low Bias				
Y1D0232-CCVC	Lead - 7439-92-1	0.462 ug/L	Calibration Check	0.0924	90-110	Low Bias				
Y1D0232-CCVC	Nickel - 7440-02-0	2.32 ug/L	Calibration Check	0.0929	90-110	Low Bias				
Y1D0232-CCVC	Silver - 7440-22-4	1.19 ug/L	Calibration Check	0.0950	90-110	Low Bias				
Y1D0232-CCVC	Thallium - 7440-28-0	0.426 ug/L	Calibration Check	0.0851	90-110	Low Bias				
Y1D0232-CCVC	Zinc - 7440-66-6	2.19 ug/L	Calibration Check	0.0875	90-110	Low Bias				
Y1D0232-CCVD	Antimony - 7440-36-0	0.195 ug/L	Calibration Check	0.0781	90-110	Low Bias				
Y1D0232-CCVD	Arsenic - 7440-38-2	0.450 ug/L	Calibration Check	0.0900	90-110	Low Bias				
Y1D0232-CCVD	Beryllium - 7440-41-7	0.233 ug/L	Calibration Check	0.0931	90-110	Low Bias				
Y1D0232-CCVD	Cadmium - 7440-43-9	0.229 ug/L	Calibration Check	0.0916	90-110	Low Bias				
Y1D0232-CCVD	Chromium - 7440-47-3	0.933 ug/L	Calibration Check	0.0933	90-110	Low Bias				
Y1D0232-CCVD	Copper - 7440-50-8	1.21 ug/L	Calibration Check	0.0971	90-110	Low Bias				
Y1D0232-CCVD	Lead - 7439-92-1	0.461 ug/L	Calibration Check	0.0922	90-110	Low Bias				
Y1D0232-CCVD	Nickel - 7440-02-0	2.32 ug/L	Calibration Check	0.0926	90-110	Low Bias				
Y1D0232-CCVD	Silver - 7440-22-4	1.19 ug/L	Calibration Check	0.0949	90-110	Low Bias				
Y1D0232-CCVD	Thallium - 7440-28-0	0.430 ug/L	Calibration Check	0.0861	90-110	Low Bias				
Y1D0232-CCVD	Zinc - 7440-66-6	2.17 ug/L	Calibration Check	0.0869	90-110	Low Bias				
Y1D0232-CRL1	Antimony - 7440-36-0	0.026 ug/L	Instrument RL Check	0.103	75-125	Low Bias				
Y1D0232-CRL1	Arsenic - 7440-38-2	0.015 ug/L	Instrument RL Check	0.100	75-125	Low Bias				
Y1D0232-CRL1	Beryllium - 7440-41-7	0.0007 ug/L	Instrument RL Check	0.148	75-125	Low Bias				
Y1D0232-CRL1	Cadmium - 7440-43-9	0.003 ug/L	Instrument RL Check	0.102	75-125	Low Bias				
Y1D0232-CRL1	Chromium - 7440-47-3	0.004 ug/L	Instrument RL Check	0.0890	75-125	Low Bias				
Y1D0232-CRL1	Copper - 7440-50-8	0.038 ug/L	Instrument RL Check	0.0944	75-125	Low Bias				
Y1D0232-CRL1	Lead - 7439-92-1	0.004 ug/L	Instrument RL Check	0.0792	75-125	Low Bias				
Y1D0232-CRL1	Nickel - 7440-02-0	0.010 ug/L	Instrument RL Check	0.101	75-125	Low Bias				
Y1D0232-CRL1	Silver - 7440-22-4	0.009 ug/L	Instrument RL Check	0.0909	75-125	Low Bias				
Y1D0232-CRL1	Thallium - 7440-28-0	0.031 ug/L	Instrument RL Check	0.123	75-125	Low Bias				
Y1D0232-CRL1	Zinc - 7440-66-6	0.028 ug/L	Instrument RL Check	0.114	75-125	Low Bias				



Batch ID: Y1D0232

Affected Samples:

See Batch Summar

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y1D0232-CRL2	Antimony - 7440-36-0	0.010 ug/L	Instrument RL Check	0.0830	75-125	Low Bias				
Y1D0232-CRL2	Arsenic - 7440-38-2	0.007 ug/L	Instrument RL Check	0.0939	75-125	Low Bias				
Y1D0232-CRL2	Beryllium - 7440-41-7	0.0003 ug/L	Instrument RL Check	0.120	75-125	Low Bias				
Y1D0232-CRL2	Cadmium - 7440-43-9	0.002 ug/L	Instrument RL Check	0.107	75-125	Low Bias				
Y1D0232-CRL2	Chromium - 7440-47-3	0.002 ug/L	Instrument RL Check	0.0878	75-125	Low Bias				
Y1D0232-CRL2	Copper - 7440-50-8	0.021 ug/L	Instrument RL Check	0.103	75-125	Low Bias				
Y1D0232-CRL2	Lead - 7439-92-1	0.003 ug/L	Instrument RL Check	0.130	75-125	Low Bias				
Y1D0232-CRL2	Nickel - 7440-02-0	0.005 ug/L	Instrument RL Check	0.0905	75-125	Low Bias				
Y1D0232-CRL2	Silver - 7440-22-4	0.004 ug/L	Instrument RL Check	0.0824	75-125	Low Bias				
Y1D0232-CRL2	Thallium - 7440-28-0	0.013 ug/L	Instrument RL Check	0.106	75-125	Low Bias				
Y1D0232-CRL2	Zinc - 7440-66-6	0.017 ug/L	Instrument RL Check	0.134	75-125	Low Bias				
Y1D0232-ICV1	Antimony - 7440-36-0	0.255 ug/L	Initial Cal Check	0.102	90-110	Low Bias				
Y1D0232-ICV1	Arsenic - 7440-38-2	0.249 ug/L	Initial Cal Check	0.0997	90-110	Low Bias				
Y1D0232-ICV1	Beryllium - 7440-41-7	0.248 ug/L	Initial Cal Check	0.0990	90-110	Low Bias				
Y1D0232-ICV1	Cadmium - 7440-43-9	0.121 ug/L	Initial Cal Check	0.0970	90-110	Low Bias				
Y1D0232-ICV1	Chromium - 7440-47-3	0.954 ug/L	Initial Cal Check	0.0954	90-110	Low Bias				
Y1D0232-ICV1	Copper - 7440-50-8	1.21 ug/L	Initial Cal Check	0.0971	90-110	Low Bias				
Y1D0232-ICV1	Lead - 7439-92-1	0.252 ug/L	Initial Cal Check	0.101	90-110	Low Bias				
Y1D0232-ICV1	Nickel - 7440-02-0	2.36 ug/L	Initial Cal Check	0.0944	90-110	Low Bias				
Y1D0232-ICV1	Silver - 7440-22-4	1.19 ug/L	Initial Cal Check	0.0949	90-110	Low Bias				
Y1D0232-ICV1	Thallium - 7440-28-0	0.248 ug/L	Initial Cal Check	0.0991	90-110	Low Bias				
Y1D0232-ICV1	Zinc - 7440-66-6	2.38 ug/L	Initial Cal Check	0.0952	90-110	Low Bias				
Y1D0232-IFB1	Antimony - 7440-36-0	0.549 ug/L	Interference Check B	0.110	80-120	Low Bias				
Y1D0232-IFB1	Arsenic - 7440-38-2	0.525 ug/L	Interference Check B	0.105	80-120	Low Bias				
Y1D0232-IFB1	Beryllium - 7440-41-7	0.503 ug/L	Interference Check B	0.101	80-120	Low Bias				
Y1D0232-IFB1	Cadmium - 7440-43-9	0.951 ug/L	Interference Check B	0.0951	80-120	Low Bias				
Y1D0232-IFB1	Chromium - 7440-47-3	0.471 ug/L	Interference Check B	0.0942	80-120	Low Bias				
Y1D0232-IFB1	Copper - 7440-50-8	0.552 ug/L	Interference Check B	0.110	80-120	Low Bias				
Y1D0232-IFB1	Lead - 7439-92-1	1.02 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Nickel - 7440-02-0	1.02 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Silver - 7440-22-4	1.02 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Thallium - 7440-28-0	0.511 ug/L	Interference Check B	0.102	80-120	Low Bias				
Y1D0232-IFB1	Zinc - 7440-66-6	0.948 ug/L	Interference Check B	0.0948	80-120	Low Bias				



Batch ID: BD10096 **General** Metals by ICP/MS

YORK Sample ID	Client Sample ID
21C1294-01	KC-MW-01 0321
21C1294-05	KC-MW-DUP 0321
BD10096-BLK1	Blank
BD10096-BS1	LCS
BD10096-DUP1	Duplicate
BD10096-MS1	Matrix Spike
BD10096-PS1	Post Spike

No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions: LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate



Analytical Batch Summary

Batch ID: BC11818 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-01	KC-MW-01 0321	03/30/21
21C1294-03	KC-MW-05 0321	03/30/21
21C1294-04	KC-MW-07 0321	03/30/21
21C1294-05	KC-MW-DUP 0321	03/30/21
21C1294-06	TRIP BLANK 0321	03/30/21
BC11818-BLK1	Blank	03/30/21
BC11818-BS1	LCS	03/30/21
BC11818-BSD1	LCS Dup	03/30/21

Batch ID: BC11825 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-02	KC-MW-02 0321	03/30/21
21C1294-03	KC-MW-05 0321	03/30/21
BC11825-BLK1	Blank	03/30/21
BC11825-BS1	LCS	03/30/21
BC11825-BS2	LCS	03/30/21

Batch ID: BC11826 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-01	KC-MW-01 0321	03/30/21
21C1294-05	KC-MW-DUP 0321	03/30/21
BC11826-BLK1	Blank	03/30/21
BC11826-BS1	LCS	03/30/21
BC11826-DUP1	Duplicate	03/30/21
BC11826-MS1	Matrix Spike	03/30/21

Batch ID: BD10031 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-01RE1	KC-MW-01 0321	04/01/21
21C1294-05RE1	KC-MW-DUP 0321	04/01/21
BD10031-BLK1	Blank	04/01/21
BD10031-BS1	LCS	04/01/21
BD10031-BSD1	LCS Dup	04/01/21
BD10031-MS1	Matrix Spike	04/01/21
BD10031-MSD1	Matrix Spike Dup	04/01/21

Batch ID: BD10096 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-01	KC-MW-01 0321	04/02/21



21C1294-05	KC-MW-DUP 0321	04/02/21
BD10096-BLK1	Blank	04/02/21
BD10096-BS1	LCS	04/02/21
BD10096-DUP1	Duplicate	04/02/21
BD10096-MS1	Matrix Spike	04/02/21
BD10096-PS1	Post Spike	04/02/21

Batch ID: BD10097 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-02	KC-MW-02 0321	04/02/21
21C1294-03	KC-MW-05 0321	04/02/21
BD10097-BLK1	Blank	04/02/21
BD10097-BS1	LCS	04/02/21
BD10097-DUP1	Duplicate	04/02/21
BD10097-MS1	Matrix Spike	04/02/21
BD10097-MS2	Matrix Spike	04/02/21
BD10097-PS1	Post Spike	04/02/21

Batch ID: BD10104 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C1294-02	KC-MW-02 0321	04/02/21
BD10104-BLK1	Blank	04/02/21
BD10104-BS1	LCS	04/02/21
BD10104-BSD1	LCS Dup	04/02/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC11818 - EPA 5030B

Blank (BC11818-BLK1)

