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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

WSP USA Inc. on behalf of WI High Point Landfill, LLC

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: George Wegmann, PG Phone: 336-852-4903

E-mail: george.wegmann@wsp.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
High Point C&D Landfill	5830 Riverdale Drive, Jamestown, NC 27282	41-16	.0500	January 23-25, 2023

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☐ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

George Wegmann, PG | Sr. Lead Consultant | 336-852-4903

Facility Representative Name (Print) | Title | (Area Code) Telephone Number

Signature | 4/26/2023 Date | Affix NC Licensed/ Professional Geologist Seal

WSP USA Inc., 5B Oak Branch Drive, Greensboro, NC 27407

Facility Representative Address

NC PG: C-557

NC PE Firm License Number (if applicable effective May 1, 2009)

NORTH CAROLINA LICENSED SEAL 2850 4/26/2023 GEOLOGIST GEORGE C. WEGMANN

Revised 6/2009

GFL GREEN FOR LIFE environmental

April 26, 2023

Ms. Jaclynne Drummond, Hydrogeologist
Department of Environmental Quality, Division of Waste Management, Solid Waste Section
2090 US Highway 70
Swannanoa, North Carolina 28778
jaclynne.drummond@ncdenr.gov

RE: FIRST SEMI-ANNUAL 2023 WATER QUALITY MONITORING REPORT
HIGH POINT CONSTRUCTION AND DEMOLITION LANDFILL, PERMIT NO. 41-16

Dear Ms. Drummond,

WI High Point Landfill, LLC, is submitting the enclosed Water Quality Monitoring Report, which documents the results of the first semi-annual 2023 compliance monitoring event at the above-referenced facility. If you have any questions, please contact me at (919) 201-3033.

Sincerely,
WI High Point Landfill, LLC

John Pfleger
Regional Environmental Compliance Manager

Enclosure

C: George Wegmann, PG, WSP USA Inc., 5B Oak Branch Drive, Greensboro, North Carolina, 27407, 336-852-4903, george.wegmann@wsp.com
Travis Hitchcock, 3301 Benson Drive, Raleigh, North Carolina, 27609. (travis.hitchcock@gflenv.com), (letter only).
Bryan Wuester, Regional Landfill Manager, 7434 Roseboro Highway, Roseboro, Sampson County, North Carolina 28382, Bryan.Wuester@gflenv.com
Seth Heath, General Manager, 5830 Riverdale Drive, Jamestown, North Carolina 27282, seth.heath@gflenv.com, 336-886-3560

REPORT

FIRST SEMI-ANNUAL 2023 WATER QUALITY MONITORING REPORT

High Point Construction & Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Submitted to:

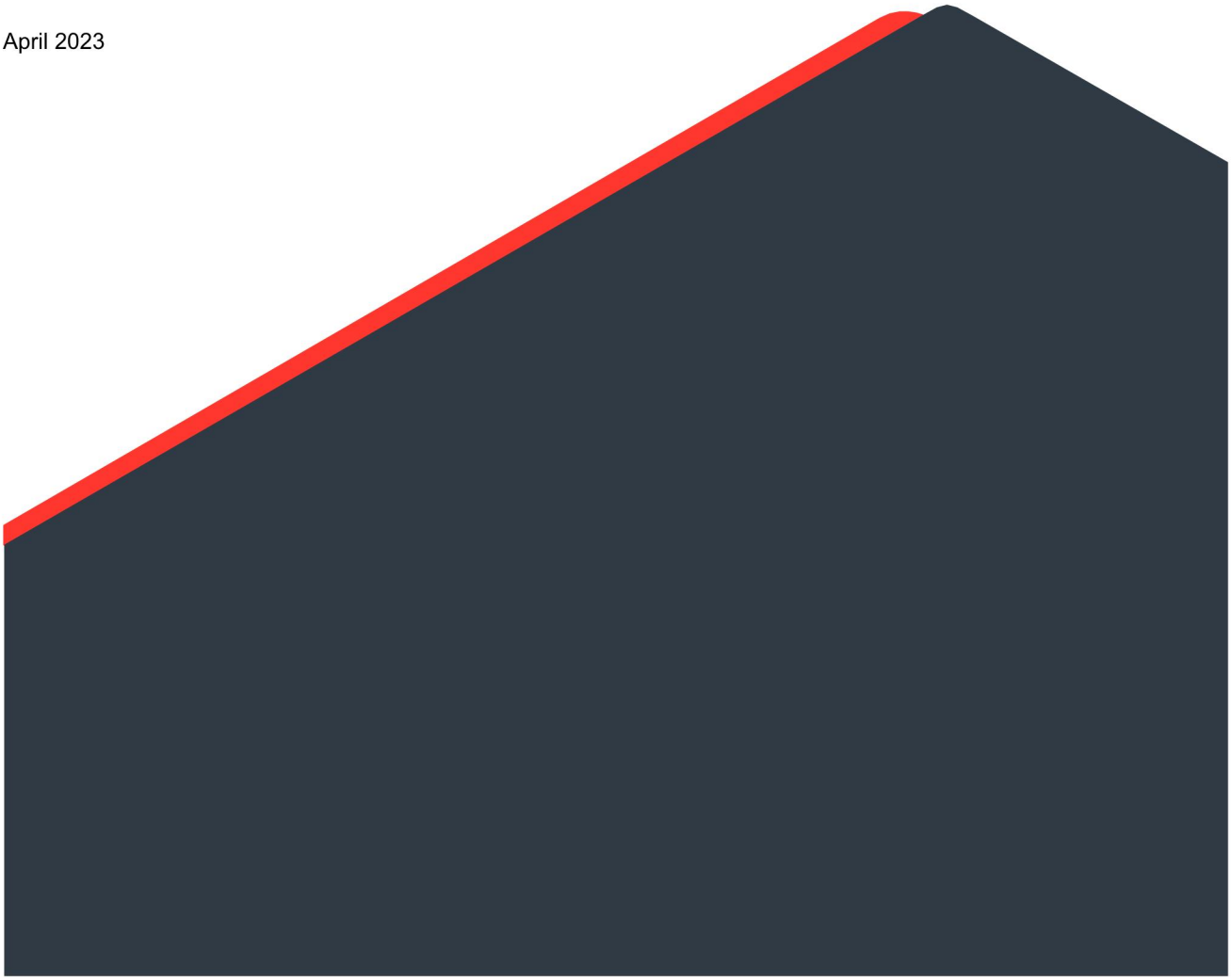
WI High Point Landfill, LLC
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Submitted by:

WSP USA Inc.
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April 2023



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Executive Summary

WSP USA Inc., formerly Golder Associates NC, Inc. (WSP), is submitting the enclosed *Water Quality Monitoring Report*, which documents the results of the January 23 - 25, 2023, compliance monitoring event at the High Point Construction and Demolition (C&D) Landfill.

Two North Carolina (NC) Appendix I inorganic constituents (barium and cobalt) were detected at quantifiable concentrations above their applicable groundwater standards during the January 2023 event in samples from one or more downgradient wells. As described below, additional background data are being collected to further evaluate exceedances of Appendix I metals. Cobalt and vanadium were also detected at one or more wells at estimated concentrations below the practical quantitation limit (PQLs) but above the NC 2L Groundwater Standard (NC 2L) during this event. As the concentrations are estimated (i.e., non-quantifiable) concentrations below the method reporting limits, per the 15A NCAC 02L .0202 (b)(1), no regulatory actions should be taken for estimated values below the reporting limits (a.k.a. PQLs) that are above groundwater standards

Indicator parameters iron, manganese, and total dissolved solids (TDS) were detected at quantifiable concentrations above their respective NC 2L Standards in samples from one or more downgradient wells during this event, as they have been during previous events. As presented in previous reports and alternate source demonstrations (ASDs), the inorganic concentrations reported in the groundwater samples are generally within natural background concentrations.

Piezometer P-3, which is located upgradient of the waste unit, was sampled during the January 2023 event to collect additional inorganic constituent data to further evaluate concentrations of inorganic constituents recently detected in samples from downgradient wells. This was the eighth of ten planned background sampling events for this piezometer.

One NC Appendix I volatile organic compounds (VOC), benzene, was detected at a quantifiable concentration above the NC 2L in samples from one or more downgradient wells during the January 2023 event, as it has been previously. Vinyl chloride was detected at an estimated concentration above the NC 2L in the sample from MW-8, as it has been previously. Additionally, 1,4-dioxane was detected at quantifiable concentrations above the NC 2L in samples from one or more downgradient wells during the event. 1,4-dioxane was analyzed per the May 30, 2018, NC DEQ memorandum and is not part of the facility permit required testing. Generally, concentrations of VOCs are consistent with historical data. No other NC Appendix I metals or VOCs were detected at quantifiable concentrations above applicable groundwater standards from downgradient monitoring wells during this event.

Cobalt was detected at a quantifiable concentration above the applicable surface water standard at downgradient surface water point SW-5 during this event, as it has been previously. Based on published stream sediment metals data for Guilford County, NC, the cobalt concentration in the sample from SW-5 is within the range of historical concentrations for this location and are evaluated further in this report. In the absence of any other indicators, no further action is recommended at this time. 1,4-dioxane was detected at quantifiable concentrations above the Human Health Standard in samples from downstream monitoring locations SW-2, SW-4, SW-5, and SW-6 during the event. As previously discussed, no further action is warranted for these dioxane exceedances. No other NC Appendix I metals or VOCs were detected in at

quantifiable concentrations above applicable surface water standards in samples from downstream surface water monitoring points during this event.

Due to the relatively low horizontal groundwater flow rates for the facility, the High Point C&D Landfill continues to evaluate the effects of the soil cap and landfill gas vents, which were installed in 2017, on groundwater quality along the western waste boundary at MW-2 and MW-6. Nested well pair MW-4S/D are located near the western facility boundary due southwest of the C&D landfill. An upward component of groundwater flow is measured at MW-4S/D (i.e., the unnamed tributary is a receiving stream and benzene concentrations detected at MW-2, MW-6, MW-8, and AMW-2 are not likely to extend off site).

Based on these results, the facility will continue groundwater monitoring in accordance with the requirements of the Assessment Monitoring Program as outlined in Title 15A NCAC 13B .0545, the Work Plan, and Addenda. The next semi-annual monitoring event is tentatively scheduled for July 2023.

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1.0 INTRODUCTION

This report summarizes the monitoring results from the January 23 – 25, 2023 semi-annual compliance monitoring event at the High Point Construction & Demolition (C&D) Landfill (facility) in Guilford County, North Carolina (NC) in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.0545. The active C&D Landfill is owned and operated under Permit No. 41-16 issued by the NC Department of Environmental Quality (DEQ).

1.1 Site Description and Background

The location of the facility is shown on the inlay on Figure 1. As presented, High Point C&D Landfill is located along Riverdale Road within the city limits of Jamestown in Guilford County, NC. The facility consists of approximately 154 acres, of which, approximately 17.2 acres is currently permitted as the Phase 1 and Phase 2 waste units.

There are three small unnamed streams that traverse the site and flow into an unnamed tributary of Richland Creek, which forms the southern property boundary as shown on Figure 1. The first unnamed tributary is a southwest trending stream that forms the north-western property boundary. The second tributary is a southwest trending drainage in the center of the property and lies just east of the Phase 2 waste unit. The third tributary is a southwest trending drainage in the eastern portion of the site. Three stormwater basins are located at the northwest, southwest, and southern portions of the facility.