Prepared & Analyzed: 03/30/2021

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	0.23	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11818 - EPA 5030B											
Blank (BC11818-BLK1)						Prepared & Analyzed: 03/30/2021					
Methylcyclohexane	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR:	8.94		"	10.0		89.4	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	9.73		"	10.0		97.3	81-117				
Surrogate: SURR:	9.86		"	10.0		98.6	79-122				
p-Bromofluorobenzene											
LCS (BC11818-BS1)						Prepared & Analyzed: 03/30/2021					
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.7	82-126				
1,1,1-Trichloroethane	9.9		"	10.0		99.3	78-136				
1,1,2,2-Tetrachloroethane	8.9		"	10.0		89.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.4		"	10.0		94.5	82-123				
1,1-Dichloroethane	9.9		"	10.0		99.1	82-129				
1,1-Dichloroethylene	10		"	10.0		103	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		92.4	40-130				
1,2,3-Trichloropropane	9.3		"	10.0		92.6	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		100	65-137				
1,2,4-Trimethylbenzene	9.9		"	10.0		99.1	82-132				
1,2-Dibromo-3-chloropropane	7.9		"	10.0		78.6	45-147				
1,2-Dibromoethane	9.6		"	10.0		95.9	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		98.4	79-123				
1,2-Dichloroethane	9.9		"	10.0		99.0	73-132				
1,2-Dichloropropane	9.6		"	10.0		96.4	78-126				
1,3,5-Trimethylbenzene	9.9		"	10.0		99.4	80-131				
1,3-Dichlorobenzene	9.8		"	10.0		98.2	86-130				
1,4-Dichlorobenzene	9.6		"	10.0		95.9	85-130				
1,4-Dioxane	120		"	210		57.6	10-349				
2-Butanone	8.4		"	10.0		83.9	49-152				
2-Hexanone	7.7		"	10.0		76.6	51-146				
4-Methyl-2-pentanone	7.8		"	10.0		77.7	57-145				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11818 - EPA 5030B											
LCS (BC11818-BS1)						Prepared & Analyzed: 03/30/2021					
Acetone	11		ug/L	10.0		106	14-150				
Acrolein	5.9		"	10.0		58.7	10-153				
Acrylonitrile	10		"	10.0		100	51-150				
Benzene	11		"	10.0		106	85-126				
Bromochloromethane	9.8		"	10.0		97.6	77-128				
Bromodichloromethane	9.3		"	10.0		93.0	79-128				
Bromoform	9.3		"	10.0		92.9	78-133				
Bromomethane	5.4		"	10.0		54.3	43-168				
Carbon disulfide	11		"	10.0		113	68-146				
Carbon tetrachloride	9.8		"	10.0		98.3	77-141				
Chlorobenzene	10		"	10.0		99.7	88-120				
Chloroethane	11		"	10.0		108	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	12		"	10.0		120	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		99.6	83-129				
cis-1,3-Dichloropropylene	8.5		"	10.0		84.6	80-131				
Cyclohexane	7.9		"	10.0		78.6	63-149				
Dibromochloromethane	9.5		"	10.0		95.1	80-130				
Dibromomethane	9.4		"	10.0		93.9	72-134				
Dichlorodifluoromethane	17		"	10.0		166	44-144	High Bias			
Ethyl Benzene	10		"	10.0		102	80-131				
Hexachlorobutadiene	11		"	10.0		108	67-146				
Isopropylbenzene	9.7		"	10.0		96.6	76-140				
Methyl acetate	7.6		"	10.0		75.9	51-139				
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		97.9	76-135				
Methylcyclohexane	9.5		"	10.0		94.6	72-143				
Methylene chloride	10		"	10.0		101	55-137				
n-Butylbenzene	9.2		"	10.0		91.7	79-132				
n-Propylbenzene	9.7		"	10.0		97.1	78-133				
o-Xylene	10		"	10.0		100	78-130				
p- & m- Xylenes	21		"	20.0		105	77-133				
p-Isopropyltoluene	10		"	10.0		101	81-136				
sec-Butylbenzene	10		"	10.0		103	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	32		"	50.0		63.9	25-162				
tert-Butylbenzene	8.4		"	10.0		84.1	77-138				
Tetrachloroethylene	10		"	10.0		99.7	82-131				
Toluene	9.9		"	10.0		98.6	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	8.2		"	10.0		82.1	78-131				
trans-1,4-dichloro-2-butene	8.0		"	10.0		79.9	63-141				
Trichloroethylene	9.8		"	10.0		97.6	82-128				
Trichlorofluoromethane	11		"	10.0		113	67-139				
Vinyl Chloride	11		"	10.0		113	58-145				
Surrogate: SURR:	9.03		"	10.0		90.3	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	9.75		"	10.0		97.5	81-117				
Surrogate: SURR:	9.35		"	10.0		93.5	79-122				
p-Bromofluorobenzene											



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11818 - EPA 5030B											
LCS Dup (BC11818-BSD1)						Prepared & Analyzed: 03/30/2021					
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.8	82-126		4.07	30	
1,1,1-Trichloroethane	9.4		"	10.0		93.8	78-136		5.70	30	
1,1,2,2-Tetrachloroethane	8.7		"	10.0		86.8	76-129		2.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		111	54-165		5.61	30	
1,1,2-Trichloroethane	9.2		"	10.0		92.0	82-123		2.68	30	
1,1-Dichloroethane	9.3		"	10.0		93.1	82-129		6.24	30	
1,1-Dichloroethylene	9.6		"	10.0		96.4	68-138		6.52	30	
1,2,3-Trichlorobenzene	8.9		"	10.0		89.4	40-130		3.30	30	
1,2,3-Trichloropropane	8.9		"	10.0		89.0	77-128		3.96	30	
1,2,4-Trichlorobenzene	9.6		"	10.0		96.0	65-137		4.28	30	
1,2,4-Trimethylbenzene	9.6		"	10.0		95.7	82-132		3.49	30	
1,2-Dibromo-3-chloropropane	7.7		"	10.0		76.7	45-147		2.45	30	
1,2-Dibromoethane	9.2		"	10.0		92.5	83-124		3.61	30	
1,2-Dichlorobenzene	9.5		"	10.0		95.0	79-123		3.52	30	
1,2-Dichloroethane	9.6		"	10.0		95.6	73-132		3.49	30	
1,2-Dichloropropane	9.4		"	10.0		94.5	78-126		1.99	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		96.3	80-131		3.17	30	
1,3-Dichlorobenzene	9.3		"	10.0		93.1	86-130		5.33	30	
1,4-Dichlorobenzene	9.3		"	10.0		92.7	85-130		3.39	30	
1,4-Dioxane	110		"	210		52.7	10-349		8.98	30	
2-Butanone	8.2		"	10.0		81.8	49-152		2.53	30	
2-Hexanone	7.5		"	10.0		74.9	51-146		2.24	30	
4-Methyl-2-pentanone	7.7		"	10.0		77.3	57-145		0.516	30	
Acetone	10		"	10.0		100	14-150		5.15	30	
Acrolein	6.0		"	10.0		60.4	10-153		2.85	30	
Acrylonitrile	10		"	10.0		99.8	51-150		0.500	30	
Benzene	9.9		"	10.0		99.3	85-126		6.05	30	
Bromochloromethane	9.4		"	10.0		93.9	77-128		3.86	30	
Bromodichloromethane	9.0		"	10.0		89.7	79-128		3.61	30	
Bromoform	9.0		"	10.0		90.5	78-133		2.62	30	
Bromomethane	5.8		"	10.0		58.0	43-168		6.59	30	
Carbon disulfide	11		"	10.0		106	68-146		5.75	30	
Carbon tetrachloride	9.3		"	10.0		93.1	77-141		5.43	30	
Chlorobenzene	9.6		"	10.0		96.0	88-120		3.78	30	
Chloroethane	10		"	10.0		103	65-136		4.26	30	
Chloroform	9.8		"	10.0		97.9	82-128		5.85	30	
Chloromethane	11		"	10.0		114	43-155		5.04	30	
cis-1,2-Dichloroethylene	9.6		"	10.0		95.6	83-129		4.10	30	
cis-1,3-Dichloropropylene	8.2		"	10.0		81.8	80-131		3.37	30	
Cyclohexane	7.4		"	10.0		74.2	63-149		5.76	30	
Dibromochloromethane	9.3		"	10.0		92.7	80-130		2.56	30	
Dibromomethane	9.2		"	10.0		91.9	72-134		2.15	30	
Dichlorodifluoromethane	15		"	10.0		152	44-144	High Bias	8.62	30	
Ethyl Benzene	9.8		"	10.0		97.8	80-131		4.50	30	
Hexachlorobutadiene	11		"	10.0		105	67-146		3.09	30	
Isopropylbenzene	9.2		"	10.0		92.0	76-140		4.88	30	
Methyl acetate	7.3		"	10.0		73.0	51-139		3.90	30	
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		93.0	76-135		5.13	30	
Methylcyclohexane	9.0		"	10.0		89.7	72-143		5.32	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BC11818 - EPA 5030B

LCS Dup (BC11818-BSD1)

Prepared & Analyzed: 03/30/2021

Methylene chloride	9.5		ug/L	10.0		95.3	55-137		5.41	30	
n-Butylbenzene	8.0		"	10.0		80.1	79-132		13.5	30	
n-Propylbenzene	9.2		"	10.0		92.5	78-133		4.85	30	
o-Xylene	9.7		"	10.0		97.3	78-130		3.14	30	
p- & m- Xylenes	20		"	20.0		99.4	77-133		5.24	30	
p-Isopropyltoluene	9.7		"	10.0		96.8	81-136		4.64	30	
sec-Butylbenzene	9.9		"	10.0		98.7	79-137		4.36	30	
Styrene	9.8		"	10.0		97.5	67-132		4.71	30	
tert-Butyl alcohol (TBA)	30		"	50.0		59.6	25-162		6.99	30	
tert-Butylbenzene	8.0		"	10.0		80.4	77-138		4.50	30	
Tetrachloroethylene	9.4		"	10.0		94.1	82-131		5.78	30	
Toluene	9.5		"	10.0		95.1	80-127		3.61	30	
trans-1,2-Dichloroethylene	9.9		"	10.0		99.3	80-132		6.81	30	
trans-1,3-Dichloropropylene	8.1		"	10.0		80.6	78-131		1.84	30	
trans-1,4-dichloro-2-butene	7.9		"	10.0		78.6	63-141		1.64	30	
Trichloroethylene	9.3		"	10.0		93.1	82-128		4.72	30	
Trichlorofluoromethane	11		"	10.0		107	67-139		5.00	30	
Vinyl Chloride	11		"	10.0		107	58-145		5.62	30	
Surrogate: SURR:	8.97		"	10.0		89.7	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	9.66		"	10.0		96.6	81-117				
Surrogate: SURR:	9.52		"	10.0		95.2	79-122				
p-Bromofluorobenzene											

Batch BD10031 - EPA 5030B

Blank (BD10031-BLK1)

Prepared & Analyzed: 04/01/2021

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	0.36	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD10031 - EPA 5030B

Blank (BD10031-BLK1)

Prepared & Analyzed: 04/01/2021

Acetone	ND	2.0	ug/L								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								

Surrogate: SURR:	9.31		"	10.0		93.1	69-130
1,2-Dichloroethane-d4							
Surrogate: SURR: Toluene-d8	9.65		"	10.0		96.5	81-117



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10031 - EPA 5030B											
Blank (BD10031-BLK1)						Prepared & Analyzed: 04/01/2021					
Surrogate: SURR:	9.45		ug/L	10.0		94.5	79-122				
<i>p</i> -Bromofluorobenzene											
LCS (BD10031-BS1)						Prepared & Analyzed: 04/01/2021					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11		"	10.0		110	78-136				
1,1,2,2-Tetrachloroethane	8.9		"	10.0		89.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		132	54-165				
1,1,2-Trichloroethane	9.1		"	10.0		91.0	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	12		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		92.5	40-130				
1,2,3-Trichloropropane	9.3		"	10.0		93.1	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		106	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		118	82-132				
1,2-Dibromo-3-chloropropane	8.1		"	10.0		81.4	45-147				
1,2-Dibromoethane	9.1		"	10.0		90.8	83-124				
1,2-Dichlorobenzene	11		"	10.0		107	79-123				
1,2-Dichloroethane	9.6		"	10.0		96.3	73-132				
1,2-Dichloropropane	10		"	10.0		105	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		120	80-131				
1,3-Dichlorobenzene	11		"	10.0		111	86-130				
1,4-Dichlorobenzene	11		"	10.0		108	85-130				
1,4-Dioxane	110		"	210		54.0	10-349				
2-Butanone	8.2		"	10.0		81.8	49-152				
2-Hexanone	6.4		"	10.0		64.5	51-146				
4-Methyl-2-pentanone	6.7		"	10.0		67.1	57-145				
Acetone	9.1		"	10.0		90.8	14-150				
Acrolein	5.7		"	10.0		56.7	10-153				
Acrylonitrile	9.4		"	10.0		94.2	51-150				
Benzene	11		"	10.0		114	85-126				
Bromochloromethane	9.8		"	10.0		97.6	77-128				
Bromodichloromethane	9.8		"	10.0		97.5	79-128				
Bromoform	8.9		"	10.0		89.2	78-133				
Bromomethane	8.8		"	10.0		88.3	43-168				
Carbon disulfide	13		"	10.0		125	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	11		"	10.0		110	88-120				
Chloroethane	12		"	10.0		123	65-136				
Chloroform	11		"	10.0		110	82-128				
Chloromethane	15		"	10.0		145	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	9.1		"	10.0		91.2	80-131				
Cyclohexane	9.2		"	10.0		92.1	63-149				
Dibromochloromethane	9.2		"	10.0		91.8	80-130				
Dibromomethane	9.2		"	10.0		92.4	72-134				
Dichlorodifluoromethane	19		"	10.0		191	44-144	High Bias			
Ethyl Benzene	12		"	10.0		116	80-131				
Hexachlorobutadiene	13		"	10.0		126	67-146				
Isopropylbenzene	12		"	10.0		118	76-140				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10031 - EPA 5030B											
LCS (BD10031-BS1)						Prepared & Analyzed: 04/01/2021					
Methyl acetate	7.4		ug/L	10.0		74.2	51-139				
Methyl tert-butyl ether (MTBE)	8.6		"	10.0		85.7	76-135				
Methylcyclohexane	11		"	10.0		115	72-143				
Methylene chloride	10		"	10.0		103	55-137				
n-Butylbenzene	11		"	10.0		113	79-132				
n-Propylbenzene	12		"	10.0		120	78-133				
o-Xylene	11		"	10.0		110	78-130				
p- & m- Xylenes	24		"	20.0		118	77-133				
p-Isopropyltoluene	12		"	10.0		121	81-136				
sec-Butylbenzene	12		"	10.0		124	79-137				
Styrene	11		"	10.0		109	67-132				
tert-Butyl alcohol (TBA)	24		"	50.0		48.8	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	11		"	10.0		114	82-131				
Toluene	11		"	10.0		113	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	8.4		"	10.0		84.1	78-131				
trans-1,4-dichloro-2-butene	8.5		"	10.0		85.4	63-141				
Trichloroethylene	11		"	10.0		112	82-128				
Trichlorofluoromethane	13		"	10.0		127	67-139				
Vinyl Chloride	13		"	10.0		132	58-145				
Surrogate: SURR:	8.05		"	10.0		80.5	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR:	9.78		"	10.0		97.8	79-122				
p-Bromofluorobenzene											
LCS Dup (BD10031-BSD1)						Prepared & Analyzed: 04/01/2021					
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		105	82-126		1.92	30	
1,1,1-Trichloroethane	11		"	10.0		108	78-136		2.39	30	
1,1,2,2-Tetrachloroethane	9.9		"	10.0		99.3	76-129		10.6	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165		3.23	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		12.7	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		2.45	30	
1,1-Dichloroethylene	11		"	10.0		112	68-138		3.69	30	
1,2,3-Trichlorobenzene	10		"	10.0		102	40-130		9.67	30	
1,2,3-Trichloropropane	10		"	10.0		100	77-128		7.15	30	
1,2,4-Trichlorobenzene	11		"	10.0		111	65-137		5.07	30	
1,2,4-Trimethylbenzene	11		"	10.0		108	82-132		8.50	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0		89.8	45-147		9.81	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		12.2	30	
1,2-Dichlorobenzene	11		"	10.0		108	79-123		0.279	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		9.78	30	
1,2-Dichloropropane	10		"	10.0		104	78-126		1.15	30	
1,3,5-Trimethylbenzene	11		"	10.0		108	80-131		10.5	30	
1,3-Dichlorobenzene	11		"	10.0		106	86-130		4.88	30	
1,4-Dichlorobenzene	11		"	10.0		106	85-130		2.05	30	
1,4-Dioxane	150		"	210		70.4	10-349		26.3	30	
2-Butanone	9.2		"	10.0		91.6	49-152		11.3	30	
2-Hexanone	8.4		"	10.0		84.1	51-146		26.4	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10031 - EPA 5030B											
LCS Dup (BD10031-BSD1)						Prepared & Analyzed: 04/01/2021					
4-Methyl-2-pentanone	8.6		ug/L	10.0		86.5	57-145		25.3	30	
Acetone	11		"	10.0		114	14-150		22.2	30	
Acrolein	7.4		"	10.0		74.2	10-153		26.7	30	
Acrylonitrile	12		"	10.0		116	51-150		20.3	30	
Benzene	11		"	10.0		111	85-126		2.14	30	
Bromochloromethane	11		"	10.0		108	77-128		9.84	30	
Bromodichloromethane	10		"	10.0		101	79-128		3.43	30	
Bromoform	10		"	10.0		102	78-133		13.7	30	
Bromomethane	9.0		"	10.0		89.7	43-168		1.57	30	
Carbon disulfide	12		"	10.0		121	68-146		3.90	30	
Carbon tetrachloride	11		"	10.0		107	77-141		2.95	30	
Chlorobenzene	11		"	10.0		107	88-120		2.12	30	
Chloroethane	12		"	10.0		119	65-136		3.40	30	
Chloroform	11		"	10.0		109	82-128		1.37	30	
Chloromethane	14		"	10.0		139	43-155		4.01	30	
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129		2.09	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		95.7	80-131		4.82	30	
Cyclohexane	9.1		"	10.0		90.7	63-149		1.53	30	
Dibromochloromethane	10		"	10.0		104	80-130		12.1	30	
Dibromomethane	9.9		"	10.0		99.4	72-134		7.30	30	
Dichlorodifluoromethane	18		"	10.0		184	44-144	High Bias	3.74	30	
Ethyl Benzene	11		"	10.0		111	80-131		4.85	30	
Hexachlorobutadiene	12		"	10.0		124	67-146		2.32	30	
Isopropylbenzene	10		"	10.0		104	76-140		12.9	30	
Methyl acetate	9.3		"	10.0		92.6	51-139		22.1	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		20.1	30	
Methylcyclohexane	11		"	10.0		109	72-143		5.55	30	
Methylene chloride	11		"	10.0		108	55-137		4.54	30	
n-Butylbenzene	10		"	10.0		102	79-132		9.98	30	
n-Propylbenzene	11		"	10.0		106	78-133		12.6	30	
o-Xylene	11		"	10.0		109	78-130		1.37	30	
p- & m- Xylenes	22		"	20.0		112	77-133		5.30	30	
p-Isopropyltoluene	11		"	10.0		111	81-136		8.52	30	
sec-Butylbenzene	11		"	10.0		112	79-137		10.4	30	
Styrene	11		"	10.0		110	67-132		0.274	30	
tert-Butyl alcohol (TBA)	37		"	50.0		74.8	25-162		42.0	30	Non-dir.
tert-Butylbenzene	9.1		"	10.0		91.1	77-138		11.4	30	
Tetrachloroethylene	11		"	10.0		107	82-131		6.53	30	
Toluene	11		"	10.0		107	80-127		5.47	30	
trans-1,2-Dichloroethylene	11		"	10.0		114	80-132		3.72	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		92.8	78-131		9.84	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.1	63-141		7.55	30	
Trichloroethylene	11		"	10.0		105	82-128		6.53	30	
Trichlorofluoromethane	12		"	10.0		123	67-139		3.52	30	
Vinyl Chloride	13		"	10.0		127	58-145		3.87	30	
Surrogate: SURR:	9.06		"	10.0		90.6	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	9.73		"	10.0		97.3	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10031 - EPA 5030B											
LCS Dup (BD10031-BSD1)						Prepared & Analyzed: 04/01/2021					
Surrogate: SURR:	9.54		ug/L	10.0		95.4	79-122				
<i>p</i> -Bromofluorobenzene											
Matrix Spike (BD10031-MS1)						*Source sample: 21C1405-01 (Matrix Spike)					
						Prepared & Analyzed: 04/01/2021					
1,1,1,2-Tetrachloroethane	2.1		ug/L	10.0	0.0	20.6	45-161	Low Bias			
1,1,1-Trichloroethane	2.5		"	10.0	0.0	24.8	70-146	Low Bias			
1,1,2,2-Tetrachloroethane	3.9		"	10.0	0.0	39.2	74-121	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.3		"	10.0	0.0	32.6	21-217				
1,1,2-Trichloroethane	2.6		"	10.0	0.0	25.5	59-146	Low Bias			
1,1-Dichloroethane	2.5		"	10.0	0.0	24.6	54-146	Low Bias			
1,1-Dichloroethylene	2.9		"	10.0	0.0	28.7	44-165	Low Bias			
1,2,3-Trichlorobenzene	1.6		"	10.0	0.0	16.2	40-161	Low Bias			
1,2,3-Trichloropropane	2.5		"	10.0	0.0	24.7	74-127	Low Bias			
1,2,4-Trichlorobenzene	1.6		"	10.0	0.0	16.5	41-161	Low Bias			
1,2,4-Trimethylbenzene	2.2		"	10.0	0.37	18.7	72-129	Low Bias			
1,2-Dibromo-3-chloropropane	1.9		"	10.0	0.0	19.0	31-151	Low Bias			
1,2-Dibromoethane	2.4		"	10.0	0.0	24.1	75-125	Low Bias			
1,2-Dichlorobenzene	2.0		"	10.0	0.0	19.8	63-122	Low Bias			
1,2-Dichloroethane	2.4		"	10.0	0.0	23.8	68-131	Low Bias			
1,2-Dichloropropane	2.4		"	10.0	0.0	23.7	77-121	Low Bias			
1,3,5-Trimethylbenzene	2.0		"	10.0	0.0	19.6	69-126	Low Bias			
1,3-Dichlorobenzene	1.9		"	10.0	0.0	19.1	74-119	Low Bias			
1,4-Dichlorobenzene	2.0		"	10.0	0.0	19.7	70-124	Low Bias			
1,4-Dioxane	23		"	210	0.0	11.0	10-310				
2-Butanone	660		"	10.0	620	466	10-193	High Bias			
2-Hexanone	15		"	10.0	13	16.5	53-133	Low Bias			
4-Methyl-2-pentanone	22		"	10.0	20	19.4	38-150	Low Bias			
Acetone	130		"	10.0	120	41.6	13-149				
Acrolein	3.8		"	10.0	0.0	37.6	10-195				
Acrylonitrile	2.5		"	10.0	0.0	24.7	37-165	Low Bias			
Benzene	3.0		"	10.0	0.40	26.2	38-155	Low Bias			
Bromochloromethane	2.5		"	10.0	0.0	25.2	75-121	Low Bias			
Bromodichloromethane	2.1		"	10.0	0.0	21.0	70-129	Low Bias			
Bromoform	2.0		"	10.0	0.0	19.8	66-136	Low Bias			
Bromomethane	0.65		"	10.0	0.0	6.50	30-158	Low Bias			
Carbon disulfide	3.3		"	10.0	0.0	32.8	10-138				
Carbon tetrachloride	2.4		"	10.0	0.0	23.9	71-146	Low Bias			
Chlorobenzene	2.3		"	10.0	0.0	23.1	81-117	Low Bias			
Chloroethane	3.3		"	10.0	0.0	33.3	51-145	Low Bias			
Chloroform	2.5		"	10.0	0.0	25.0	80-124	Low Bias			
Chloromethane	3.3		"	10.0	0.0	32.8	16-163				
cis-1,2-Dichloroethylene	2.9		"	10.0	0.39	25.5	76-125	Low Bias			
cis-1,3-Dichloropropylene	2.0		"	10.0	0.0	19.9	58-131	Low Bias			
Cyclohexane	2.2		"	10.0	0.0	22.1	70-130	Low Bias			
Dibromochloromethane	2.1		"	10.0	0.0	20.9	71-129	Low Bias			
Dibromomethane	2.3		"	10.0	0.0	23.1	76-120	Low Bias			
Dichlorodifluoromethane	5.3		"	10.0	0.0	53.1	30-147				
Ethyl Benzene	2.5		"	10.0	0.23	22.7	72-128	Low Bias			
Hexachlorobutadiene	1.4		"	10.0	0.0	13.5	34-166	Low Bias			
Isopropylbenzene	1.9		"	10.0	0.0	19.2	66-139	Low Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10031 - EPA 5030B											
Matrix Spike (BD10031-MS1)		*Source sample: 21C1405-01 (Matrix Spike)					Prepared & Analyzed: 04/01/2021				
Methyl acetate	2.2		ug/L	10.0	0.0	21.8	10-200				
Methyl tert-butyl ether (MTBE)	2.3		"	10.0	0.0	22.9	75-128	Low Bias			
Methylcyclohexane	2.2		"	10.0	0.0	21.6	70-130	Low Bias			
Methylene chloride	3.7		"	10.0	1.2	25.0	57-128	Low Bias			
n-Butylbenzene	1.6		"	10.0	0.0	15.6	61-138	Low Bias			
n-Propylbenzene	2.0		"	10.0	0.0	20.3	66-134	Low Bias			
o-Xylene	2.3		"	10.0	0.17	21.5	69-126	Low Bias			
p- & m- Xylenes	4.9		"	20.0	0.32	22.8	67-130	Low Bias			
p-Isopropyltoluene	1.8		"	10.0	0.0	17.9	64-137	Low Bias			
sec-Butylbenzene	1.8		"	10.0	0.0	18.1	53-155	Low Bias			
Styrene	2.2		"	10.0	0.0	22.1	69-125	Low Bias			
tert-Butyl alcohol (TBA)	11		"	50.0	0.0	21.3	10-130				
tert-Butylbenzene	1.5		"	10.0	0.0	15.2	65-139	Low Bias			
Tetrachloroethylene	2.9		"	10.0	0.63	22.4	64-139	Low Bias			
Toluene	2.9		"	10.0	0.57	23.5	76-123	Low Bias			
trans-1,2-Dichloroethylene	2.8		"	10.0	0.0	27.9	79-131	Low Bias			
trans-1,3-Dichloropropylene	2.0		"	10.0	0.0	19.6	55-130	Low Bias			
trans-1,4-dichloro-2-butene	2.1		"	10.0	0.0	20.9	25-155	Low Bias			
Trichloroethylene	2.5		"	10.0	0.0	25.1	53-145	Low Bias			
Trichlorofluoromethane	3.2		"	10.0	0.0	31.8	61-142	Low Bias			
Vinyl Chloride	3.4		"	10.0	0.0	34.3	31-165				
Surrogate: SURR:	9.34		"	10.0		93.4	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	9.67		"	10.0		96.7	81-117				
Surrogate: SURR:	9.13		"	10.0		91.3	79-122				
p-Bromofluorobenzene											
Matrix Spike Dup (BD10031-MSD1)		*Source sample: 21C1405-01 (Matrix Spike Dup)					Prepared & Analyzed: 04/01/2021				
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0	0.0	93.6	45-161		128	30	Non-dir.
1,1,1-Trichloroethane	11		"	10.0	0.0	109	70-146		126	30	Non-dir.
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	125	74-121	High Bias	105	30	Non-dir.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	136	21-217		123	30	Non-dir.
1,1,2-Trichloroethane	10		"	10.0	0.0	102	59-146		120	30	Non-dir.
1,1-Dichloroethane	11		"	10.0	0.0	108	54-146		126	30	Non-dir.
1,1-Dichloroethylene	12		"	10.0	0.0	124	44-165		125	30	Non-dir.
1,2,3-Trichlorobenzene	7.5		"	10.0	0.0	75.0	40-161		129	30	Non-dir.
1,2,3-Trichloropropane	11		"	10.0	0.0	105	74-127		124	30	Non-dir.
1,2,4-Trichlorobenzene	7.8		"	10.0	0.0	77.7	41-161		130	30	Non-dir.
1,2,4-Trimethylbenzene	9.0		"	10.0	0.37	86.7	72-129		129	30	Non-dir.
1,2-Dibromo-3-chloropropane	8.5		"	10.0	0.0	85.2	31-151		127	30	Non-dir.
1,2-Dibromoethane	10		"	10.0	0.0	103	75-125		124	30	Non-dir.
1,2-Dichlorobenzene	8.8		"	10.0	0.0	88.3	63-122		127	30	Non-dir.
1,2-Dichloroethane	10		"	10.0	0.0	101	68-131		123	30	Non-dir.
1,2-Dichloropropane	9.9		"	10.0	0.0	99.3	77-121		123	30	Non-dir.
1,3,5-Trimethylbenzene	8.9		"	10.0	0.0	89.0	69-126		128	30	Non-dir.
1,3-Dichlorobenzene	8.5		"	10.0	0.0	85.4	74-119		127	30	Non-dir.
1,4-Dichlorobenzene	8.6		"	10.0	0.0	86.3	70-124		126	30	Non-dir.
1,4-Dioxane	120		"	210	0.0	58.7	10-310		137	30	Non-dir.
2-Butanone	660		"	10.0	620	473	10-193	High Bias	1.43	30	
2-Hexanone	23		"	10.0	13	97.1	53-133		142	30	Non-dir.