Topographic surface elevations at the facility range from approximately 700 to 820 feet above mean sea level. The western portion of the site mainly consisted of trees and heavy brush before Phase 1 of the C&D landfill was constructed. Now, most of that area consists of landfill operations. The eastern portion of the site has historically been used for agricultural purposes. A reclamation facility is located at the northernmost part of the site. A large portion of the surrounding properties are agricultural, sparse residential, or owned by the City of High Point for operations associated with Kersey Valley Landfill. An unpermitted landfill was documented to exist approximately 2,200 feet west of the High Point C&D Landfill (Babb & Associates, 2020).

1.2 Compliance Monitoring History

Groundwater monitoring at the facility was initiated in October 2003 after approval of the Groundwater Monitoring Plan by NC DEQ. Currently the facility's monitoring network is comprised of eight compliance monitoring wells (MW-1, MW-2, MW 3, MW-4S, MW-5, MW-6, MW-7S, and MW-8) and two assessment monitoring wells (AMW-1, and AMW-2) that monitor the uppermost aquifer beneath the facility. Monitoring wells MW-7S and MW-8 were installed in July 2006 to monitor the Phase 2 expansion at the facility. Two assessment monitoring wells, AMW-1 and AMW-2 were installed in December 2016.

In addition to the groundwater monitoring points, the facility's monitoring network includes six surface water sampling points, SW-1 and SW-3, which are upstream monitoring points, and SW-2, SW-4, SW-5, and SW-6, which are downstream monitoring points. Monitoring points SW-5 and SW-6 were added in the May 2019 revision of the Water Quality Monitoring Plan. These points are sampled in conjunction with the groundwater monitoring wells in accordance with the facility's permit.

Vinyl chloride and benzene were detected in the sample from downgradient monitoring well MW-2 at concentrations above their respective reporting limits and NC 2L Groundwater Standards (NC 2L) during the July 2014 sampling event. On February 3, 2015, an Alternate Source Demonstration (ASD) was submitted in response to this detection that provided evidence that an unidentified source other than the waste unit is likely responsible for the volatile organic compounds (VOCs) detected in the samples from MW-2. On March 2,

2015, NC DEQ issued a response letter that allowed an additional six months to assess potential sources of VOCs.

Benzene was detected in the sample from MW-2 at a concentration above the Solid Waste Section Limit (SWSL) and NC 2L during the August 2015 sampling event and the facility transitioned to an Assessment Monitoring Program. An Assessment Monitoring Notification and Work Plan (Work Plan) was submitted to the NC DEQ on December 7, 2015 and was approved on January 28, 2016. The approved Work Plan stated that samples from groundwater monitoring wells MW-1 and MW-2 would be analyzed for the NC Appendix II list of constituents during the first semi-annual water quality monitoring event of 2016 and during subsequent events, MW-1 and MW-2 would be analyzed for NC Appendix I list of constituents plus detected NC Appendix II constituents. No additional NC Appendix II constituents were detected in the samples from MW-1 and MW-2 during the February 2016 event and therefore, future events were analyzed for the NC Appendix I list of constituents.

Benzene was detected in the sample from MW-6 at a concentration above the SWSL and NC 2L during the July 2016 sampling event. Based on the July 2016 monitoring results, an Assessment Monitoring Notification and Work Plan Addendum (Addendum) was submitted to the NC DEQ on October 21, 2016 and was approved on October 31, 2016. The approved Addendum stated that assessment monitoring wells, AMW-1 and AMW-2, would be installed downgradient of MW-2 and MW-6, respectively. The Addendum also stated that samples from groundwater monitoring wells MW-6, AMW 1, and AMW-2 would be analyzed for the NC Appendix II list of constituents during the first semi-annual water quality monitoring event of 2017 and during subsequent events MW-6, AMW-1, and AMW-2 would be analyzed for NC Appendix I list of constituents plus detected NC Appendix II constituents. Assessment monitoring wells AMW-1 and AMW-2 were installed in December 2016 in accordance with the Addendum and sampled for the first time during the January 2017 event.

In response to exceedances of groundwater standards of inorganic constituents, WSP submitted an Assessment Monitoring Work Plan Addendum 2 (Addendum 2) on November 8, 2019, which proposed sampling of existing piezometer P-3 for inorganic constituents over five years to establish background concentrations. The Addendum 2 was approved by the NC DEQ on November 14, 2019.

Benzene was detected in the samples from MW-8, AMW-1, and AMW-2 at quantifiable concentrations above the NC 2L during the January 2021 sampling event. Based on the January 2021 monitoring results, an Assessment Monitoring Work Plan Addendum 3 (Addendum 3) was submitted to the NC DEQ on March 26, 2021 and was approved on March 30, 2021. Addendum 3 stated that MW-8 would be sampled and analyzed for the NC Appendix II list of constituents during the second semi-annual water quality monitoring event of 2021 and that pore water samples (PWS-4, PWS-5, and PWS-6) would be collected annually, downgradient of wells MW-8, AMW-1, and AMW-2, respectively, and analyzed for NC Appendix I VOCs. The pore water sampling locations are shown on Figure 1.

As part of ongoing remedial efforts, High Point C&D Landfill completed final soil cap construction for Phases 1 and 2 in July 2017. Additionally, 14 in waste passive landfill gas vents were installed, some of which are located in proximity to areas of known VOC groundwater contamination at groundwater monitoring wells MW-2, MW-6, and MW-8. Based on average horizontal groundwater flow rates for the facility that are relatively low, it could take more than 25 years for groundwater located below the landfill gas vents to travel to the impacted groundwater monitoring wells. High Point C&D Landfill is continuing to evaluate the effects of the recently installed soil cap and landfill gas vents on groundwater quality along the western waste boundary at MW-2, MW-6, and MW-8 prior to evaluating any additional remedies.

1.3 Hydrogeologic Setting

Geologically, the facility is located within the Carolina Slate Belt of the Piedmont Physiographic Province of North Carolina (NCGS, 1985). Generally, the Carolina Slate Belt consists of Late Proterozoic to Cambrian volcanic and greenschist-facies metasedimentary rocks intruded by plutonic suites (Butler and Secor, 1991). The site geology is characterized by a regional-scale felsic intrusive complex, which consists mainly of white to gray, fine- to coarse-grained, massive to foliated metamorphosed granitic rock. The region is characterized by regional and small-scale Mesozoic diabase dikes.

The uppermost groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of saprolite, partially weathered rock (PWR), and granitic bedrock. Groundwater occurs at depths of approximately 25 feet below grade along the northern upgradient side of the site, and at a depth of less than 10 feet below grade along the perimeter downgradient boundary. Depth to water measurements, obtained during the January 2023 monitoring event and summarized in Table 1, were used to prepare a groundwater surface contour map presented on Figure 1.

Surface water and groundwater at the site generally flows south to southwest towards a tributary of Richland Creek. Richland Creek is approximately 1300 feet south of the site and flows to the Deep River, which is approximately 0.5 miles from the site. Groundwater beneath the site flows in three distinguishable and vertically interconnected hydrogeologic units; saprolite, PWR, and bedrock. The groundwater surface contour map and interpreted flow directions are consistent with previously submitted interpretations for this facility.

Based on the January 23, 2023, groundwater contour map, the average hydraulic gradient in the shallow aquifer underlying the site, as measured along the conceptual flow path shown on the contour map, was calculated to be approximately 0.042 feet per foot (Table 2). Groundwater velocities were calculated using a hydraulic conductivity of 1.37E-05, which is the geometric mean of the hydraulic conductivities for each of the hydrogeologic units present at the facility. The estimated effective porosity of the shallow aquifer is expected to range from 0.20 (saprolite) to 0.09 (fractured rock). The effective porosity of the fractured rock was used in calculations to provide a conservative estimate of groundwater flow.

Using the above values, the estimated rate of groundwater flow for the uppermost aquifer beneath the facility was calculated using the following modified Darcy equation:

$$V_{gw} = Ki/n_e$$

where V_{gw} = average linear velocity (feet/year), K = hydraulic conductivity (feet/year), i = horizontal hydraulic gradient, and n_e = effective porosity.

The average estimated linear groundwater flow velocity under the waste management unit is approximately 6.6 feet/year, which is generally consistent with previous estimates (Table 2). The range of groundwater flow is expected to vary depending on the hydrogeologic unit in which it occurs. The linear velocity equation above makes the simplified assumptions of a homogeneous and isotropic aquifer. Therefore, this equation represents a likely average value for the uppermost aquifer and does not account for heterogeneous and/or anisotropic conditions that may be present in the uppermost aquifer at the facility.

2.0 FIELD PROGRAM, MONITORING RESULTS AND DISCUSSION

Field activities conducted for the January 2023 sampling event are discussed in the following sections.

2.1 Visual inspection Program

In order to detect a potential release at the earliest possible time, the visual inspection program is used at the High Point C&D landfill by the sampling personnel. The program includes physical indicators such as physical examination of any stresses in biological communities, visible signs of leachate migration (i.e., leachate

seeps, and any other change to the environment due to the landfill) and documenting the condition of the groundwater monitoring wells. During this compliance monitoring event, no physical indicators of a potential release were observed in the vicinity of the landfill by the sampling personnel.

2.2 Well Network and Groundwater Elevation Measurements

The current approved network of groundwater monitoring wells at the facility consists of eight compliance monitoring wells and two assessment monitoring wells. Monitoring well construction information is summarized on Table 3 and the well locations are shown on Figure 1. The well locations were selected to yield groundwater samples representative of the conditions in the uppermost aquifer underlying the facility, and to monitor for potential releases from the landfill unit. Two upstream (SW-1 and SW-3) and four downstream (SW-2, SW-4, SW-3, and SW-6) surface water monitoring points are also monitored and are shown on Figure 1.

Monitoring well MW-1 is the facility's background well and is located hydraulically upgradient of the waste disposal area. Monitoring wells MW-2, MW-3, MW-4S, MW-5, MW-6, MW-7S, MW-8, AMW-1, and AMW-2, are located downgradient of the waste disposal area and represent the facility's downgradient wells. Piezometer P-3 is located upgradient and is currently being sampled during semi-annual water quality monitoring events to establish inorganic background concentrations.

Depth-to-water measurements were recorded to the nearest 0.01 foot prior to initiating groundwater purging and sampling activities. The respective groundwater level elevations for this event are presented in Table 1 along with historical water level data.

As presented, the data indicate that the hydraulic head level in the uppermost aquifer beneath the facility is fairly consistent, with temporal variation from the long-term average limited to approximately 5 feet (plus or minus). As expected, the range in fluctuation appears to be greater in the upgradient well MW-1, as this well is located in a groundwater recharge area. The range in fluctuation in downgradient compliance wells, which are located near groundwater discharge areas, is much less, presumably due to the stabilizing effect of the hydraulic discharge boundary.

2.3 January 2023 Groundwater and Surface Water Monitoring Event

Personnel from WSP visited the facility on January 23 -25, 2023 to purge and sample monitoring wells MW-1, MW-2, MW-3, MW-4S, MW-5, MW-6, MW-7S, MW-8, AMW-1, AMW-2, piezometer P-3, and surface water monitoring points SW-1, SW-2, SW-3, SW-4, SW-5, and SW-6. Depth-to-water measurements were obtained from the network monitoring wells and additional wells (MW-4D and MW-7D) to the nearest 0.01 foot using an electronic water level indicator prior to purging the wells.