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10031 - EPA 5030B											
Matrix Spike Dup (BD10031-MSD1)	*Source sample: 21C1405-01 (Matrix Spike Dup)						Prepared & Analyzed: 04/01/2021				
4-Methyl-2-pentanone	29		ug/L	10.0	20	95.6	38-150		133	30	Non-dir.
Acetone	140		"	10.0	120	123	13-149		98.8	30	Non-dir.
Acrolein	8.8		"	10.0	0.0	87.7	10-195		80.0	30	Non-dir.
Acrylonitrile	12		"	10.0	0.0	119	37-165		131	30	Non-dir.
Benzene	12		"	10.0	0.40	112	38-155		124	30	Non-dir.
Bromochloromethane	10		"	10.0	0.0	104	75-121		122	30	Non-dir.
Bromodichloromethane	8.9		"	10.0	0.0	89.4	70-129		124	30	Non-dir.
Bromoform	9.3		"	10.0	0.0	93.1	66-136		130	30	Non-dir.
Bromomethane	4.4		"	10.0	0.0	43.5	30-158		148	30	Non-dir.
Carbon disulfide	13		"	10.0	0.0	133	10-138		121	30	Non-dir.
Carbon tetrachloride	11		"	10.0	0.0	108	71-146		128	30	Non-dir.
Chlorobenzene	9.8		"	10.0	0.0	98.1	81-117		124	30	Non-dir.
Chloroethane	13		"	10.0	0.0	128	51-145		118	30	Non-dir.
Chloroform	11		"	10.0	0.0	106	80-124		124	30	Non-dir.
Chloromethane	16		"	10.0	0.0	158	16-163		131	30	Non-dir.
cis-1,2-Dichloroethylene	11		"	10.0	0.39	106	76-125		123	30	Non-dir.
cis-1,3-Dichloropropylene	8.4		"	10.0	0.0	84.4	58-131		124	30	Non-dir.
Cyclohexane	9.8		"	10.0	0.0	98.0	70-130		126	30	Non-dir.
Dibromochloromethane	9.4		"	10.0	0.0	94.1	71-129		127	30	Non-dir.
Dibromomethane	9.7		"	10.0	0.0	97.2	76-120		123	30	Non-dir.
Dichlorodifluoromethane	20		"	10.0	0.0	205	30-147	High Bias	118	30	Non-dir.
Ethyl Benzene	10		"	10.0	0.23	101	72-128		126	30	Non-dir.
Hexachlorobutadiene	7.5		"	10.0	0.0	75.2	34-166		139	30	Non-dir.
Isopropylbenzene	8.6		"	10.0	0.0	86.3	66-139		127	30	Non-dir.
Methyl acetate	10		"	10.0	0.0	103	10-200		130	30	Non-dir.
Methyl tert-butyl ether (MTBE)	11		"	10.0	0.0	105	75-128		129	30	Non-dir.
Methylcyclohexane	9.6		"	10.0	0.0	96.3	70-130		127	30	Non-dir.
Methylene chloride	12		"	10.0	1.2	107	57-128		124	30	Non-dir.
n-Butylbenzene	7.2		"	10.0	0.0	71.6	61-138		128	30	Non-dir.
n-Propylbenzene	9.1		"	10.0	0.0	90.8	66-134		127	30	Non-dir.
o-Xylene	9.8		"	10.0	0.17	95.8	69-126		127	30	Non-dir.
p- & m- Xylenes	21		"	20.0	0.32	101	67-130		126	30	Non-dir.
p-Isopropyltoluene	8.2		"	10.0	0.0	81.6	64-137		128	30	Non-dir.
sec-Butylbenzene	8.5		"	10.0	0.0	84.8	53-155		130	30	Non-dir.
Styrene	9.8		"	10.0	0.0	97.8	69-125		126	30	Non-dir.
tert-Butyl alcohol (TBA)	42		"	50.0	0.0	83.2	10-130		119	30	Non-dir.
tert-Butylbenzene	7.2		"	10.0	0.0	72.3	65-139		131	30	Non-dir.
Tetrachloroethylene	10		"	10.0	0.63	97.4	64-139		125	30	Non-dir.
Toluene	11		"	10.0	0.57	100	76-123		124	30	Non-dir.
trans-1,2-Dichloroethylene	12		"	10.0	0.0	120	79-131		124	30	Non-dir.
trans-1,3-Dichloropropylene	8.5		"	10.0	0.0	85.1	55-130		125	30	Non-dir.
trans-1,4-dichloro-2-butene	9.0		"	10.0	0.0	90.4	25-155		125	30	Non-dir.
Trichloroethylene	10		"	10.0	0.0	102	53-145		121	30	Non-dir.
Trichlorofluoromethane	14		"	10.0	0.0	136	61-142		124	30	Non-dir.
Vinyl Chloride	15		"	10.0	0.0	148	31-165		125	30	Non-dir.
Surrogate: SURR:	9.41		"	10.0		94.1	69-130				
1,2-Dichloroethane-d4											
Surrogate: SURR: Toluene-d8	9.63		"	10.0		96.3	81-117				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BD10031 - EPA 5030B

Matrix Spike Dup (BD10031-MSD1) *Source sample: 21C1405-01 (Matrix Spike Dup) Prepared & Analyzed: 04/01/2021

Surrogate: SURR: 9.08 ug/L 10.0 90.8 79-122
p-Bromofluorobenzene

Batch BD10104 - EPA 5030B

Blank (BD10104-BLK1) Prepared & Analyzed: 04/02/2021

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	0.51	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD10104 - EPA 5030B

Blank (BD10104-BLK1)

Prepared & Analyzed: 04/02/2021

Hexachlorobutadiene	ND	0.50	ug/L								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	1.7	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR:</i>	<i>9.15</i>		<i>"</i>	<i>10.0</i>		<i>91.5</i>	<i>69-130</i>				
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>81-117</i>				
<i>Surrogate: SURR:</i>	<i>9.31</i>		<i>"</i>	<i>10.0</i>		<i>93.1</i>	<i>79-122</i>				
<i>p-Bromofluorobenzene</i>											



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10104 - EPA 5030B											
LCS (BD10104-BS1)						Prepared & Analyzed: 04/02/2021					
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		99.3	82-126				
1,1,1-Trichloroethane	10		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		126	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		94.7	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		91.9	40-130				
1,2,3-Trichloropropane	9.4		"	10.0		94.1	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		100	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	8.0		"	10.0		80.5	45-147				
1,2-Dibromoethane	9.4		"	10.0		94.3	83-124				
1,2-Dichlorobenzene	10		"	10.0		103	79-123				
1,2-Dichloroethane	9.8		"	10.0		98.2	73-132				
1,2-Dichloropropane	10		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		109	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-130				
1,4-Dichlorobenzene	10		"	10.0		103	85-130				
1,4-Dioxane	110		"	210		53.3	10-349				
2-Butanone	8.2		"	10.0		82.5	49-152				
2-Hexanone	7.6		"	10.0		75.5	51-146				
4-Methyl-2-pentanone	7.7		"	10.0		76.6	57-145				
Acetone	9.5		"	10.0		94.8	14-150				
Acrolein	5.9		"	10.0		59.0	10-153				
Acrylonitrile	9.7		"	10.0		97.2	51-150				
Benzene	11		"	10.0		114	85-126				
Bromochloromethane	10		"	10.0		103	77-128				
Bromodichloromethane	9.5		"	10.0		95.0	79-128				
Bromoform	8.9		"	10.0		89.0	78-133				
Bromomethane	4.8		"	10.0		48.3	43-168				
Carbon disulfide	12		"	10.0		122	68-146				
Carbon tetrachloride	10		"	10.0		103	77-141				
Chlorobenzene	10		"	10.0		105	88-120				
Chloroethane	12		"	10.0		121	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	14		"	10.0		139	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		89.0	80-131				
Cyclohexane	9.3		"	10.0		92.6	63-149				
Dibromochloromethane	9.5		"	10.0		94.7	80-130				
Dibromomethane	9.0		"	10.0		90.4	72-134				
Dichlorodifluoromethane	17		"	10.0		166	44-144	High Bias			
Ethyl Benzene	11		"	10.0		111	80-131				
Hexachlorobutadiene	11		"	10.0		111	67-146				
Isopropylbenzene	11		"	10.0		108	76-140				
Methyl acetate	8.3		"	10.0		83.1	51-139				
Methyl tert-butyl ether (MTBE)	9.1		"	10.0		91.4	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BD10104 - EPA 5030B											
LCS (BD10104-BS1)						Prepared & Analyzed: 04/02/2021					
Methylene chloride	11		ug/L	10.0		114	55-137				
n-Butylbenzene	11		"	10.0		106	79-132				
n-Propylbenzene	11		"	10.0		108	78-133				
o-Xylene	11		"	10.0		106	78-130				
p- & m- Xylenes	22		"	20.0		112	77-133				
p-Isopropyltoluene	11		"	10.0		111	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	11		"	10.0		107	67-132				
tert-Butyl alcohol (TBA)	31		"	50.0		62.1	25-162				
tert-Butylbenzene	9.2		"	10.0		91.7	77-138				
Tetrachloroethylene	11		"	10.0		106	82-131				
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	8.5		"	10.0		85.4	78-131				
trans-1,4-dichloro-2-butene	8.4		"	10.0		83.5	63-141				
Trichloroethylene	11		"	10.0		106	82-128				
Trichlorofluoromethane	12		"	10.0		117	67-139				
Vinyl Chloride	13		"	10.0		126	58-145				
<i>Surrogate: SURR:</i>	<i>8.41</i>		<i>"</i>	<i>10.0</i>		<i>84.1</i>	<i>69-130</i>				
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.78</i>		<i>"</i>	<i>10.0</i>		<i>97.8</i>	<i>81-117</i>				
<i>Surrogate: SURR:</i>	<i>9.55</i>		<i>"</i>	<i>10.0</i>		<i>95.5</i>	<i>79-122</i>				
<i>p-Bromofluorobenzene</i>											
LCS Dup (BD10104-BSD1)						Prepared & Analyzed: 04/02/2021					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		100	82-126		1.20	30	
1,1,1-Trichloroethane	9.7		"	10.0		96.9	78-136		7.74	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		10.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165		6.66	30	
1,1,2-Trichloroethane	10		"	10.0		105	82-123		9.93	30	
1,1-Dichloroethane	10		"	10.0		102	82-129		4.95	30	
1,1-Dichloroethylene	10		"	10.0		102	68-138		6.82	30	
1,2,3-Trichlorobenzene	10		"	10.0		100	40-130		8.54	30	
1,2,3-Trichloropropane	10		"	10.0		104	77-128		9.51	30	
1,2,4-Trichlorobenzene	10		"	10.0		105	65-137		4.48	30	
1,2,4-Trimethylbenzene	10		"	10.0		100	82-132		6.84	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0		90.1	45-147		11.3	30	
1,2-Dibromoethane	10		"	10.0		103	83-124		9.11	30	
1,2-Dichlorobenzene	10		"	10.0		101	79-123		2.25	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		5.35	30	
1,2-Dichloropropane	10		"	10.0		103	78-126		1.55	30	
1,3,5-Trimethylbenzene	10		"	10.0		99.8	80-131		8.45	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.0	86-130		5.94	30	
1,4-Dichlorobenzene	9.9		"	10.0		99.1	85-130		4.05	30	
1,4-Dioxane	150		"	210		73.7	10-349		32.2	30	Non-dir.
2-Butanone	9.9		"	10.0		99.3	49-152		18.5	30	
2-Hexanone	9.2		"	10.0		91.6	51-146		19.3	30	
4-Methyl-2-pentanone	9.3		"	10.0		93.3	57-145		19.7	30	
Acetone	12		"	10.0		116	14-150		20.3	30	
Acrolein	7.2		"	10.0		72.3	10-153		20.3	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BD10104 - EPA 5030B

LCS Dup (BD10104-BSD1)

Prepared & Analyzed: 04/02/2021

Acrylonitrile	12		ug/L	10.0		121	51-150		21.8	30	
Benzene	11		"	10.0		110	85-126		3.22	30	
Bromochloromethane	11		"	10.0		107	77-128		3.71	30	
Bromodichloromethane	9.6		"	10.0		96.4	79-128		1.46	30	
Bromoform	10		"	10.0		103	78-133		14.3	30	
Bromomethane	4.8		"	10.0		48.4	43-168		0.207	30	
Carbon disulfide	11		"	10.0		114	68-146		7.20	30	
Carbon tetrachloride	9.8		"	10.0		98.2	77-141		5.06	30	
Chlorobenzene	10		"	10.0		103	88-120		2.12	30	
Chloroethane	11		"	10.0		112	65-136		7.45	30	
Chloroform	10		"	10.0		104	82-128		2.00	30	
Chloromethane	13		"	10.0		130	43-155		6.84	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		4.80	30	
cis-1,3-Dichloropropylene	9.2		"	10.0		91.8	80-131		3.10	30	
Cyclohexane	8.7		"	10.0		86.7	63-149		6.58	30	
Dibromochloromethane	10		"	10.0		102	80-130		7.03	30	
Dibromomethane	10		"	10.0		101	72-134		10.7	30	
Dichlorodifluoromethane	16		"	10.0		155	44-144	High Bias	6.78	30	
Ethyl Benzene	10		"	10.0		105	80-131		5.48	30	
Hexachlorobutadiene	11		"	10.0		110	67-146		1.72	30	
Isopropylbenzene	9.7		"	10.0		97.3	76-140		10.1	30	
Methyl acetate	9.9		"	10.0		98.7	51-139		17.2	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		15.1	30	
Methylcyclohexane	10		"	10.0		104	72-143		6.48	30	
Methylene chloride	11		"	10.0		110	55-137		3.66	30	
n-Butylbenzene	10		"	10.0		100	79-132		5.43	30	
n-Propylbenzene	9.9		"	10.0		98.8	78-133		8.71	30	
o-Xylene	10		"	10.0		103	78-130		2.96	30	
p- & m- Xylenes	21		"	20.0		107	77-133		3.84	30	
p-Isopropyltoluene	10		"	10.0		102	81-136		8.61	30	
sec-Butylbenzene	10		"	10.0		103	79-137		10.2	30	
Styrene	11		"	10.0		106	67-132		0.470	30	
tert-Butyl alcohol (TBA)	41		"	50.0		82.5	25-162		28.2	30	
tert-Butylbenzene	8.4		"	10.0		84.1	77-138		8.65	30	
Tetrachloroethylene	9.8		"	10.0		98.2	82-131		7.64	30	
Toluene	10		"	10.0		101	80-127		4.84	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		6.73	30	
trans-1,3-Dichloropropylene	9.2		"	10.0		91.6	78-131		7.01	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		90.5	63-141		8.05	30	
Trichloroethylene	9.8		"	10.0		97.9	82-128		8.13	30	
Trichlorofluoromethane	11		"	10.0		109	67-139		7.05	30	
Vinyl Chloride	12		"	10.0		118	58-145		6.98	30	

Surrogate: SURRE:

9.08

"

10.0

90.8

69-130

1,2-Dichloroethane-d4

Surrogate: SURRE: Toluene-d8

9.54

"

10.0

95.4

81-117

Surrogate: SURRE:

9.31

"

10.0

93.1

79-122

p-Bromofluorobenzene



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BD10097 - EPA 3015A

Blank (BD10097-BLK1)

Prepared & Analyzed: 04/02/2021

Antimony	ND	0.028	mg/L
Arsenic	ND	0.017	"
Beryllium	ND	0.0006	"
Cadmium	ND	0.003	"
Chromium	ND	0.006	"
Copper	ND	0.022	"
Lead	ND	0.006	"
Nickel	ND	0.011	"
Selenium	ND	0.028	"
Silver	ND	0.006	"
Thallium	ND	0.028	"
Zinc	ND	0.028	"

LCS (BD10097-BS1)

Prepared & Analyzed: 04/02/2021

Antimony	0.255	ug/mL	0.250	102	80-120
Arsenic	1.82	"	2.00	91.2	80-120
Beryllium	0.048	"	0.0500	96.7	80-120
Cadmium	0.048	"	0.0500	96.4	80-120
Chromium	0.191	"	0.200	95.4	80-120
Copper	0.245	"	0.250	98.1	80-120
Lead	0.508	"	0.500	102	80-120
Nickel	0.486	"	0.500	97.2	80-120
Selenium	1.61	"	2.00	80.5	80-120
Silver	0.052	"	0.0500	105	80-120
Thallium	1.87	"	2.00	93.5	80-120
Zinc	0.474	"	0.500	94.8	80-120

Duplicate (BD10097-DUP1)

*Source sample: 21D0040-04 (Duplicate)

Prepared: 04/02/2021 Analyzed: 04/05/2021

Antimony	ND	0.028	mg/L	ND	20
Arsenic	ND	0.017	"	ND	20
Beryllium	ND	0.0006	"	ND	20
Cadmium	ND	0.003	"	ND	20
Chromium	ND	0.006	"	ND	20
Copper	ND	0.022	"	ND	20
Lead	0.027	0.006	"	0.029	9.85 20
Nickel	ND	0.011	"	ND	20
Selenium	0.043	0.028	"	0.040	6.52 20
Silver	ND	0.006	"	ND	20
Thallium	ND	0.028	"	ND	20
Zinc	0.039	0.028	"	0.042	6.57 20



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10097 - EPA 3015A											
Matrix Spike (BD10097-MS1)	*Source sample: 21D0040-04 (Matrix Spike)						Prepared: 04/02/2021 Analyzed: 04/05/2021				
Antimony	0.323	0.028	mg/L	0.278	ND	116	75-125				
Arsenic	2.23	0.017	"	2.22	ND	100	75-125				
Beryllium	0.054	0.0006	"	0.0556	ND	97.9	75-125				
Cadmium	0.055	0.003	"	0.0556	ND	98.8	75-125				
Chromium	0.213	0.006	"	0.222	ND	95.8	75-125				
Copper	0.298	0.022	"	0.278	ND	107	75-125				
Lead	0.592	0.006	"	0.556	0.029	101	75-125				
Nickel	0.564	0.011	"	0.556	ND	102	75-125				
Selenium	2.08	0.028	"	2.22	0.040	91.9	75-125				
Silver	0.059	0.006	"	0.0556	ND	106	75-125				
Thallium	2.14	0.028	"	2.22	ND	96.3	75-125				
Zinc	0.586	0.028	"	0.556	0.042	98.0	75-125				
Matrix Spike (BD10097-MS2)	*Source sample: 21D0044-03 (Matrix Spike)						Prepared: 04/02/2021 Analyzed: 04/05/2021				
Antimony	0.374	0.031	mg/L	0.312	ND	120	75-125				
Arsenic	2.62	0.019	"	2.50	ND	105	75-125				
Beryllium	0.066	0.0006	"	0.0625	ND	105	75-125				
Cadmium	0.064	0.004	"	0.0625	ND	103	75-125				
Chromium	0.262	0.006	"	0.250	0.013	99.6	75-125				
Copper	0.329	0.025	"	0.312	ND	105	75-125				
Lead	0.666	0.006	"	0.625	ND	107	75-125				
Nickel	0.654	0.012	"	0.625	ND	105	75-125				
Selenium	2.45	0.031	"	2.50	0.069	95.2	75-125				
Silver	0.068	0.006	"	0.0625	ND	109	75-125				
Thallium	2.46	0.031	"	2.50	ND	98.2	75-125				
Zinc	0.664	0.031	"	0.625	ND	106	75-125				
Post Spike (BD10097-PS1)	*Source sample: 21D0040-04 (Post Spike)						Prepared: 04/02/2021 Analyzed: 04/05/2021				
Antimony	0.308		ug/mL	0.250	0.013	118	75-125				
Arsenic	2.10		"	2.00	-0.013	105	75-125				
Beryllium	0.052		"	0.0500	-0.0007	105	75-125				
Cadmium	0.051		"	0.0500	0.00005	103	75-125				
Chromium	0.205		"	0.200	0.005	100	75-125				
Copper	0.289		"	0.250	0.017	109	75-125				
Lead	0.557		"	0.500	0.026	106	75-125				
Nickel	0.535		"	0.500	-0.006	107	75-125				
Silver	0.016		"	0.0500	0.002	29.3	75-125	Low Bias			
Thallium	2.01		"	2.00	-0.016	101	75-125				
Zinc	0.560		"	0.500	0.038	105	75-125				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BD10096 - EPA 3015A

Blank (BD10096-BLK1)

Prepared & Analyzed: 04/02/2021

Antimony - Dissolved	ND	1.11	ug/L
Arsenic - Dissolved	ND	1.11	"
Beryllium - Dissolved	ND	0.333	"
Cadmium - Dissolved	ND	0.556	"
Chromium - Dissolved	ND	1.11	"
Copper - Dissolved	ND	1.11	"
Lead - Dissolved	ND	1.11	"
Nickel - Dissolved	ND	1.11	"
Selenium - Dissolved	ND	1.11	"
Silver - Dissolved	ND	1.11	"
Thallium - Dissolved	ND	1.11	"
Zinc - Dissolved	ND	1.11	"

LCS (BD10096-BS1)

Prepared & Analyzed: 04/02/2021

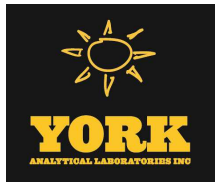
Antimony - Dissolved	0.246	ug/L	250	0.0982	80-120	Low Bias
Arsenic - Dissolved	1.70	"	2000	0.0851	80-120	Low Bias
Beryllium - Dissolved	0.046	"	50.0	0.0917	80-120	Low Bias
Cadmium - Dissolved	0.046	"	50.0	0.0910	80-120	Low Bias
Chromium - Dissolved	0.191	"	200	0.0955	80-120	Low Bias
Copper - Dissolved	0.239	"	250	0.0957	80-120	Low Bias
Lead - Dissolved	0.474	"	500	0.0948	80-120	Low Bias
Nickel - Dissolved	0.465	"	500	0.0929	80-120	Low Bias
Selenium - Dissolved	1.50	"	2000	0.0752	80-120	Low Bias
Silver - Dissolved	0.050	"	50.0	0.101	80-120	Low Bias
Thallium - Dissolved	1.80	"	2000	0.0901	80-120	Low Bias
Zinc - Dissolved	0.431	"	500	0.0863	80-120	Low Bias

Duplicate (BD10096-DUP1)

*Source sample: 21C1294-05 (KC-MW-DUP 0321)