Compliance and assessment monitoring wells were purged and sampled using low-flow sampling techniques from dedicated bladder pumps. Piezometer P-3 was purged and sampled using low-flow sampling techniques from a peristaltic pump. Measurements of temperature, pH, specific conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity were recorded on approximately 3- to 5-minute intervals during the purge, depending on the purge rate. In general, the purge rate was matched to the yield of the monitoring well, as determined by continuously monitoring the depth-to-water, not allowing the purge rate to exceed 500 milliliters per minute. Purging was continued until stabilization was indicated by the field parameters.

Prior to sampling, the laboratory-supplied sample containers were prepared. Each sample container was labelled with the sample identification number, sampling personnel, date and time of sample collection, project name and number, and requested chemical analyses. The required groundwater samples were collected

directly from the bladder pump discharge lines into the labelled, laboratory-supplied, pre-preserved sample containers after purging was completed based on stabilization of field parameters.

The surface water samples were collected directly from the stream flow, by lowering the sample containers into the stream flow with the opening facing away from the current flow, taking care to prevent the overflow of the sample containers and to minimize sample-induced turbidity. Measurements of temperature, pH, specific conductivity, DO, ORP, and turbidity were recorded during the collection of the surface water samples.

After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in Appendix A. Included in each log is a description of the sampling equipment, sampling location, sampling method, field observations, and field measurements.

2.4 Laboratory Analysis Program

The January 23 -25, 2023 groundwater and surface water samples were delivered via courier to Eurofins Analytical (Eurofins) of Cary, NC under chain-of-custody control for analysis. As presented, the January 2023 groundwater samples from MW-1, MW-2, MW-3, MW 4S, MW-5, MW-6, MW-7S, MW-8, AMW-1, and AMW-2 were analyzed for the NC Appendix I list of constituents plus the C&D indicator parameters specific to 15A NCAC 13B .544(a)(1)(D), tetrahydrofuran, and 1,4-dioxane. P-3 was analyzed for NC Appendix I metals plus mercury, manganese, and iron. The surface water samples at the facility were analyzed for the NC Appendix I list of constituents plus tetrahydrofuran and 1,4 dioxane. The samples were received at the laboratory on January 24 and 25, 2023 in good condition and properly preserved.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by WSP personnel as part of the January 2023 sampling event. Eurofins analyzed the field blank for the NC Appendix I list of constituents plus iron; manganese; mercury; 1,4-dioxane; and tetrahydrofuran. In addition to the field blank, a laboratory-prepared trip blank accompanied the volatile sample containers to and from the laboratory and was analyzed for NC Appendix I VOCs plus 1,4-dioxane and tetrahydrofuran. Eurofins analyzed the laboratory blanks for the same parameters analyzed for the groundwater samples. A review of the laboratory data was performed by WSP personnel and is included in Appendix B. Based on data review performed by WSP, acetone was detected at an estimated concentration in the field blank, chloroform and methylene chloride were detected at estimated concentrations in the trip blank, and antimony was detected at an estimated concentration in the laboratory method blank. The following concentrations are considered blank-qualified: Acetone at MW-2, MW-6, MW-8, AMW-1, AMW-2, SW-3, SW-5, and SW-6; methylene chloride at MW-7S and SW-3; and antimony at MW-1, MW-2, P-3, MW-6, and each surface water monitoring point.

4.0 DATA EVALUTION

The Results of the data evaluations are presented in the following sections.

4.1 North Carolina Groundwater and surface Water Quality Standard Comparisons

Analytical results and field parameters for the January 2023 groundwater samples are summarized in Tables 4 and 5 along with available historical data. As presented in Table 4, two NC Appendix I inorganic constituents (barium and cobalt) were detected at quantifiable concentrations above their applicable groundwater standards during the January 2023 event in samples from one or more downgradient wells. As described below, additional background data are being collected to further evaluate exceedances of Appendix I metals. Cobalt and vanadium were also detected at one or more wells at estimated concentrations below the practical quantitation limit (PQLs) but above the NC 2L Standard during this event. As the concentrations are estimated (i.e., non-quantifiable) concentrations below the method reporting limits, per the 15A NCAC 02L

.0202 (b)(1), no regulatory actions should be taken for estimated values below the reporting limits (a.k.a. PQLs) that are above groundwater standards.

Indicator parameters iron, manganese, and total dissolved solids (TDS) were detected at quantifiable concentrations above their respective NC 2L Standards in samples from one or more downgradient wells during this event, as they have been previously. As presented in previous reports and alternate source demonstrations (ASDs), the inorganic concentrations reported in the groundwater samples are generally within natural background concentrations.

One NC Appendix I VOC, benzene, was detected at a quantifiable concentration above the NC 2L Standard in samples from one or more downgradient wells during the January 2023 event, as it has been previously. Vinyl chloride was detected at an estimated concentration above the NC 2L standard in the sample from MW-8, as it has been previously. Additionally, 1,4-dioxane was detected at quantifiable concentrations above the NC 2L Standard in samples from one or more downgradient wells during the event above the NC 2L Standard. 1,4-dioxane was analyzed per the May 30, 2018, NC DEQ memorandum and is not part of the facility permit required testing. Generally, concentrations of VOCs are consistent with historical data. No other NC Appendix I metals or VOCs were detected at quantifiable concentrations above applicable groundwater standards from downgradient monitoring wells during this event.

As stated in Section 1.2, a final soil cap was completed for Phases 1 and 2 and 14 gas vents were installed into the landfill in July 2017. Due to the relatively low flow rates downgradient of the landfill, the effects of these improvements on water quality are still being evaluated. Nested well pair MW-4S and MW-4D are located near the western facility boundary southwest of the C&D landfill. Based on the data presented in Table 2, an upward component of groundwater flow is measured at MW-4S/D. Based on an evaluation of the elevation of an unnamed tributary to Richland Creek adjacent to MW 4S/D and water table elevation in MW-4S, the unnamed tributary is a receiving stream and above standard concentrations of VOCs detected at MW-2, MW-6, MW-8, AMW-1, and AMW-2 are unlikely to extend off site, which is further supported by the pore water sampling results (sampled each fall and shown on Table 6).

Analytical results and field parameters for the January 2023 surface water samples are summarized in Tables 8 and 9 along with available historical data. Cobalt was detected at a quantifiable concentration above the applicable surface water standard at downgradient surface water point SW-5 during this event, as it has been previously. Based on published stream sediment metals data for Guilford County, NC, the cobalt concentration in the sample from SW-5 is within the range of historical concentrations for this location as noted below. In the absence of any other indicators, no further action is recommended at this time. 1,4-dioxane was detected at quantifiable concentrations above the Human Health Standard in samples from downstream monitoring locations SW-2, SW-4, SW-5, and SW-6 during the event. As previously discussed, no further action is warranted for these dioxane exceedances. No other NC Appendix I metals or VOCs were detected in at quantifiable concentrations above applicable surface water standards in samples from downstream surface water monitoring points during this event.

A literature search of cobalt concentrations in stream sediment for Guilford County, NC was conducted to provide evidence that the source of cobalt in the sample from SW-5 is naturally occurring. The United States Geological Survey (USGS) National Geochemical Survey Database is a collection of stream sediment data from across the United States. This database was used to locate 14 stream sediment samples collected between 1 to 20 miles from the High Point C&D Landfill, which are summarized below.

Range of Cobalt Concentrations	Mean Cobalt Concentration
<2,000 – 24,000 parts per billion (ppb)	11,000 ppb

These concentrations of cobalt in sediment likely account for the concentrations detected in the sample from SW-5. A summary table of the data used from the National Geochemical Survey Database is provided in Appendix C.

Based on the stream sediment metals data presented above, the cobalt concentrations reported in the sample from SW-5 are within natural background concentrations. Therefore, future cobalt results will continue to be monitored, and no further action is warranted at this time.

5.0 CONCLUSIONS

During the January 2023 event, WSP sampled piezometer P-3, which is located upgradient of the waste unit, to collect additional inorganic constituent data to further evaluate concentrations of inorganic constituents recently detected in samples from downgradient wells. This was the eighth of ten planned sampling events. As the turbidity in this well was elevated (over 10 NTU) during this event, results will not be used to establish background data for this well but are included within this report. WSP recommends re-developing P-3 prior to the next scheduled sampling event.

Due to the relatively low horizontal groundwater flow rates for the facility, the High Point C&D Landfill continues to evaluate the effects of the soil cap and landfill gas vents, which were installed in 2017, on groundwater quality along the western waste boundary at MW-2 and MW-6. Nested well pair MW-4S/D are located near the western facility boundary due southwest of the C&D landfill. An upward component of groundwater flow is measured at MW-4S/D (i.e., the unnamed tributary is a receiving stream and benzene concentrations detected at MW-2, MW-6, MW-8, and AMW-2 are not likely to extend off site).

Based on these results, the facility will continue groundwater monitoring in accordance with the requirements of the Assessment Monitoring Program as outlined in Title 15A NCAC 13B .0545, the Work Plan, and Addenda. The next semi-annual monitoring event is tentatively scheduled for July 2023.

6.0 REFERENCES

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Signature Page

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Tables

TABLE 1

Summary of Historical Groundwater Elevation Data in Monitoring Wells
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