Prepared & Analyzed: 04/02/2021

Antimony - Dissolved	ND	1.11	ug/L	ND	20
Arsenic - Dissolved	ND	1.11	"	ND	20
Beryllium - Dissolved	ND	0.333	"	ND	20
Cadmium - Dissolved	ND	0.556	"	ND	20
Chromium - Dissolved	ND	1.11	"	ND	20
Copper - Dissolved	ND	1.11	"	ND	20
Lead - Dissolved	ND	1.11	"	ND	20
Nickel - Dissolved	ND	1.11	"	ND	20
Selenium - Dissolved	ND	1.11	"	ND	20
Silver - Dissolved	ND	1.11	"	ND	20
Thallium - Dissolved	ND	1.11	"	ND	20
Zinc - Dissolved	ND	1.11	"	ND	20



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD10096 - EPA 3015A

Matrix Spike (BD10096-MS1)		*Source sample: 21C1294-05 (KC-MW-DUP 0321)						Prepared & Analyzed: 04/02/2021			
Antimony - Dissolved	ND	1.11	ug/L	278	ND		75-125	Low Bias			
Arsenic - Dissolved	2.07	1.11	"	2220	ND	0.0934	75-125	Low Bias			
Beryllium - Dissolved	ND	0.333	"	55.6	ND		75-125	Low Bias			
Cadmium - Dissolved	ND	0.556	"	55.6	ND		75-125	Low Bias			
Chromium - Dissolved	ND	1.11	"	222	ND		75-125	Low Bias			
Copper - Dissolved	ND	1.11	"	278	ND		75-125	Low Bias			
Lead - Dissolved	ND	1.11	"	556	ND		75-125	Low Bias			
Nickel - Dissolved	ND	1.11	"	556	ND		75-125	Low Bias			
Selenium - Dissolved	1.93	1.11	"	2220	ND	0.0870	75-125	Low Bias			
Silver - Dissolved	ND	1.11	"	55.6	ND		75-125	Low Bias			
Thallium - Dissolved	2.05	1.11	"	2220	ND	0.0921	75-125	Low Bias			
Zinc - Dissolved	ND	1.11	"	556	ND		75-125	Low Bias			

Post Spike (BD10096-PS1)		*Source sample: 21C1294-05 (KC-MW-DUP 0321)						Prepared & Analyzed: 04/02/2021			
Antimony - Dissolved	0.255		ug/L	250	-0.002	0.102	75-125	Low Bias			
Arsenic - Dissolved	1.84		"	2000	-0.003	0.0921	75-125	Low Bias			
Beryllium - Dissolved	0.047		"	50.0	0.0003	0.0935	75-125	Low Bias			
Cadmium - Dissolved	0.071		"	50.0	0.026	0.0894	75-125	Low Bias			
Chromium - Dissolved	0.187		"	200	0.004	0.0913	75-125	Low Bias			
Copper - Dissolved	0.263		"	250	0.007	0.103	75-125	Low Bias			
Lead - Dissolved	0.471		"	500	-0.002	0.0941	75-125	Low Bias			
Nickel - Dissolved	0.756		"	500	0.267	0.0977	75-125	Low Bias			
Silver - Dissolved	0.014		"	50.0	-0.001	0.0280	75-125	Low Bias			
Thallium - Dissolved	1.81		"	2000	-0.052	0.0907	75-125	Low Bias			
Zinc - Dissolved	0.475		"	500	0.040	0.0871	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11825 - EPA SW846-7470A											
Blank (BC11825-BLK1)						Prepared & Analyzed: 03/30/2021					
Mercury	ND	0.0002	mg/L								
LCS (BC11825-BS1)						Prepared & Analyzed: 03/30/2021					
Mercury	0.001860	0.0002	mg/L	0.00200		93.0	80-120				
LCS (BC11825-BS2)						Prepared & Analyzed: 03/30/2021					
Mercury	0.002170	0.0002	mg/L	0.00200		109	80-120				
Batch BC11826 - EPA SW846-7470A											
Blank (BC11826-BLK1)						Prepared & Analyzed: 03/30/2021					
Mercury - Dissolved	ND	0.0002000	mg/L								
LCS (BC11826-BS1)						Prepared & Analyzed: 03/30/2021					
Mercury - Dissolved	0.002010	0.0002000	mg/L	0.00200		101	80-120				
Duplicate (BC11826-DUP1)						Prepared & Analyzed: 03/30/2021					
*Source sample: 21C1416-10 (Duplicate)											
Mercury - Dissolved	ND	0.0002000	mg/L		ND					20	
Matrix Spike (BC11826-MS1)						Prepared & Analyzed: 03/30/2021					
*Source sample: 21C1416-10 (Matrix Spike)											
Mercury - Dissolved	0.002215	0.0002000	mg/L	0.00200	ND	111	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C1294-01	KC-MW-01 0321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C1294-02	KC-MW-02 0321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C1294-03	KC-MW-05 0321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C1294-04	KC-MW-07 0321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C1294-05	KC-MW-DUP 0321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C1294-06	TRIP BLANK 0321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Laboratory Chain-of-Custody Record

York Project (SDG) No.: 21C1294

Samples Received: 03/26/2021 14:55 By: Terri Gale Logged In: 03/26/2021 13:08 By: Kristina M. Blocker

Sample Conditions:

☐ Custody Seals	☒ Chain of Custody Form Received
☒ Containers Intact	☒ Appropriate Sample Volumes Received
☒ COC/Labels Agree	☒ Appropriate Sample Containers Submitted
☒ Preservation Confirmed	☒ Samples Submitted within Holding Times
☒ Cooler Temperature Confirmed	☐ Corrective Action Form Required
☒ COC Complete	

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
21C1294-01	EPA 3015A	04/02/2021 9:12	04/02/2021 9:12	Avery Liotta-Henderson
21C1294-02	EPA 3015A	04/02/2021 9:17	04/02/2021 9:17	Avery Liotta-Henderson
21C1294-03	EPA 3015A	04/02/2021 9:17	04/02/2021 9:17	Avery Liotta-Henderson
21C1294-05	EPA 3015A	04/02/2021 9:12	04/02/2021 9:12	Avery Liotta-Henderson
21C1294-01	EPA 5030B	03/30/2021 17:21	03/30/2021 17:21	Kerun Hardeo
21C1294-01RE1	EPA 5030B	04/01/2021 6:47	04/01/2021 6:47	Moirá Delaney
21C1294-02	EPA 5030B	04/02/2021 6:47	04/02/2021 6:47	Kerun Hardeo
21C1294-03	EPA 5030B	03/30/2021 17:21	03/30/2021 17:21	Kerun Hardeo
21C1294-04	EPA 5030B	03/30/2021 17:21	03/30/2021 17:21	Kerun Hardeo
21C1294-05	EPA 5030B	03/30/2021 17:21	03/30/2021 17:21	Kerun Hardeo
21C1294-05RE1	EPA 5030B	04/01/2021 6:47	04/01/2021 6:47	Moirá Delaney
21C1294-06	EPA 5030B	03/30/2021 17:21	03/30/2021 17:21	Kerun Hardeo
21C1294-01	EPA SW846-7470A	03/30/2021 20:24	03/30/2021 20:24	Ali Akbar
21C1294-02	EPA SW846-7470A	03/30/2021 20:22	03/30/2021 20:22	Ali Akbar
21C1294-03	EPA SW846-7470A	03/30/2021 20:22	03/30/2021 20:22	Ali Akbar
21C1294-05	EPA SW846-7470A	03/30/2021 20:24	03/30/2021 20:24	Ali Akbar

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
21C1294-02	Mercury by 7470/7471	03/30/2021 20:22	03/30/2021 20:22	Ali Akbar
21C1294-03	Mercury by 7470/7471	03/30/2021 20:22	03/30/2021 20:22	Ali Akbar
21C1294-01	Mercury, Dissolved (field filtered)	03/30/2021 20:24	03/30/2021 20:24	Ali Akbar
21C1294-05	Mercury, Dissolved (field filtered)	03/30/2021 20:24	03/30/2021 20:24	Ali Akbar
21C1294-02	Metals, Priority Pollutant	04/02/2021 9:17	04/02/2021 13:26	William J Midolo



Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
21C1294-03	Metals, Priority Pollutant	04/02/2021 9:17	04/02/2021 13:29	William J Midolo
21C1294-01	Metals, Priority Pollutants Dissolved-l	04/02/2021 9:12	04/02/2021 15:32	William J Midolo
21C1294-05	Metals, Priority Pollutants Dissolved-l	04/02/2021 9:12	04/02/2021 15:35	William J Midolo
21C1294-01	Volatile Organics, 8260 - Comprehens	03/30/2021 17:21	03/31/2021 0:02	Maira Delaney
21C1294-01RE1	Volatile Organics, 8260 - Comprehens	04/01/2021 6:47	04/01/2021 13:24	Maira Delaney
21C1294-02	Volatile Organics, 8260 - Comprehens	04/02/2021 6:47	04/02/2021 12:34	Maira Delaney
21C1294-03	Volatile Organics, 8260 - Comprehens	03/30/2021 17:21	03/31/2021 0:54	Maira Delaney
21C1294-04	Volatile Organics, 8260 - Comprehens	03/30/2021 17:21	03/31/2021 1:20	Maira Delaney
21C1294-05	Volatile Organics, 8260 - Comprehens	03/30/2021 17:21	03/31/2021 1:46	Maira Delaney
21C1294-05RE1	Volatile Organics, 8260 - Comprehens	04/01/2021 6:47	04/01/2021 13:50	Maira Delaney
21C1294-06	Volatile Organics, 8260 - Comprehens	03/30/2021 17:21	03/30/2021 23:36	Maira Delaney



YORK
ANALYTICAL LABORATORIES INC.

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www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.		Page 1 of 1	
YORK Project No.		21C1294	
YOUR Information		Report To:	
Company:	CHAZEN	Company:	CHAZEN
Address:		Address:	
Phone:		Phone:	
Contact:	ERIC ORLOWSKI	Contact:	ERIC ORLOWSKI
E-mail:		E-mail:	
Invoice To:		YOUR Project Number	
Company:	CHAZEN	41103,20	
Address:		YOUR Project Name	
Phone:		KINGSTON CVS - ANNUAL	
Contact:	ACCTS PAYABLE	YOUR PO#: 08390	
E-mail:			
Report To:		Report / EDD Type (circle selections)	
Company:	CHAZEN	Summary Report	CT RCP
Address:		QA Report	CT RCP DQA/DUE
Phone:		NY ASP A Package	Standard Excel EDD
Contact:	ERIC ORLOWSKI	NY ASP B Package	EQUIS (Standard)
E-mail:		Other:	NYSDCE EQUIS
Matrix Codes		Analysis Requested	
S - soil / solid		8260 VOCs, Priority Pollutant Metals (Dissolved)	
GW - groundwater			
DW - drinking water			
WW - wastewater			
O - Oil ; Other			
Sample Identification		Container Description	
KC-MW-01 0321		3 x 40mL, 1 x 250mL	
KC-MW-02 0321			
KC-MW-05 0321			
KC-MW-07 0321			
KC-MW-DUP 0321			
TRIP BLANK 0321			
Turn-Around Time		Special Instruction	
RUSH - Next Day		Field Filtered ☒ Lab to Filter ☐	
RUSH - Two Day		Date/Time 3-26-21 1455	
RUSH - Three Day		Date/Time	
RUSH - Four Day		Date/Time	
Standard (5-7 Day)		Date/Time	
Comments:		Preservation: (check all that apply)	
		HCl ☒ MeOH ☒ HNO ₃ ☒ H ₂ SO ₄ ☒ NaOH ☐ ZnAc ☐	
		Ascorbic Acid ☐ Other: 4°C	
Samples Relinquished by / Company		Samples Relinquished by / Company	
Eric Orlovski / CHAZEN	3/26/2021 0800	Chaz C	3-26-21 1455
Chaz C	3-26-21 11:50		
Samples Received by / Company		Samples Received in LAB by	
		Chaz C	3/26/2021 1455
Temp. Received at Lab		Temp. Received at Lab	
		1.1	

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 21C1294

CLASS: VOA

METHOD: EPA 8260C

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 21C1294

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 KINGSTON CVS - ANNUAL

Client Sample Id:

KC-MW-01 0321

KC-MW-01 0321

KC-MW-02 0321

KC-MW-05 0321

KC-MW-07 0321

KC-MW-DUP 0321

KC-MW-DUP 0321

TRIP BLANK 0321

Lab Sample Id:

21C1294-01

21C1294-01RE1

21C1294-02

21C1294-03

21C1294-04

21C1294-05

21C1294-05RE1

21C1294-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

4/7/2021

Title:

Laboratory Director

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

KC-MW-01 0321

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-01 File ID: QV916704.D
 Sampled: 03/25/21 15:00 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 00:02
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	31	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.43	J
75-34-3	1,1-Dichloroethane	1	15	
75-35-4	1,1-Dichloroethylene	1	100	
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.82	
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-01 File ID: QV916704.D
 Sampled: 03/25/21 15:00 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 00:02
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.28	J
108-88-3	Toluene	1	1.2	
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.03	90.3	69 - 130	
SURR: Toluene-d8	10.0	9.58	95.8	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.88	98.8	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
Matrix: Water Laboratory ID: 21C1294-01RE1 File ID: QV916749.D
Sampled: 03/25/21 15:00 Prepared: 04/01/21 06:47 Analyzed: 04/01/21 13:24
Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Batch: BD10031 Sequence: Y1D0222 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
156-59-2	cis-1,2-Dichloroethylene	200	25000	D
156-60-5	trans-1,2-Dichloroethylene	200	770	D
79-01-6	Trichloroethylene	200	23000	D
75-01-4	Vinyl Chloride	200	4500	D

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-02 File ID: QV916771.D
 Sampled: 03/25/21 12:07 Prepared: 04/02/21 06:47 Analyzed: 04/02/21 12:34
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BD10104 Sequence: Y1D0224 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.56	JB
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.20	J
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-02 File ID: QV916771.D
 Sampled: 03/25/21 12:07 Prepared: 04/02/21 06:47 Analyzed: 04/02/21 12:34
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BD10104 Sequence: Y1D0224 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.21	J
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	8.98	89.8	69 - 130	
SURR: Toluene-d8	10.0	9.84	98.4	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.30	93.0	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-03 File ID: QV916706.D
 Sampled: 03/25/21 11:05 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 00:54
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.56	
75-35-4	1,1-Dichloroethylene	1	0.62	
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.80	
156-59-2	cis-1,2-Dichloroethylene	1	37	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-03 File ID: QV916706.D
 Sampled: 03/25/21 11:05 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 00:54
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.62	
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	71	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.28	J
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	8.98	89.8	69 - 130	
SURR: Toluene-d8	10.0	9.85	98.5	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-04 File ID: QV916707.D
 Sampled: 03/25/21 13:59 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 01:20
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	3.8	
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	1.8	J
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	10	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-04 File ID: QV916707.D
 Sampled: 03/25/21 13:59 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 01:20
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.44	J
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	36	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.48	J
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.19	91.9	69 - 130	
SURR: Toluene-d8	10.0	9.79	97.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.86	98.6	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-05 File ID: QV916708.D
 Sampled: 03/25/21 15:00 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 01:46
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.29	J
75-34-3	1,1-Dichloroethane	1	16	
75-35-4	1,1-Dichloroethylene	1	100	
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.78	
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.21	J
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-05 File ID: QV916708.D
 Sampled: 03/25/21 15:00 Prepared: 03/30/21 17:21 Analyzed: 03/31/21 01:46
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.30	J
108-88-3	Toluene	1	1.2	
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.06	90.6	69 - 130	
SURR: Toluene-d8	10.0	9.70	97.0	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.91	99.1	79 - 122	

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
Matrix: Water Laboratory ID: 21C1294-05RE1 File ID: QV916750.D
Sampled: 03/25/21 15:00 Prepared: 04/01/21 06:47 Analyzed: 04/01/21 13:50
Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Batch: BD10031 Sequence: Y1D0222 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
156-59-2	cis-1,2-Dichloroethylene	200	23000	D
156-60-5	trans-1,2-Dichloroethylene	200	730	D
79-01-6	Trichloroethylene	200	21000	D
75-01-4	Vinyl Chloride	200	4100	D

* Values outside of QC limits

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-06 File ID: QV916703.D
 Sampled: 03/25/21 09:00 Prepared: 03/30/21 17:21 Analyzed: 03/30/21 23:36
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	1.5	B
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	3.6	
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

Laboratory: York Analytical Laboratories, Inc. SDG: 21C1294
 Client: Chazen Environmental Services (Poughkeepsie) Project: 41103.20 KINGSTON CVS - ANNUAL
 Matrix: Water Laboratory ID: 21C1294-06 File ID: QV916703.D
 Sampled: 03/25/21 09:00 Prepared: 03/30/21 17:21 Analyzed: 03/30/21 23:36
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BC11818 Sequence: Y1D0221 Calibration: YA10003 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.53	95.3	69 - 130	
SURR: Toluene-d8	10.0	9.63	96.3	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.80	98.0	79 - 122	

* Values outside of QC limits

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 21C1294

CLASS: METALS

METHOD: EPA 6010D

DATA PACKAGE COVER PAGE

EPA 6010D

Laboratory: York Analytical Laboratories, Inc.

SDG: 21C1294

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 KINGSTON CVS - ANNUAL

Client Sample Id:

KC-MW-02 0321

KC-MW-05 0321

Lab Sample Id:

21C1294-02

21C1294-03

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

4/7/2021

Title:

Laboratory Director

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-02File ID: QBI040221ARE 1-094Sampled: 03/25/21 12:07Prepared: 04/02/21 09:17Analyzed: 04/02/21 13:26Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BD10097Sequence: Y1D0219Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7440-36-0	Antimony	0.028	1	U	EPA 6010D
7440-38-2	Arsenic	0.017	1	U	EPA 6010D
7440-41-7	Beryllium	0.0006	1	U	EPA 6010D
7440-43-9	Cadmium	0.003	1	U	EPA 6010D
7440-47-3	Chromium	0.006	1	U	EPA 6010D
7440-50-8	Copper	0.022	1	U	EPA 6010D
7439-92-1	Lead	0.012	1		EPA 6010D
7440-02-0	Nickel	0.011	1	U	EPA 6010D
7782-49-2	Selenium	0.028	1	U	EPA 6010D
7440-22-4	Silver	0.006	1	U	EPA 6010D
7440-28-0	Thallium	0.028	1	U	EPA 6010D
7440-66-6	Zinc	0.028	1	U	EPA 6010D

EPA 6010D

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-03File ID: QBI040221ARE_1-095Sampled: 03/25/21 11:05Prepared: 04/02/21 09:17Analyzed: 04/02/21 13:29Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BD10097Sequence: Y1D0219Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7440-36-0	Antimony	0.028	1	U	EPA 6010D
7440-38-2	Arsenic	0.017	1	U	EPA 6010D
7440-41-7	Beryllium	0.0006	1	U	EPA 6010D
7440-43-9	Cadmium	0.003	1	U	EPA 6010D
7440-47-3	Chromium	0.006	1	U	EPA 6010D
7440-50-8	Copper	0.022	1	U	EPA 6010D
7439-92-1	Lead	0.007	1		EPA 6010D
7440-02-0	Nickel	0.011	1	U	EPA 6010D
7782-49-2	Selenium	0.070	1		EPA 6010D
7440-22-4	Silver	0.006	1	U	EPA 6010D
7440-28-0	Thallium	0.028	1	U	EPA 6010D
7440-66-6	Zinc	0.028	1	U	EPA 6010D

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 21C1294

CLASS: METALS

METHOD: EPA 6020B

DATA PACKAGE COVER PAGE

EPA 6020B

Laboratory: York Analytical Laboratories, Inc.

SDG: 21C1294

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 KINGSTON CVS - ANNUAL

Client Sample Id:

KC-MW-01 0321

KC-MW-DUP 0321

Lab Sample Id:

21C1294-01

21C1294-05

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

4/7/2021

Title:

Laboratory Director

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-01File ID: QBI040221ARE 1-132Sampled: 03/25/21 15:00Prepared: 04/02/21 09:12Analyzed: 04/02/21 15:32Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BD10096Sequence: Y1D0232Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	Method
7440-36-0	Antimony (dissolved)	1.11	1	U	EPA 6020B
7440-38-2	Arsenic (dissolved)	1.11	1	U	EPA 6020B
7440-41-7	Beryllium (dissolved)	0.333	1	U	EPA 6020B
7440-43-9	Cadmium (dissolved)	0.556	1	U	EPA 6020B
7440-47-3	Chromium (dissolved)	1.11	1	U	EPA 6020B
7440-50-8	Copper (dissolved)	1.11	1	U	EPA 6020B
7439-92-1	Lead (dissolved)	1.11	1	U	EPA 6020B
7440-02-0	Nickel (dissolved)	1.11	1	U	EPA 6020B
7782-49-2	Selenium (dissolved)	1.11	1	U	EPA 6020B
7440-22-4	Silver (dissolved)	1.11	1	U	EPA 6020B
7440-28-0	Thallium (dissolved)	1.11	1	U	EPA 6020B
7440-66-6	Zinc (dissolved)	1.11	1	U	EPA 6020B

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-05File ID: QBI040221ARE_1-133Sampled: 03/25/21 15:00Prepared: 04/02/21 09:12Analyzed: 04/02/21 15:35Solids: 0.00Preparation: EPA 3015AInitial/Final: 45 mL / 50 mLBatch: BD10096Sequence: Y1D0232Calibration: UNASSIGNEDInstrument: WinLabICP

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	Method
7440-36-0	Antimony (dissolved)	1.11	1	U	EPA 6020B
7440-38-2	Arsenic (dissolved)	1.11	1	U	EPA 6020B
7440-41-7	Beryllium (dissolved)	0.333	1	U	EPA 6020B
7440-43-9	Cadmium (dissolved)	0.556	1	U	EPA 6020B
7440-47-3	Chromium (dissolved)	1.11	1	U	EPA 6020B
7440-50-8	Copper (dissolved)	1.11	1	U	EPA 6020B
7439-92-1	Lead (dissolved)	1.11	1	U	EPA 6020B
7440-02-0	Nickel (dissolved)	1.11	1	U	EPA 6020B
7782-49-2	Selenium (dissolved)	1.11	1	U	EPA 6020B
7440-22-4	Silver (dissolved)	1.11	1	U	EPA 6020B
7440-28-0	Thallium (dissolved)	1.11	1	U	EPA 6020B
7440-66-6	Zinc (dissolved)	1.11	1	U	EPA 6020B

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 21C1294

CLASS: HG

METHOD: EPA 7470

DATA PACKAGE COVER PAGE

EPA 7470

Laboratory: York Analytical Laboratories, Inc.

SDG: 21C1294

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 KINGSTON CVS - ANNUAL

Client Sample Id:

KC-MW-02 0321

KC-MW-05 0321

Lab Sample Id:

21C1294-02

21C1294-03

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

4/7/2021

Title:

Laboratory Director

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-02File ID: QBHg03312021A-018Sampled: 03/25/21 12:07Prepared: 03/30/21 20:22Analyzed: 03/30/21 20:22Solids: 0.00Preparation: EPA SW846-7470AInitial/Final: 100 mL / 100 mLBatch: BC11825

Sequence:

Calibration:

Instrument: Buck 410

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	1	U	EPA 7470

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-03File ID: QBHg03312021A-019Sampled: 03/25/21 11:05Prepared: 03/30/21 20:22Analyzed: 03/30/21 20:22Solids: 0.00Preparation: EPA SW846-7470AInitial/Final: 100 mL / 100 mLBatch: BC11825

Sequence:

Calibration:

Instrument: Buck 410

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	1	U	EPA 7470

York Analytical Laboratories, Inc.

ASP A Deliverable

SDG: 21C1294

CLASS: HG

METHOD: EPA 7473

DATA PACKAGE COVER PAGE

EPA 7473

Laboratory: York Analytical Laboratories, Inc.

SDG: 21C1294

Client: Chazen Environmental Services (Poughkeepsie)

Project: 41103.20 KINGSTON CVS - ANNUAL

Client Sample Id:

KC-MW-01 0321

KC-MW-DUP 0321

Lab Sample Id:

21C1294-01

21C1294-05

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

4/7/2021

Title:

Laboratory Director

Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-01File ID: QBHg03312021A-030Sampled: 03/25/21 15:00Prepared: 03/30/21 20:24Analyzed: 03/30/21 20:24Solids: 0.00Preparation: EPA SW846-7470AInitial/Final: 100 mL / 100 mLBatch: BC11826

Sequence:

Calibration:

Instrument: Buck 410

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury (dissolved)	0.0002000	1	U	EPA 7473

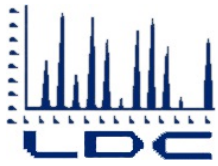
Laboratory: York Analytical Laboratories, Inc.SDG: 21C1294Client: Chazen Environmental Services (Poughkeepsie)Project: 41103.20 KINGSTON CVS - ANNUALMatrix: WaterLaboratory ID: 21C1294-05File ID: QBHg03312021A-031Sampled: 03/25/21 15:00Prepared: 03/30/21 20:24Analyzed: 03/30/21 20:24Solids: 0.00Preparation: EPA SW846-7470AInitial/Final: 100 mL / 100 mLBatch: BC11826

Sequence:

Calibration:

Instrument: Buck 410

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-97-6	Mercury (dissolved)	0.0002000	1	U	EPA 7473



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

The Chazen Companies
21 Fox Street
Poughkeepsie, NY 12601
ATTN: Mr. Eric Orlowski
eorlowski@chazencompanies.com

May 11, 2021

SUBJECT: Former Utility Platers/Kingston Diagnostics, Validation Report

Dear Mr. Orlowski,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on April 12, 2021. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #50833:

<u>SDG #</u>	<u>Fraction</u>
21C1294	Volatiles, Metals

The data validation was performed under Level II guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review; January 2017
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review; January 2017
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
crink@lab-data.com
Project Manager/Senior Chemist

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Former Utility Platers/Kingston Diagnostics

LDC Report Date: May 11, 2021

Parameters: Volatiles

Validation Level: Level II

Laboratory: York Analytical Laboratories, Inc.