	Monitoring Wells																							
	MW-1		MW-2		MW-3		MW-4S		MW-4D		MW-5		MW-6		MW-7S		MW-7D		MW-8		AMW-1		AMW-2		P-3	
TOC Elevation (ft AMSL)	813.17		754.85		755.48		733.76		734.23		747.83		735.23		761.20		763.27		762.60		753.28		730.57		790.06	
Date	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)	DTW (ft)	Elevation (ft AMSL)
10/08/03	17.80	795.37	6.42	748.43	16.00	739.48	5.47	728.29	---	---	7.52	741.04	8.57	726.66	---	---	---	---	---	---	---	---	---	---	---	---
01/23/04	18.40	794.77	6.97	747.88	16.58	738.90	6.00	727.76	---	---	12.95	734.88	10.97	724.26	---	---	---	---	---	---	---	---	---	---	---	---
07/08/04	19.09	794.08	6.80	748.05	18.71	736.77	6.16	727.60	---	---	12.39	735.44	10.90	724.33	---	---	---	---	---	---	---	---	---	---	---	---
01/25/05	19.88	793.29	6.70	748.15	16.95	738.53	5.85	727.91	---	---	11.65	736.18	11.00	724.23	---	---	---	---	---	---	---	---	---	---	---	---
07/06/05	19.19	793.98	8.01	746.84	18.91	736.57	7.65	726.11	---	---	13.10	734.73	10.97	724.26	---	---	---	---	---	---	---	---	---	---	---	---
01/09/06	23.20	789.97	6.10	748.75	18.25	737.23	5.52	728.24	0.10	734.13	11.89	735.94	9.53	725.70	---	---	---	---	---	---	---	---	---	---	---	---
07/12/06	19.80	793.37	6.05	748.80	18.35	737.13	5.91	727.85	0.10	734.13	12.44	735.39	10.86	724.37	---	---	32.70	730.57	---	---	---	---	---	---	---	---
01/16/07	19.26	793.91	6.41	748.44	16.37	739.11	5.35	728.41	0.10	734.13	11.55	736.28	9.01	726.22	30.85	730.35	31.29	731.98	2.40	760.20	---	---	---	---	---	---
07/02/07	19.32	793.85	9.00	745.85	19.02	736.46	7.93	725.83	0.10	734.13	13.41	734.42	11.10	724.13	30.90	730.30	31.60	731.67	5.74	756.86	---	---	---	---	---	---
01/29/08	22.68	790.49	7.01	747.84	18.76	736.72	5.88	727.88	0.10	734.13	12.04	735.79	10.10	725.13	32.95	728.25	33.20	730.07	4.57	758.03	---	---	---	---	---	---
07/17/08	20.51	792.66	10.35	744.50	19.51	735.97	8.91	724.85	0.13	734.10	13.38	734.45	11.02	724.21	32.36	728.84	33.17	730.10	6.58	756.02	---	---	---	---	---	---
01/15/09	20.09	793.08	6.49	748.36	17.31	738.17	5.16	728.6	0.00	734.23	11.54	736.29	7.88	727.35	31.56	729.64	31.94	731.33	2.02	760.58	---	---	---	---	---	---
07/16/09	18.96	794.21	8.12	746.73	18.53	736.95	7.55	726.21	0.00	734.23	12.80	735.03	10.08	725.15	31.01	730.19	30.78	732.49	3.55	759.05	---	---	---	---	---	---
01/04/10	18.06	795.11	6.43	748.42	16.15	739.33	5.25	728.51	0.00	734.23	11.24	736.59	7.78	727.45	30.25	730.95	34.04	729.23	2.58	760.02	---	---	---	---	---	---
07/01/10	17.43	795.74	8.03	746.82	18.41	737.07	6.90	726.86	0.00	734.23	12.06	735.77	10.02	725.21	30.09	731.11	---	---	4.40	758.20	---	---	---	---	---	---
01/13/11	19.57	793.6	7.35	747.50	18.78	736.70	6.41	727.35	0.07	734.16	13.47	734.36	9.79	725.44	32.41	728.79	32.41	730.86	4.21	758.39	---	---	---	---	---	---
07/21/11	18.25	794.92	7.83	747.02	18.71	736.77	6.95	726.81	0.00	734.23	12.25	735.58	9.21	726.02	31.20	730.00	31.99	731.28	4.39	758.21	---	---	---	---	---	---
01/16/12	17.97	795.2	6.52	748.33	16.49	738.99	5.23	728.53	0.00	734.23	11.39	736.44	6.76	728.47	30.75	730.45	31.26	732.01	3.19	759.41	---	---	---	---	---	---
07/09/12	18.02	795.15	8.62	746.23	18.89	736.59	7.60	726.16	0.00	734.23	13.00	734.83	9.25	725.98	30.58	730.62	31.46	731.81	5.36	757.24	---	---	---	---	---	---
01/14/13	19.72	793.45	7.29	747.56	18.16	737.32	6.06	727.70	0.00	734.23	12.45	735.38	9.01	726.22	31.54	729.66	32.26	731.01	4.50	758.10	---	---	---	---	---	---
07/09/13	17.16	796.01	7.38	747.47	17.99	737.49	6.24	727.52	0.00	734.23	12.06	735.77	7.24	727.99	29.69	731.51	30.50	732.77	4.30	758.30	---	---	---	---	---	---
01/30/14	18.94	794.23	7.02	747.83	17.51	737.97	5.62	728.14	0.00	734.23	11.61	736.22	7.26	727.97	30.92	730.28	31.63	731.64	4.16	758.44	---	---	---	---	---	---
07/08/14	17.69	795.48	8.24	746.61	18.51	736.97	7.68	726.08	0.00	734.23	12.80	735.03	7.96	727.27	30.26	730.94	31.13	732.14	5.53	757.07	---	---	---	---	---	---
03/03/15	19.16	794.01	6.68	748.17	17.78	737.70	4.88	728.88	0.00	734.23	11.39	736.44	7.45	727.78	31.03	730.17	31.56	731.71	3.73	758.87	---	---	---	---	---	---
08/12/15	19.13	794.04	8.12	746.73	19.67	735.81	8.43	725.33	--	--	12.71	735.12	8.51	726.72	31.51	729.69	---	---	9.54	753.06	---	---	---	---	---	---
02/17/16	17.08	796.09	6.40	748.45	15.21	740.27	4.84	728.92	0.00	734.23	10.68	737.15	5.19	730.04	28.78	732.42	29.24	734.03	2.79	759.81	---	---	---	---	---	---
07/14/16	17.66	795.51	7.34	747.51	18.44	737.04	6.87	726.89	--	--	12.08	735.75	7.11	728.12	29.40	731.80	---	---	4.98	757.62	---	---	---	---	---	---
01/11/17	20.41	792.76	7.15	747.70	23.55	731.93	5.86	727.90	0.00	734.23	11.71	736.12	7.15	728.08	30.36	730.84	---	---	4.09	758.51	5.76	747.52	6.26	724.31	---	---
07/11/17	18.22	794.95	7.55	747.30	17.98	737.50	6.45	727.31	0.00	734.23	11.45	736.38	6.05	729.18	28.41	732.79	29.53	733.74	4.20	758.40	5.96	747.32	7.37	723.20	---	---
01/09/18	20.97	792.20	7.40	747.45	18.83	736.65	6.47	727.29	0.00	734.23	13.09	734.74	7.74	727.49	29.39	731.81	30.58	732.69	4.64	757.96	5.92	747.36	7.28	723.29	---	---
07/26/18	19.20	793.97	8.20	746.65	19.76	735.72	8.63	725.13	0.00	734.23	12.36	735.47	7.10	728.13	29.49	731.71	30.74	732.53	5.71	756.89	6.42	746.86	7.69	722.88	---	---
01/30/19	16.20	796.97	5.81	749.04	15.42	740.06	4.70	729.06	0.00	734.23	10.08	737.75	5.74	729.49	26.04	735.16	27.24	736.03	2.20	760.40	4.95	748.33	3.98	726.59	---	---
07/10/19	16.35	796.82	7.18	747.67	17.89	737.59	6.65	727.11	0.00	734.23	11.30	736.53	6.02	729.21	22.30	738.90	28.27	735.00	4.12	758.48	5.77	747.51	7.06	723.51	5.95	784.11
01/29/20	18.13	795.04	5.36	749.49	15.78	739.70	4.69	729.07	0.10	734.13	10.11	737.72	5.67	729.56	26.74	734.46	28.09	735.18	2.44	760.16	4.80	748.48	3.64	726.93	4.95	785.11
07/07/20	16.55	796.62	7.19	747.66	17.96	737.52	6.45	727.31	0.00	734.23	11.18	736.65	6.44	728.79	26.50	734.70	27.90	735.37	4.20	758.40	5.95	747.33	6.95	723.62	5.34	784.72
01/19/21	16.17	797.00	6.41	748.44	16.22	739.26	5.51	728.25	0.00	734.23	10.14	737.69	6.29	728.94	25.44	735.76	27.15	736.12	2.87	759.73	5.59	747.69	5.13	725.44	4.23	785.83
08/16/21	17.78	795.39	7.20	747.65	18.95	736.53	7.29	726.47	0.00	734.23	11.60	736.23	6.38	728.85	25.83	735.37	27.69	735.58	4.64	757.96	6.03	747.25	7.38	723.19	7.62	782.44
01/26/22	20.02	793.15	6.16	748.69	18.24	737.24	5.27	728.49	0.00	734.23	10.49	737.34	6.88	728.35	27.00	734.20	28.72	734.55	3.57	759.03	5.45	747.83	4.83	725.74	5.65	784.41
07/05/22	18.91	794.26	7.83	747.02	18.85	736.63	8.04	725.72	0.00	734.23	12.15	735.68	7.38	727.85	25.21	735.99	27.10	736.17	5.17	757.43	6.43	746.85	7.88	722.69	7.84	782.22
01/23/23	18.19	794.98	5.66	749.19	17.00	738.48	4.85	728.91	0.00	734.23	9.76	738.07	5.67	729.56	23.66	737.54	25.55	737.72	2.90	759.70	5.20	748.08	3.88	726.69	5.49	784.57
MEAN	18.78	794.39	7.17	747.68	18.01	737.47	6.33	727.43	0.02	734.21	11.78	736.07	8.23	727.00	29.22	731.98	30.36	732.91	4.22	758.38	5.71	747.57	6.10	724.47	5.88	784.18
MAXIMUM	23.20	797.00	10.35	749.49	23.55	740.27	8.91	729.07	0.13	734.23	13.47	741.04	11.10	730.04	32.95	738.90	34.04	737.72	9.54	760.58	6.43	748.48	7.88	726.93	7.84	785.83
MINIMUM	16.17	789.97	5.36	744.50	15.21	731.93	4.69	724.85	0.00	734.10	7.52	734.36	5.19	724.13	22.30	728.25	25.55	729.23	2.02	753.06	4.80	746.85	3.64	722.69	4.23	782.22

Notes:
1. TOC = top of casing
2. ft AMSL = feet above mean sea level
3. Monitoring well MW-1 is the facility background well.
4. --- = no data available
5. Each water level for MW-4D was above ground surface, just below the top of casing.

TABLE 2

Summary of Estimated Horizontal Flow Velocities
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

January 2023							
Gradient Calculation Segment	**Flow Direction**	**Gradient Segment Length (feet)**	**Gradient Segment Elevations (feet)**	**Horizontal Gradient (i, feet)**	**Effective Porosity (n_e)**	**Hydraulic Conductivity (K, cm/sec)**	**Velocity (V_{gw}, feet/year)**
i_1	W	732	790 / 760	0.0410	0.09	1.37E-05	6.45
i_2	SW	1449	790 / 740	0.0345	0.09	1.37E-05	5.43
i_3	S	793	790 / 750	0.0504	0.09	1.37E-05	7.94

Notes:

1. Horizontal velocities based on the modified Darcy equation $V_{gw} = Ki/n_{e.}$
2. The geometric mean of K from individual well aquifer tests was used to calculate the hydraulic conductivity (tests conducted by Golder as part of the Phase 2 investigation not yet submitted).
3. The effective porosity for bedrock was used in velocity calculations.
4. cm/sec = centimeters per second

TABLE 3

Summary of Well Construction Information

Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16

Guilford County, North Carolina

Well & Piezometer Number	Date Installed	Casing Diameter (inches)	Coordinates		Well Elevations		Total Depth Drilled		Screened Interval				Lithology of Screened Interval	Status
					Ground Surface	TOC			Depth (ft bgs)		Elevation (ft AMSL)			
			Northing	Easting	ft AMSL		Depth (ft bgs)	Elevation (ft AMSL)	from	to	from	to		
MW-1	09/29/03	2	802679.07	1727481.97	809.79	813.17	30.0	779.79	15.0	30.0	794.79	779.79	Bedrock	Compliance Well
MW-2	09/30/03	2	802512.12	1726072.14	752.30	754.85	16.5	735.80	6.5	16.5	745.80	735.80	PWR/Bedrock	Compliance Well
MW-3	10/02/03	2	802153.76	1725818.69	752.65	755.48	27.0	725.65	12.0	27.0	740.65	725.65	PWR/Bedrock	Compliance Well
MW-4S	02/20/02	2	801841.41	1725570.04	731.60	733.76	20.0	711.60	5.0	20.0	726.60	711.60	PWR/Bedrock	Compliance Well
MW-4D	02/19/02	2	801847.04	1725576.62	731.88	734.23	80.0	651.88	60.0	80.0	671.88	651.88	Bedrock	Water Levels Only
MW-5	02/19/02	2	801517.31	1726103.70	741.16	743.44	20.0	721.16	5.0	20.0	736.16	721.16	Saprolite/PWR/Bedrock	Compliance Well
MW-6	12/17/02	2	801625.07	1725754.72	733.53	735.23	15.5	718.03	8.5	15.5	725.03	718.03	PWR/Bedrock	Compliance Well
MW-7S	07/13/06	2	801358.30	1726660.50	761.20	763.52	45.0	716.20	30.0	45.0	731.20	716.20	PWR	Compliance Well
MW-7D	07/11/06	2	801341.60	1726657.80	761.24	763.27	70.0	691.24	60.0	70.0	701.24	691.24	Bedrock	Water Levels Only
MW-8	07/05/06	2	802748.00	1726285.20	760.57	762.60	25.0	735.57	15.0	25.0	745.57	735.57	Bedrock	Compliance Well
AMW-1	12/05/16	2	802509.49	1726046.32	750.82	753.28	15.0	735.82	5.0	15.0	745.82	735.82	Bedrock	Assessment Well
AMW-2	12/05/16	2	801580.59	1725717.37	728.19	730.57	15.0	713.19	5.0	15.0	723.19	713.19	Bedrock	Assessment Well
P-3	02/12/02	2	802083.27	1727807.85	787.62	790.06	25.0	762.62	10.0	25.0	777.62	762.62	Saprolite/PWR	Background Piezometer

Notes:

1. All elevations are referenced to mean sea level; depths are referenced to ground surface.
2. AMSL = above mean sea level
3. bgs = below ground surface
4. TOC = top of casing
5. PWR = partially weathered rock
6. MW-4S and MW-4D were installed as piezometers P-15S and P-15D, respectively, on February 19-20, 2002.
7. MW-5 was installed as piezometer P-12 on February 19, 2002.
8. MW-6 was installed as piezometer P-18 on December 17, 2002.
9. MW-7S and MW-7D were installed as piezometers P-30S and P-30D, respectively, on July 13 and 11, 2006.
10. MW-8 was installed as piezometer P-23 on July 5, 2006.
10. AMW-1 and AMW-2 were installed as assessment monitoring wells on December 5, 2016.

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks	
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2		
Antimony	ug/L	01/16/07	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
NC 2L = 1 ug/L	ug/L	07/02/07	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
EPA MCL = 6 ug/L	ug/L	01/30/08	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/17/08	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	6	ND	--	ND	0.96 J	ND	ND	0.94 J	--	--	--	--	ND	
	ug/L	07/16/09	--	--	6	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/04/10	--	--	6	ND	--	ND	0.107 J	ND	ND	0.0910 J	0.206 J	ND	--	--	ND	
	ug/L	07/01/10	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/13/11	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/21/11	--	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	6	0.307 J	--	0.620 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/12	--	--	6	0.257 B	--	1.30 B	ND	ND	ND	ND	ND	ND	--	--	0.461 J	
	ug/L	01/14/13	--	--	6	ND	--	0.672 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	6	0.221 J	--	0.767 J	ND	ND	0.238 J	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	6	0.229 J	--	**1.66 J**	ND	ND	0.347 J	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	6	ND	--	**1.30 J**	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	0.22	--	6	ND	--	0.953 J	0.224 J	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	08/12/15	0.22	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	02/17/16	0.22	--	6	0.277 J	--	ND	ND	ND	0.252 J	ND	ND	ND	--	--	ND	
	ug/L	07/14/16	0.22	--	6	ND	--	0.393 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/11/17	0.37	--	6	ND	--	0.854 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/11/17	0.37	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/09/18	0.25	--	6	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	1.85	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	0.74	2.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/10/19	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/29/20	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/07/20	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/19/21	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	08/18/21	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	
	ug/L	08/30/21	0.74	2.0	--	--	--	--	--	--	--	--	--	--	--	ND	ND	
	ug/L	01/26/22	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/06/22	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/23/23	0.34	5.0	--	0.36 B	0.87 B	0.39 B	ND	ND	ND	0.35 B	ND	ND	ND	ND	1.14 J	
Arsenic	ug/L	10/08/03	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
NC 2L = 10 ug/L	ug/L	01/23/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
EPA MCL = 10 ug/L	ug/L	07/08/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/25/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/06/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/09/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/12/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND J	
	ug/L	01/16/07	--	--	10	ND	--	2.5 B	2.8 B	2.4 B	ND	ND	ND	ND	--	--	2.4	
	ug/L	07/02/07	--	--	10	ND	--	ND	ND	ND	5.1 J	ND	ND	ND	--	--	ND J	
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	2.1	
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	10	ND	--	ND	ND	2.8 J	ND	ND	--	--	--	--	ND	
	ug/L	07/16/09	--	--	10	3.56 J	--	ND	4.21 J	4.82 J	ND	3.76 J	--	--	--	--	ND	
	ug/L	01/04/10	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND J	
	ug/L	07/01/10	--	--	10	3.96 B	--	6.39 B	5.99 B	6.13 B	6.64 B	3.12 B	3.16 B	ND	--	--	3.54	
	ug/L	01/13/11	--	--	10	ND	--	4.13 J	ND	3.35 J	2.82 J	4.74 J	3.81 J	ND	--	--	ND	
	ug/L	07/21/11	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	10	ND	--	ND	ND	3.12 J	ND	ND	ND	ND	--	--	ND J	
	ug/L	07/09/12	--	--	10	3.41 B	--	ND	ND	4.41 B	ND	ND	3.18 B	ND	--	--	3.13	
	ug/L	01/14/13	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	10	ND	--	ND	ND	ND	6.93 J	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	10	ND	--	5.83 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	5.4	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	08/12/15	6.8	--	10	ND	--	8.12 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	02/17/16	6.8	--	10	ND	--	6.94 J	ND	ND	ND	9.29 J	ND	ND	--	--	ND	
	ug/L	07/14/16	6.8	--	10	ND	--	9.80 J	ND	ND	7.81 J	ND	ND	ND	--	--	ND	
	ug/L	01/11/17	6.8	--	10	ND	--	**14.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dissolved	ug/L	01/11/17	6.8	--	10	--	--	8.1 J	--	--	--	--	--	--	--	--	--	
	ug/L	07/11/17	6.8	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/09/18	6.8	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	7.6	10	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	7.6	10	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/10/19	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/29/20	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/07/20	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/19/21	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	08/18/21	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	
	ug/L	08/30/21	7.6	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND	
	ug/L	01/26/22	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/06/22	7.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/23/23	6.4	20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Barium	ug/L	10/08/03	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
NC 2L = 700 ug/L	ug/L	01/23/04	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
EPA MCL = 2000 ug/L	ug/L	07/08/04	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/25/05	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/06/05	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/09/06	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND J	
	ug/L	07/12/06	--	--	500	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND J	
	ug/L	01/16/07	--	--	100	141	--	187	25.5 J	73.9 J	86.7 J	53.5 J	210	46.4 J	--	--	0.90 J	
	ug/L	07/02/07	--	--	100	137	--	338	29.4 J	33.4 J	87.8 J	57.5 J	230	42.4 J	--	--	1.2	
	ug/L	01/30/08	--	--	100	100	--	190	46.9 J	66.6 J	110	82.2 J	143	66.8 J	--	--	0.30	
	ug/L	07/17/08	--	--	100	102	--	279	36.5 J	52.5 J	92.8 J	65.1 J	108	49.2 J	--	--	ND	
	ug/L	01/14/09	--	--	100	101	--	152	38.3 J	79.7 J	68.0 J	93.9 J	--	--	--	--	ND J	
	ug/L	07/16/09	--	--	100	132	--	252	39.1 J	65.9 J	71.6 J	99.0 J	--	--	--	--	ND	
	ug/L	01/04/10	--	--	100	107	--	188	37.4 J	117	51.7 J	111	98.5 J	37.3 J	--	--	0.552	
	ug/L	07/01/10	--	--	100	117	--	156	42.2 J	45.4 J	72.6 J	153	107	23.3 J	--	--	ND	
	ug/L	01/13/11	--	--	100	100	--	193	35.0 J	69.4 J	70.8 J	117	98.5 J	26.6 J	--	--	ND	
	ug/L	07/21/11	--	--	100	125	--	273	33.7 J	87.7 J	75.1 J	140	115	30.1 J	--	--	ND	
	ug/L	01/16/12	--	--	100	108	--	197	34.9 J	114	58.2 J	161	118	36.3 J	--	--	ND J	
	ug/L	07/09/12	--	--	100	115	--	338	31.5 J	48.3 J	67.5 J	223	122	40.0 J	--	--	ND J	
	ug/L	01/14/13	--	--	100	125	--	333	47.2 J	74.0 J	66.4 J	162	142	50.2 J	--	--	1.46 J	
	ug/L	07/09/13	--	--	100	88.7 J	--	308	36.9 J	46.2 J	60.3 J	126	137	61.9 J	--	--	1.37 J	
	ug/L	01/30/14	--	--	100	78.8 J	--	297	44.6 J	88.7 J	59.5 J	146	154	79.7 J	--	--	1.08 J	
	ug/L	07/08/14	--	--	100	73.8 J	--	542	40.3 J	53.5 J	57.3 J	174	156	69.6 J	--	--	1.13 J	
	ug/L	03/03/15	1.0	--	100	62.3 J	--	427	42.5 J	51.4 J	49.5 J	192	181	86.0 J	--	--	3.04	
	ug/L	08/12/15	1.0	--	100	62.7 J	--	649	35.3 J	74.7 J	61.8 J	203	181	47.6 J	--	--	2.33	
	ug/L	02/17/16	1.0	--	100	53.3 J	--	428	33.4 J	96.6 J	46.6 J	269	194	57.0 J	--	--	ND	
	ug/L	07/14/16	1.0	--	100	51.1 J	--	488	43.0 J	67.1 J	59.1 J	319	192	62.8 J	--	--	1.51 J	
	ug/L	01/11/17	1.0	--	100	53.0 J	--	**726**	42.7 J	76.7 J	75.4 J	378	215	77.4 J	113	160	ND	
Dissolved	ug/L	01/11/17	1.0	--	100	--	--	337	--	--	--	--	--	--	--	--	--	
	ug/L	07/11/17	1.0	--	100	49.8 J	--	528	38.8	63.6	53.2	414	218	94.6	80.9	177	1.39 J	
	ug/L	01/09/18	1.0	--	100	46.8 J	--	**926**	46.3 J	87.3 J	88.0 J	615	263	128	143	327	ND	
Dissolved	ug/L	01/09/18	1.0	--	100	--	--	377	--	--	--	--	--	--	--	--	--	
	ug/L	07/26/18	1.1	10	--	36.2	--	**859**	32.9	71.4	61.4	551	223	125	179	312	ND	
	ug/L	01/30/19	1.1	10	--	37.6	--	309	32.8	80.2	39.5	530	240	143	213	170	ND	
	ug/L	07/10/19	1.1	10	--	37.7	53.0	**1110**	55.5	124	59.1	**763**	252	151	157	329	2.91 J	
	ug/L	01/29/20	1.1	10	--	41.3	50.8	431	36.8	88.8	51.8	**724**	303	156	332	147	ND	
	ug/L	07/07/20	1.1	10	--	36.0	43.2	**935**	39.5	72.0	40.6	687	282	136	259	256	ND	
	ug/L	01/19/21	1.1	10	--	38.3	57.3	657	39.0	115	36.4	**814**	417	174	417	199	ND	
	ug/L	08/18/21	1.1	10	--	34.0	48.2	**1450**	35.2	56.3	77.5	**898**	480	200	367	--	ND	
	ug/L	08/30/21	1.1	10	--	--	--	--	--	--	--	--	--	--	--	370	ND	
	ug/L	01/26/22	1.1	10	--	33.1	41.2	**748**	46.8	65.4	46.9	619	613	207	451	106	ND	
	ug/L	07/06/22	1.1	10	--	30.4	50.8	**1490**	38.7	67.4	59.0	**732**	677	229	264	281	ND	
	ug/L	01/23/23	4.4	10	--	33	61	690	51	91	35	490	**790**	230	360	210	ND	
Beryllium	ug/L	01/16/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
NC 2L = 4 ug/L	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
EPA MCL = 4 ug/L	ug/L	01/30/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/16/09	--	--	1	ND	--	0.135 J	ND	ND	0.090 J	ND	--	--	--	--	ND	
	ug/L	01/04/10	--	--	1	ND	--	0.674 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	0.176 J	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	0.10	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	08/12/15	0.10	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	02/17/16	0.10	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/14/16	0.10	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/11/17	0.10	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/11/17	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/09/18	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	0.16	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	0.16	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/10/19	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/29/20	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/07/20	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/19/21	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	08/18/21	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	
	ug/L	08/30/21	0.16	1.0	--	--	--	--	--	--	--	--	--	--	--	ND	ND	
	ug/L	01/26/22	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/06/22	0.16	1.0	--	ND	0.169 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.229 J	
	ug/L	01/23/23	0.30	4.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2	
Cadmium	ug/L	10/08/03	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 2 ug/L	ug/L	01/23/04	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 5 ug/L	ug/L	07/08/04	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/25/05	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/06/05	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/09/06	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/12/06	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/16/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	1	0.350 B	--	0.390 B	0.310 B	0.200 B	0.111 B	0.293 B	--	--	--	--	1.19
	ug/L	01/04/10	--	--	1	0.299 J	--	0.770 J	0.269 J	ND	ND	0.296 J	0.153 J	0.344 J	--	--	ND
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.36	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.36	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	0.36	1.0	--	ND	--	ND	ND	ND	0.483 J	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.36	1.0	--	ND	**2.76**	ND	ND	ND	0.368 J	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	0.36	1.0	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	0.36	1.0	--	ND	0.733 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	0.44	5.0	--	ND	**2.5 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ug/L	10/08/03	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 10 ug/L	ug/L	01/23/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 100 ug/L	ug/L	07/08/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/25/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/06/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/09/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/12/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/16/07	--	--	10	2.2 J	--	ND	ND	ND	ND	ND	17.0	ND	--	--	ND
	ug/L	07/02/07	--	--	10	ND	--	ND	ND	ND	ND	ND	19.0	ND	--	--	ND
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND J
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	ND	5.3 J	4.9 J	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	0.772 J	--	4.78 J	1.01 J	0.793 J	0.722 J	0.736 J	--	--	--	--	ND
	ug/L	01/04/10	--	--	10	ND	--	4.22 J	2.58 J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	6.26 B	--	ND	6.00 B	ND	ND	ND	1.29 B	ND	--	--	1.80 J
	ug/L	01/13/11	--	--	10	ND	--	ND	ND	ND	ND	ND	1.26 J	ND	--	--	ND
	ug/L	07/21/11	--	--	10	ND	--	3.62 J	ND	14.3 (1.06 J)	ND	1.95 J	2.46 J	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	--	3.77 J	ND	1.70 J	ND	4.53 J	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	6.97 J	ND	ND	ND	5.41 J	ND	ND	--	--	ND J
	ug/L	01/14/13	--	--	10	ND	--	3.73 B	1.19 B	1.03 B	1.08 B	2.77 B	1.57 B	1.32 B	--	--	1.40
	ug/L	07/09/13	--	--	10	ND	--	ND	ND	ND	ND	1.78 J	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	--	ND	ND	ND	ND	2.42 J	ND	2.08 J	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	3.68 J	2.83 J	10.9 (ND)	ND	3.76 J	1.44 J	ND	--	--	ND
	ug/L	03/03/15	1.4	--	10	ND	--	6.93 B	ND	1.54 B	ND	5.74 B	1.43 B	2.11 B	--	--	1.66
	ug/L	08/12/15	1.4	--	10	ND	--	1.66 J	ND	ND	ND	3.94 J	ND	ND	--	--	ND
	ug/L	02/17/16	1.4	--	10	ND	--	5.24 J	6.61 J	1.40 J	ND	4.34 J	ND	ND	--	--	ND
	ug/L	07/14/16	1.4	--	10	ND	--	ND	ND	ND	ND	1.70 J	ND	ND	--	--	ND
	ug/L	01/11/17	1.4	--	10	ND	--	ND	ND	ND	ND	2.10 J	ND	ND	ND	ND	ND
	ug/L	07/11/17	1.4	--	10	ND	--	1.53 J	ND	ND	ND	4.01 J	ND	ND	ND	1.94 J	ND
	ug/L	01/09/18	1.4	--	10	ND	--	ND	ND	3.61 J	ND	6.11 J	1.89 J	3.33 J	ND	4.12 J	ND
	ug/L	07/26/18	1.4	10	--	ND	--	4.63 J	ND	ND	ND	5.60 J	ND	3.35 J	ND	3.72 J	ND
	ug/L	01/30/19	1.4	10	--	ND	--	1.94 J	6.90 J	ND	ND	5.04 J	1.51 J	3.14 J	1.47 J	1.73 J	ND
	ug/L	07/10/19	1.4	10	--	ND	2.26 J	2.96 J	1.61 J	ND	ND	5.03 J	1.61 J	ND	ND	2.77 J	ND
	ug/L	01/29/20	1.4	10	--	ND	ND	2.11 J	2.11 J	ND	ND	5.79 J	ND	2.57 J	1.80 J	1.90 J	ND
	ug/L	07/07/20	1.4	10	--	ND	ND	8.88 J	8.77 J	ND	ND	6.80 J	ND	**12.3 (10.5)**	4.37 J	2.95 J	ND
Dissolved	ug/L	07/07/20	1.4	10	--	--	--	--	--	--	--	--	--	9.55 J	--	--	--
	ug/L	01/19/21	1.4	10	--	ND	1.42 J	7.12 J	5.43 J	ND	ND	8.43 J	1.42 J	**11.7**	5.94 J	3.15 J	ND
	ug/L	08/18/21	1.4	10	--	ND	ND	6.45 J	3.14 J	ND	ND	7.88 J	ND	**13.4**	5.25 J	--	ND
	ug/L	08/30/21	1.4	10	--	--	--	--	--	--	--	-- J	--	--	--	4.04 J	ND
	ug/L	01/26/22	1.4	10	--	ND	ND	5.84 J	1.51 J	ND	ND	6.18 J	ND	**15.3**	7.37 J	1.45 J	ND
	ug/L	07/06/22	1.4	10	--	ND	2.07 J	7.36 J	1.83 J	ND	ND	6.01 J	ND	**14.0**	3.48 J	3.98 J	ND
	ug/L	01/23/23	1.1	10	--	ND	4.4 J	2.0 J	4.8 J	ND	ND	2.7 J	ND	ND	ND	1.3 J	ND
Cobalt	ug/L	01/16/07	--	--	10	ND	--	**14.6**	ND	ND	**3.0 J**	**5.9 J**	**3.9 J**	ND	--	--	ND
NC 2L = 1 ug/L	ug/L	07/02/07	--	--	10	ND	--	**27.4**	ND	ND	**4.7 J**	ND	**6.0 J**	ND	--	--	ND
No EPA MCL	ug/L	01/30/08	--	--	10	ND	--	**11.6**	ND	ND	**5.6 J**	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	ND	--	**27.6**	ND	ND	**1.4 J**	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	**9.4 J**	ND	**1.2 J**	**4.1 J**	**13.0**	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	ND	--	**26.5**	ND	**1.65 J**	**3.30 J**	**5.05 J**	--	--	--	--	ND
	ug/L	01/04/10	--	--	10	ND	--	**17.8**	ND	ND	**3.90 J**	**9.94 J**	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	ND	--	**14.4**	ND	ND	**3.65 J**	**24.0**	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	--	**15.7**	ND	ND	**5.50 J**	**11.0**	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	ND	--	**19.7**	ND	**1.27 J**	**5.87 J**	**17.0**	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	--	**14.3**	ND	ND	**3.61 J**	**24.8**	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	**18.4**	ND	**1.43 J**	**6.03 J**	**24.8**	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	--	**13.5**	ND	**1.74 J**	**3.55 J**	**18.8**	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	--	**13.5**	ND	**1.26 J**	**2.54 J**	**9.81 J**	ND	**3.33 J**	--	--	ND
	ug/L	01/30/14	--	--	10	ND	--	**13.0**	ND	ND	**2.39 J**	**14.8**	ND	**4.60 J**	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	**23.4**	ND	**1.83 J**	**1.87 J**	**21.0**	ND	**4.34 J**	--	--	ND
	ug/L	03/03/15	1.1	--	10	ND	--	**15.2**	ND	ND	**2.20 J**	**25.3**	ND	**4.31 J**	--	--	ND
	ug/L	08/12/15	1.1	--	10	**1.18 J**	--	**19.4**	ND	**3.09 J**	**2.34 J**	**20.8**	ND	**3.55 J**	--	--	ND
	ug/L	02/17/16	1.1	--	10	**1.14 J**	--	**14.9**	ND	**1.59 J**	**1.70 J**	**14.3**	ND	**2.83 J**	--	--	ND J
	ug/L	07/14/16	1.1	--	10	ND	--	**15.6**	ND	ND	ND	**17.1**	ND	**4.28 J**	--	--	ND
	ug/L	01/11/17	1.1	--	10	ND	--	**17.9**	ND	ND	**3.89 J**	**14.7**	ND	**4.39 J**	**7.41 J**	**7.90 J**	ND
	ug/L	07/11/17	1.1	--	10	ND	--	**10.7**	ND	ND	ND	**10.4**	ND	**6.25 J**	**5.03 J**	**11.1**	ND
Dissolved	ug/L	07/11/17	1.1	--	10	--	--	--	--	--	--	--	--	--	--	**10.4**	--
	ug/L	01/09/18	1.1	--	10	ND	--	**18.8 J**	ND	**3.92 J**	**2.58 J**	**15.9**	ND	**8.32 J**	**9.14 J**	**17.1**	ND
	ug/L	07/26/18	1.4	10	--	ND	--	**12.8**	ND	**3.12 J**	ND	**12.0**	ND	**12.0**	**12.3**	**19.3**	ND
	ug/L	01/30/19	1.4	10	--	ND	--	**6.47 J**	ND	ND	ND	**15.8**	ND	**7.87 J**	**8.79 J**	**9.23 J**	ND
	ug/L	07/10/19	1.4	10	--	ND	ND	**13.9**	ND	ND	ND	**15.3**	ND	**8.19 J**	**7.80 J**	**15.0**	ND
	ug/L	01/29/20	1.4	10	--	ND	ND	**6.74 J**	ND	ND	**2.20 J**	**12.6**	ND	**11.7**	**12.3**	**8.21 J**	ND
	ug/L	07/07/20	1.4	10	--	ND	ND	**9.72 J**	ND	ND	ND	**4.77 J**	ND	**9.29 J**	**8.92 J**	**10.9**	ND
	ug/L	01/19/21	1.4	10	--	ND	**2.25 J**	**8.19 J**	ND	ND	**1.62 J**	**13.9**	ND	**6.62 J**	**15.5**	**10.3**	ND
	ug/L	08/18/21	1.4	10	--	ND	ND	**9.04 J**	ND	ND	ND	**5.30 J**	ND	**6.01 J**	**12.8**	--	ND
	ug/L	08/30/21	1.4	10	--	--	--	--	--	--	--	--	--	--	--	**13.0**	ND
	ug/L	01/26/22	1.4	10	--	ND	ND	**5.88 J**	**1.45 J**	ND	**1.69 J**	**6.18 J**	ND	**9.66 J**	**12.9**	**1.84 J**	ND
	ug/L	07/06/22	1.4	10	--	ND	ND	**8.00 J**	ND	ND	ND	**9.27 J**	ND	**12.0**	**10.0**	**15.0**	ND
	ug/L	01/23/23	1.4	10	--	ND	**2.3 J**	**7.3 J**	**2.2 J**	ND	ND	**14**	ND	**9.5 J**	**9.5 J**	**9.3 J**	ND
Copper	ug/L	01/16/07	--	--	10	14.5	--	ND	ND	4.60 J	ND	ND	12.3	ND	--	--	ND
NC 2L = 1000 ug/L	ug/L	07/02/07	--	--	10	8.8 J	--	ND	ND	ND	ND	ND	16.3	3.4 J	--	--	ND
EPA MCL = 1300 ug/L[#]	ug/L	01/30/08	--	--	10	3.00 J	--	ND	ND	1.90 J	ND	ND	2.70 J	5.30 J	--	--	ND J
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	6.42
	ug/L	01/04/10	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	ND	--	ND	ND	2.72 B	ND	ND	ND	ND	--	--	1.65
	ug/L	01/16/12	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND J
	ug/L	01/14/13	--	--	10	ND	--	ND	1.67 J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	1.63 J	--	ND	ND	1.93 J	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	2.73 J	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	1.6	--	10	4.20 J	--	ND	ND	2.18 J	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	1.6	--	10	ND	--	ND	ND	ND	ND	6.76 J	ND	20.3	--	--	ND
	ug/L	02/17/16	1.6	--	10	ND	--	ND	ND	ND	ND	ND	ND	3.28 B	--	--	3.66
	ug/L	07/14/16	1.6	--	10	ND	--	ND	ND	ND	ND	ND	ND	1.99 B	--	--	3.50 J
	ug/L	01/11/17	1.6	--	10	4.48 B	--	2.78 B	3.45 B	3.26 B	1.97 B	2.25 B	3.25 B	6.10 B	3.40 B	3.28 B	6.33 J
	ug/L	07/11/17	1.6	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	1.6	--	10	ND	--	ND	ND	3.97 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	1.6	10	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.02 J
	ug/L	01/30/19	1.6	10	--	ND	--	ND	ND	ND	ND	ND	ND	2.19 J	ND	ND	ND J
	ug/L	07/10/19	1.6	10	--	2.47 B	1.92 B	2.12 B	ND	2.38 B	ND	ND	ND	2.60 B	2.22 B	ND	3.52 J
	ug/L	01/29/20	1.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	1.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	1.6	10	--	ND	ND	ND	1.68 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	1.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	1.6	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	1.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	1.6	10	--	ND	4.66 J	ND	ND	ND	ND	ND	ND	ND	ND	10.0	ND
	ug/L	01/23/23	3.2	20	--	ND	8.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2	
Lead	ug/L	10/08/03	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 15 ug/L	ug/L	01/23/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 15 ug/L[#]	ug/L	07/08/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/25/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/06/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/09/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/12/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/16/07	--	--	10	ND	--	ND	ND	ND	ND	3.1 J	4.5 J	ND	--	--	ND
	ug/L	07/02/07	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	ND	--	3.10 J	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	10	ND	--	4.04 B	1.46 B	ND	2.76 B	2.08 B	ND	ND	--	--	1.24
	ug/L	07/01/10	--	--	10	ND	--	2.61 J	ND	ND	2.84 J	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	--	4.02 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	ND	--	3.08 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	--	4.54 J	ND	2.45 J	6.10 J	ND	ND	1.90 J	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	--	4.05 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	--	3.42 J	ND	ND	4.35 J	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	2.1	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	3.1	--	10	ND	--	5.51 J	ND	ND	ND	3.62 J	ND	ND	--	--	ND
	ug/L	02/17/16	3.1	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	3.1	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	3.1	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	3.1	--	10	ND	--	5.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	3.1	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	3.1	10	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	3.1	10	--	ND	--	ND	ND	ND	ND	ND	ND	6.37 J	ND	ND	ND
	ug/L	07/10/19	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	3.1	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.74 J	ND	ND
	ug/L	07/06/22	3.1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	6.6	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ug/L	10/08/03	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 1 ug/L	ug/L	01/23/04	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/08/04	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/25/05	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/06/05	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/09/06	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/12/06	--	--	0.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/16/07	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	07/02/07	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	01/30/08	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	0.2	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	07/16/09	--	--	0.2	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	01/16/12	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	--	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.17	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.17	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.17	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.17	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.099	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.099	--	0.2	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.15	0.20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	0.15	0.20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	0.15	0.20	--	ND	0.289	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	0.15	0.20	--	ND	0.222	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.15	0.20	--	0.229	0.274	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	0.15	0.20	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	0.08	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ug/L	01/16/07	--	--	50	3.8 J	--	ND	ND	ND	ND	ND	17.2 J	ND	--	--	ND
NC 2L = 100 ug/L	ug/L	07/02/07	--	--	50	ND	--	3.0 J	ND	ND	ND	ND	19.0 J	ND	--	--	ND
No EPA MCL	ug/L	01/30/08	--	--	50	2.5 J	--	3.6 J	2.4 J	3.7 J	6.5 J	ND	6.0 J	3.3 J	--	--	ND
	ug/L	07/17/08	--	--	50	2.1 J	--	ND	ND	ND	3.8 J	ND	2.3 J	ND	--	--	ND
	ug/L	01/14/09	--	--	50	2.4 J	--	ND	5.1 J	5.3 J	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	50	0.790 B	--	4.11 B	1.47 B	0.988 B	1.04 B	1.05 B	--	--	--	--	3.80
	ug/L	01/04/10	--	--	50	ND	--	2.59 J	ND	ND	3.20 J	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	50	ND	--	ND	ND	ND	ND	2.29 J	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	50	ND	--	ND	ND	ND	ND	5.20 J	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	50	ND	--	ND	ND	2.44 J	ND	5.56 J	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	50	ND	--	ND	ND	ND	ND	2.77 J	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	50	ND	--	ND	ND	ND	ND	6.24 J	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	50	ND	--	ND	2.05 J	ND	4.29 J	3.86 J	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	50	ND	--	2.37 J	ND	ND	ND	4.34 J	2.81 J	3.27 J	--	--	ND
	ug/L	01/30/14	--	--	50	ND	--	ND	ND	1.86 J	ND	5.05 J	ND	5.44 J	--	--	ND
	ug/L	07/08/14	--	--	50	ND	--	2.85 J	1.86 J	6.10 J	ND	4.71 J	ND	3.36 J	--	--	ND
	ug/L	03/03/15	1.8	--	50	ND	--	3.01 J	ND	ND	ND	6.41 J	ND	3.19 J	--	--	ND
	ug/L	08/12/15	1.8	--	50	ND	--	2.73 J	ND	ND	ND	5.84 J	ND	3.37 J	--	--	ND
	ug/L	02/17/16	1.8	--	50	ND	--	ND	2.27 J	ND	ND	3.23 J	ND	5.44 J	--	--	ND
	ug/L	07/14/16	2.2	--	50	ND	--	ND	ND	ND	ND	4.27 B	2.20 B	3.63 B	--	--	11.9
	ug/L	01/11/17	2.2	--	50	ND	--	ND	ND	ND	ND	4.40 J	3.14 J	4.87 J	ND	2.57 J	ND
	ug/L	07/11/17	2.2	--	50	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	2.60 J	ND
	ug/L	01/09/18	2.2	--	50	ND	--	ND	2.41 J	5.17 J	ND	4.45 J	2.42 J	2.52 J	ND	3.86 J	ND
	ug/L	07/26/18	2.2	10	--	2.41 J	--	4.88 J	2.42 J	ND	ND	5.29 J	3.06 J	7.98 J	2.62 J	5.35 J	ND
	ug/L	01/30/19	2.2	10	--	2.43 J	--	ND	2.41 J	ND	ND	5.79 J	2.42 J	7.83 J	2.41 J	2.49 J	ND
	ug/L	07/10/19	2.2	10	--	ND	2.35 J	4.93 J	ND	ND	ND	7.14 J	3.49 J	6.67 J	ND	4.45 J	ND
	ug/L	01/29/20	2.2	10	--	ND	ND	3.71 J	2.56 J	ND	ND	7.23 J	4.18 J	8.97 J	3.39 J	2.90 J	ND
	ug/L	07/07/20	2.2	10	--	ND	ND	ND	2.85 J	ND	ND	3.09 J	2.29 J	2.25 J	2.54 J	2.96 J	ND
	ug/L	01/19/21	2.2	10	--	2.64 J	2.74 J	ND	3.25 J	ND	ND	7.91 J	6.23 J	5.78 J	4.18 J	3.35 J	ND
	ug/L	08/18/21	2.2	10	--	ND	ND	3.52 J	ND	ND	ND	6.17 J	7.82 J	4.53 J	3.31 J	--	ND
	ug/L	08/30/21	2.2	10	--	--	--	--	--	--	--	--	--	--	--	7.08 J	ND
	ug/L	01/26/22	2.2	10	--	ND	ND	ND	ND	ND	ND	4.80 J	9.61 J	ND	ND	ND	ND
	ug/L	07/06/22	2.2	10	--	2.54 J	2.22 J	4.00 J	2.31 J	ND	ND	7.72 J	14.0	7.35 J	3.74 J	7.11 J	ND
	ug/L	01/23/23	3.3	40	--	3.7 J	4.6 J	5.5 J	ND	ND	ND	8.2 J	20 J	8.5 J	4.4 J	5.2 J	ND
Selenium	ug/L	10/08/03	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 20 ug/L	ug/L	01/23/04	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 50 ug/L	ug/L	07/08/04	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/25/05	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/06/05	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/09/06	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/12/06	--	--	20	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/16/07	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	2.0 J	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	ND	4.0 J	ND	ND	3.1 J	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	10	ND	--	1.59 J	ND	ND	ND	2.05 J	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	ND	--	2.72 J	ND	ND	ND	3.59 J	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.91	--	10	ND	--	1.55 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	5.0	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	5.0	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	6.2	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	6.2	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	6.2	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	6.2	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	6.2	10	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	6.2	10	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	6.2	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	6.2	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	10	20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2	
Silver	ug/L	10/08/03	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 20 ug/L	ug/L	01/23/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 100 ug/L	ug/L	07/08/04	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/25/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/06/05	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/09/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/12/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/16/07	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	10	ND	--	ND	ND	ND	2.5 J	ND	ND	2.0 J	--	--	ND
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	ND	--	3.75 J	0.990 J	ND	1.70 J	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	10	ND	--	1.92 J	ND	ND	1.09 J	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	ND	--	2.66 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	--	3.19 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	3.59 J	--	2.28 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	--	2.37 J	ND	3.30 J	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	2.38 J	ND	ND	ND	2.88 J	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	--	3.43 J	3.86 J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	2.69 J	--	4.48 J	ND	3.36 J	1.90 J	2.31 J	4.86 J	6.81 J	--	--	ND
	ug/L	01/30/14	--	--	10	ND	--	2.95 J	ND	ND	ND	ND	ND	2.21 J	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	5.41 J	ND	ND	ND	ND	ND	2.58 J	--	--	ND
	ug/L	03/03/15	1.9	--	10	ND	--	7.35 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	1.9	--	10	2.57 B	--	9.84 B	ND	4.90 B	5.27 B	10.6 B	2.14 B	4.53 B	--	--	2.59
	ug/L	02/17/16	1.9	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	1.9	--	10	ND	--	4.41 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	1.9	--	10	ND	--	6.32 J	ND	ND	ND	ND	ND	2.06 J	ND	ND	ND
	ug/L	07/11/17	1.9	--	10	5.30 J	--	ND	ND	ND	ND	3.78 J	ND	2.59 J	3.30 J	2.57 J	ND
	ug/L	01/09/18	1.9	--	10	3.53 J	--	15.5 J	2.41 J	4.04 J	ND	5.69 J	4.13 J	9.94 J	2.72 J	3.35 J	ND
	ug/L	07/26/18	1.9	10	--	ND	--	ND	ND	ND	14.3	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	1.9	10	--	ND	--	ND	4.37 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	1.9	10	--	ND	ND	ND	11.8	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	2.28 J	ND	ND	--	ND
	ug/L	08/30/21	1.9	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	1.9	10	--	ND	ND	ND	2.11 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	1.5	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	01/16/07	--	--	5.5	ND	--	0.048 J	ND	ND	ND	ND	ND	ND	--	--	ND
NC 2L = 2 ug/L	ug/L	07/02/07	--	--	5.5	0.043 J	--	0.097 J	ND	ND	ND	ND	ND	ND	--	--	ND
EPA MCL = 2 ug/L	ug/L	01/30/08	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	5.5	ND	--	0.046 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	5.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	5.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	5.5	ND	--	ND	ND	ND	0.489 J	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.11	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.11	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.11	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.11	--	5.5	0.575 J	--	0.211 J	0.502 J	0.482 J	0.414 J	0.169 J	0.303 J	0.345 J	--	--	ND
	ug/L	01/11/17	0.11	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.11	--	5.5	0.131 J	--	ND	0.118 J	ND	ND	ND	ND	ND	0.143 J	0.148 J	ND
	ug/L	01/09/18	0.05	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.55	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	0.22	2.0	--	0.410 J	--	0.223 J	0.399 J	0.354 J	ND	ND	0.263 J	ND	0.293 J	0.263 J	ND
	ug/L	07/10/19	0.22	2.0	--	0.315 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.401 J	ND
	ug/L	01/29/20	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.22	2.0	--	0.487 J	0.520 J	0.259 J	0.474 J	0.472 J	ND	ND	0.488 J	0.258 J	0.378 J	0.401 J	ND
	ug/L	08/18/21	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	0.22	2.0	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	0.26	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	01/16/07	--	--	25	**7.5 J**	--	ND	ND	4.4 J	ND	ND	**34.4**	ND	--	--	ND
NC 2L = 7 ug/L	ug/L	07/02/07	--	--	25	5.9 J	--	ND	1.9 J	2.3 J	ND	ND	**44.3**	2.6 J	--	--	ND
No EPA MCL	ug/L	01/30/08	--	--	25	3.7 J	--	ND	ND	3.6 J	ND	ND	**13.3 J**	ND	--	--	ND
	ug/L	07/17/08	--	--	25	2.5 J	--	ND	ND	2.9 J	ND	ND	**11.4 J**	ND	--	--	ND
	ug/L	01/14/09	--	--	25	1.7 J	--	ND	ND	6.8 J	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	25	2.16 J	--	ND	1.08 J	3.75 J	1.59 J	0.965 J	--	--	--	--	ND
	ug/L	01/04/10	--	--	25	1.91 J	--	ND	0.544 J	3.00 J	ND	ND	**10.1 J**	2.43 J	--	--	ND
	ug/L	07/01/10	--	--	25	ND	--	ND	ND	ND	ND	ND	**10.5 J**	ND	--	--	ND
	ug/L	01/13/11	--	--	25	1.80 J	--	ND	ND	2.32 J	ND	ND	**10.2 J**	ND	--	--	ND
	ug/L	07/21/11	--	--	25	ND	--	ND	ND	**24.6 J**	ND	ND	**9.72 J**	ND	--	--	ND
	ug/L	01/16/12	--	--	25	1.73 J	--	ND	ND	**42.6**	ND	ND	**9.90 J**	ND	--	--	ND
	ug/L	07/09/12	--	--	25	1.55 J	--	ND	ND	2.05 J	ND	ND	**9.46 J**	ND	--	--	ND
	ug/L	01/14/13	--	--	25	1.81 J	--	ND	ND	ND	ND	ND	**10.6 J**	ND	--	--	ND
	ug/L	07/09/13	--	--	25	ND	--	ND	ND	2.32 J	ND	ND	**9.62 J**	ND	--	--	ND
	ug/L	01/30/14	--	--	25	ND	--	ND	ND	6.97 J	ND	ND	**9.31 J**	ND	--	--	ND
	ug/L	07/08/14	--	--	25	ND	--	ND	ND	ND	ND	ND	**9.21 J**	ND	--	--	ND
	ug/L	03/03/15	1.4	--	25	ND	--	ND	ND	6.10 J	ND	ND	**9.36 J**	ND	--	--	ND
	ug/L	08/12/15	1.4	--	25	ND	--	ND	ND	4.78 J	ND	1.59 J	**9.20 J**	ND	--	--	ND
	ug/L	02/17/16	1.4	--	25	ND	--	ND	ND	**11.2 J**	ND	ND	**9.15 J**	ND	--	--	ND
	ug/L	07/14/16	1.4	--	25	ND	--	ND	ND	1.98 J	ND	1.46 J	**8.95 J**	ND	--	--	ND
	ug/L	01/11/17	1.4	--	25	ND	--	ND	ND	**7.20 J**	ND	ND	**9.24 J**	ND	ND	ND	ND
	ug/L	07/11/17	1.4	--	25	ND	--	2.79 J	ND	1.69 J	1.89 J	2.10 J	**9.77 J**	ND	ND	ND	ND
	ug/L	01/09/18	1.4	--	25	ND	--	ND	ND	**22.1 J**	ND	ND	**10.3 J**	ND	ND	ND	ND
	ug/L	07/26/18	1.4	10	--	ND	--	ND	ND	1.74 J	ND	1.65 J	**8.76 J**	ND	ND	ND	ND
	ug/L	01/30/19	1.4	10	--	1.50 J	--	ND	ND	1.93 J	ND	ND	**9.20 J**	ND	ND	ND	ND
	ug/L	07/10/19	1.4	10	--	ND	ND	ND	ND	ND	ND	2.04 J	**9.57 J**	ND	ND	ND	ND
	ug/L	01/29/20	1.4	10	--	ND	ND	ND	ND	ND	ND	ND	**10.1**	ND	ND	ND	ND
	ug/L	07/07/20	1.4	10	--	1.57 J	ND	1.98 J	ND	1.40 J	ND	2.93 J	**8.72 J**	ND	ND	ND	ND
	ug/L	01/19/21	1.4	10	--	ND	ND	ND	ND	ND	1.48 J	ND	**7.09 J**	ND	ND	ND	ND
	ug/L	08/18/21	1.4	10	--	ND	ND	ND	ND	ND	ND	ND	5.79 J	ND	ND	--	ND
	ug/L	08/30/21	1.4	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	1.4	10	--	ND	ND	ND	ND	ND	ND	ND	4.75 J	ND	ND	ND	ND
	ug/L	07/06/22	1.4	10	--	ND	ND	ND	ND	ND	ND	ND	4.26 J	ND	ND	ND	ND
	ug/L	01/23/23	1.0	10	--	1.6 J	**11**	2.0 J	1.4 J	1.4 J	1.5 J	3.5 J	**9.3 J**	1.1 J	1.9 J	1.3 J	ND
Zinc	ug/L	01/16/07	--	--	10	25.7 B	--	4.0 B	6.5 B	23.4 B	9.1 B	11.0 B	48.1 B	7.4 B	--	--	10.0
NC 2L = 1000 ug/L	ug/L	07/02/07	--	--	10	ND	--	28.0	ND	ND	ND	10.1	41.1	3.9 J	--	--	ND
EPA MCL = 5000 ug/L*	ug/L	01/30/08	--	--	10	2.3 B	--	1.8 B	2.9 B	3.8 B	3.0 B	4.9 B	9.1 J	4.4 B	--	--	1.6
	ug/L	07/17/08	--	--	10	ND	--	ND	ND	ND	ND	4.2 J	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	10	ND	--	3.8 J	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	10	6.77 B	--	4.89 B	5.55 B	7.01 B	5.28 B	3.44 B	--	--	--	--	20.5
	ug/L	01/04/10	--	--	10	1.72 B	--	6.20 B	2.24 B	2.35 B	2.57 B	3.88 B	ND	2.98 B	--	--	2.25
	ug/L	07/01/10	--	--	10	ND	--	ND	ND	ND	6.66 J	7.04 J	4.90 J	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	ND	--	ND	ND	4.06 J	ND	5.52 J	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	ND	--	ND	ND	ND	ND	5.67 J	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	--	ND	ND	ND	ND	4.35 J	ND	3.98 J	--	--	ND
	ug/L	01/30/14	--	--	10	3.97 J	--	4.83 J	4.13 J	5.51 J	ND	5.86 J	ND	7.30 J	--	--	ND
	ug/L	07/08/14	--	--	10	ND	--	ND	3.86 J	ND	9.69 J	ND	ND	5.50 J	--	--	ND
	ug/L	03/03/15	3.8	--	10	ND	--	ND	ND	4.77 J	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	3.8	--	10	ND	--	4.12 J	ND	8.46 J	ND	15.8	ND	9.95 J	--	--	ND
	ug/L	02/17/16	3.8	--	10	60.0	--	5.54 J	ND	25.8	6.06 J	ND	ND	4.75 J	--	--	ND
	ug/L	07/14/16	4.4	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	4.4	--	10	ND	--	ND	ND	ND	ND	ND	ND	6.11 J	ND	ND	ND
	ug/L	07/11/17	4.4	--	10	ND	--	5.01 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	4.4	--	10	ND	--	ND	ND	4.68 J	ND	ND	ND	6.05 J	ND	ND	ND
	ug/L	07/26/18	4.4	10	--	4.43 J	--	4.90 J	ND	7.68 J	4.54 J	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	4.4	10	--	ND	--	ND	ND	ND	8.31 J	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	4.4	10	--	5.55 J	ND	6.70 J	ND	4.62 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	4.4	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	4.4	10	--	ND	ND	ND	7.83 J	ND	ND	ND	4.52 J	ND	ND	ND	ND
	ug/L	01