Sample Delivery Group (SDG): 21C1294

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
KC-MW-01-0321	21C1294-01	Water	03/25/21
KC-MW-02-0321	21C1294-02	Water	03/25/21
KC-MW-05-0321	21C1294-03	Water	03/25/21
KC-MW-07-0321	21C1294-04	Water	03/25/21
KC-MW-DUP-0321	21C1294-05	Water	03/25/21
TRIP BLANK 0321	21C1294-06	Water	03/25/21

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance check data were not reviewed for Level II validation.

III. Initial Calibration and Initial Calibration Verification

Initial calibration data were not reviewed for Level II validation.

IV. Continuing Calibration

Continuing calibration data were not reviewed for Level II validation.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analysis Date	Compound	Concentration	Associated Samples
BC11818-BLK1	03/30/21	2-Butanone	0.23 ug/L	KC-MW-01-0321 KC-MW-05-0321 KC-MW-07-0321 KC-MW-DUP-0321 TRIP BLANK 0321
BD10104-BLK1	04/02/21	2-Butanone Methylene chloride	0.57 ug/L 1.7 ug/L	KC-MW-02-0321

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
TRIP BLANK 0321	2-Butanone	1.5 ug/L	1.5U ug/L
KC-MW-02-0321	2-Butanone	0.56 ug/L	2.0U ug/L

VI. Field Blanks

Sample TRIP BLANK 0321 was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Compound	Concentration	Associated Samples
TRIP BLANK 0321	03/25/21	2-Butanone Acetone	1.5 ug/L 3.6 ug/L	KC-MW-01-0321 KC-MW-02-0321 KC-MW-05-0321 KC-MW-07-0321 KC-MW-DUP-0321

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
KC-MW-02-0321	2-Butanone	0.56 ug/L	2.0U ug/L
KC-MW-07-0321	Acetone	1.8 ug/L	2.0U ug/L

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
BC11818-BS1/BS1 (KC-MW-01-0321 KC-MW-05-0321 KC-MW-07-0321 KC-MW-DUP-0321 TRIP BLANK 0321)	Dichlorodifluoromethane	166 (44-144)	152 (44-144)	NA	-
BD10104-BS1/BS1 (KC-MW-02-0321)	Dichlorodifluoromethane	166 (44-144)	155 (44-144)	NA	-

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
BD10104-BS1/BS1 (KC-MW-02-0321)	1,4-Dioxane	32.2 (≤30)	NA	-

X. Field Duplicates

Samples KC-MW-01-0321 and KC-MW-DUP-0321 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	KC-MW-01-0321	KC-MW-DUP-0321	
1,1,1-Trichloroethane	31	0.50U	Not calculable
1,1,2-Trichloroethane	0.43	0.29	39
1,1-Dichloroethane	15	16	6
1,1-Dichloroethene	100	100	0
Benzene	0.82	0.78	5
Carbon disulfide	0.50U	0.21	Not calculable
Tetrachloroethene	0.28	0.30	7
Toluene	1.2	1.2	0
cis-1,2-Dichloroethene	25000	23000	8
trans-1,2-Dichloroethene	770	730	5

Compound	Concentration (ug/L)		RPD
	KC-MW-01-0321	KC-MW-DUP-0321	
Trichloroethene	23000	21000	9
Vinyl chloride	4500	4100	9

XI. Internal Standards

Internal standards data were not reviewed for Level II validation.

XII. Compound Quantitation

Raw data were not reviewed for Level II validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Level II validation.

XIV. System Performance

Raw data were not reviewed for Level II validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to laboratory blank contamination, data were qualified as not detected in two samples.

Due to trip blank contamination, data were qualified as not detected in two samples.

No results were rejected in this SDG.

Former Utility Platers/Kingston Diagnostics
Volatiles - Data Qualification Summary - SDG 21C1294

No Sample Data Qualified in this SDG

Former Utility Platers/Kingston Diagnostics
Volatiles - Laboratory Blank Data Qualification Summary - SDG 21C1294

Sample	Compound	Modified Final Concentration	A or P
TRIP BLANK 0321	2-Butanone	1.5U ug/L	A
KC-MW-02-0321	2-Butanone	2.0U ug/L	A

Former Utility Platers/Kingston Diagnostics
Volatiles - Field Blank Data Qualification Summary - SDG 21C1294

Sample	Compound	Modified Final Concentration	A or P
KC-MW-02-0321	2-Butanone	2.0U ug/L	A
KC-MW-07-0321	Acetone	2.0U ug/L	A

LDC #: 50833A1a

VALIDATION COMPLETENESS WORKSHEET

SDG #: 20C1294

Category B

Laboratory: York Analytical Laboratories, Inc.

Date: 04/27/21

Page: 1 of 1

Reviewer: ML2nd Reviewer: ML

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	N	
III.	Initial calibration/ICV	N/N	
IV.	Continuing calibration	N	
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	TB = 6
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	(non-client)
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	SW	D = 1/5
XI.	Internal standards	N	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	^{1/2} KC-MW-01-0321	21C1294-01	Water	03/25/21
2	³ KC-MW-02-0321	21C1294-02	Water	03/25/21
3	¹ KC-MW-05-0321	21C1294-03	Water	03/25/21
4	¹ KC-MW-07-0321	21C1294-04	Water	03/25/21
5	^{1/2} KC-MW-DUP-0321	21C1294-05	Water	03/25/21
6	¹ TRIP BLANK 0321	21C1294-06	Water	03/25/21
7	^B			
8				
9				

Notes:

1	BC11818 - Bk 1				
2	BD10031 -		(AAA, PPP, S, C only)		
3	BD10104 -				

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 50833 A1A

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1BlanksReviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

☒ Y ☐ N ☐ N/A

Was a method blank associated with every sample in this SDG?

☒ Y ☐ N ☐ N/A

Was a method blank analyzed at least once every 12 hours for each matrix and concentration?

☒ Y ☐ N ☐ N/A

Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 03/30/21Conc. units: ug/LAssociated Samples: 1, 3-6

Compound	Blank ID	Sample Identification							
	BC11818-Blk1 (10x)		6						
M	0.23	2.3	1.5/2.0u						

Blank analysis date: 04/02/21Conc. units: ug/LAssociated Samples: 2

Compound	Blank ID	Sample Identification							
	BD10104-Blk1		2						
M	0.57		0.56/2.0u						
E	1.7								

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated blank concentration were qualified as not detected, "U". Other contaminants within five times the blank concentration were also qualified as not detected, "U".

LDC #: 50833 A1a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Field BlanksReviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

☒ N N/A Were field blanks identified in this SDG?☒ N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/LSampling date: 03/25/21Field blank type: (circle one) Field Blank / Rinsate ☒ Trip Blank / Other: _____Associated Samples: 1-5

Compound	Blank ID	Sample Identification							
	6		2	4					
M	1.5		0.56/2.0U						
F	3.6			1.8/2.0U					

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____

Associated Samples: _____

Compound	Blank ID	Sample Identification							

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 50833 A1a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y (N) N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

[illegible]

VALIDATION FINDINGS WORKSHEET
Field Duplicates**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)

Compound	Concentration (ug/L)		RPD
	1	5	
N	31	0.50U	NC
U	0.43	0.29	39
I	15	16	6
H	100	100	0
V	0.82	0.78	5
G	0.50U	0.21	NC
AA	0.28	0.30	7
CC	1.2	1.2	0
QQQ	25000	23000	8
PPP	770	730	5
S	23000	21000	9
C	4500	4100	9

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Former Utility Platers/Kingston Diagnostics

LDC Report Date: May 11, 2021

Parameters: Metals

Validation Level: Level II

Laboratory: York Analytical Laboratories, Inc.

Sample Delivery Group (SDG): 21C1294

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
KC-MW-02-0321	21C1294-02	Water	03/25/21
KC-MW-05-0321	21C1294-03	Water	03/25/21
KC-MW-01-0321F	21C1294-01F	Water	03/25/21
KC-MW-DUP-0321F	21C1294-05F	Water	03/25/21
KC-MW-DUP-0321MS	21C1294-05MS	Water	03/25/21
KC-MW-DUP-0321DUP	21C1294-05DUP	Water	03/25/21

Samples appended with "F" were analyzed for dissolved metals

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with a modified outline of the USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, and Zinc by Environmental Protection Agency (EPA) SW 846 Methods 6010D/6020B

Mercury by EPA SW 846 Methods 7470A/7473

All sample results were subjected to Level II data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

ICP-MS tune data were not reviewed for Level II validation.

III. Instrument Calibration

Instrument calibration data were not reviewed for Level II validation.

IV. ICP Interference Check Sample Analysis

ICP Interference check sample (ICS) analysis data were not reviewed for Level II validation.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	%R (Limits)	Flag	A or P
KC-MW-DUP-0321MS (KC-MW-01-0321F KC-MW-DUP-0321F)	Antimony	10.4 (75-125)	R (all non-detects)	A

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Serial Dilution

Serial dilution was not performed for this SDG.

X. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
BD10096-0BS1	Selenium	75.2 (80-120)	KC-MW-01-0321F KC-MW-DUP-0321F	UJ (all non-detects)	P

XI. Field Duplicates

Samples KC-MW-01-0321F and KC-MW-DUP-0321F were identified as field duplicates. No results were detected in any of the samples.

XII. Internal Standards (ICP-MS)

Internal standards data were not reviewed for Level II validation.

XIII. Sample Result Verification

Raw data were not reviewed for Level II validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the methods.

Due to MS %R, data were rejected in two samples.

Due to LCS %R, data were qualified as estimated in two samples.

**Former Utility Platers/Kingston Diagnostics
Metals - Data Qualification Summary - SDG 21C1294**

Sample	Analyte	Flag	A or P	Reason
KC-MW-01-0321F KC-MW-DUP-0321F	Antimony	R (all non-detects)	A	Matrix spike (%R)
KC-MW-01-0321F KC-MW-DUP-0321F	Selenium	UJ (all non-detects)	P	Laboratory control samples (%R)

**Former Utility Platers/Kingston Diagnostics
Metals - Laboratory Blank Data Qualification Summary - SDG 21C1294**

No Sample Data Qualified in this SDG

**Former Utility Platers/Kingston Diagnostics
Metals - Field Blank Data Qualification Summary - SDG 21C1294**

No Sample Data Qualified in this SDG

LDC #: 50833A4a

VALIDATION COMPLETENESS WORKSHEET

SDG #: 20C1294

Laboratory: York Analytical Laboratories, Inc.

Category B

Level II

Date: 4/21/21

Page: 1 of 1

Reviewer: C

2nd Reviewer: MK

METHOD: Metals (EPA SW 846 Method 6010D/6020B/7470/7473)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A 1A	
II.	ICP/MS Tune	N	
III.	Instrument Calibration	N	
IV.	ICP Interference Check Sample (ICS) Analysis	N	
V.	Laboratory Blanks	A	
VI.	Field Blanks	N	
VII.	Matrix Spike/Matrix Spike Duplicates	SW	
VIII.	Duplicate sample analysis	A	
IX.	Serial Dilution	N	
X.	Laboratory control samples	SW A	(ICS)
XI.	Field Duplicates	NO	(3,4)
XII.	Internal Standard (ICP-MS)	N	
XIII.	Sample Result Verification	N	no CRL
XIV.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

Samples appended with "F" were analyzed as dissolved

	Client ID	Lab ID	Matrix	Date
1	KC-MW-02-0321	21C1294-02	Water	03/25/21
2	KC-MW-05-0321	21C1294-03	Water	03/25/21
3	KC-MW-01-0321F	21C1294-01F	Water	03/25/21
4	KC-MW-DUP-0321F	21C1294-05F	Water	03/25/21
5	KC-MW-DUP-0321MS	21C1294-05MS	Water	03/25/21
6	KC-MW-DUP-0321DUP	21C1294-05DUP	Water	03/25/21
7				
8				
9				
10				
11				
12				
13				

Notes:

[illegible]

ICP (1, 2)	Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn
ICP-MS (3, 4)	Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn
CVAA	Hg

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

MS analysis was performed by the laboratory. All MS percent recoveries (%R) were within the acceptable limits with the following exceptions:

[illegible]

Comments:

A LCS was analyzed for each matrix at the required frequencies. All LCS percent recoveries (%R) were within the acceptable limits with the following exceptions:

Comments: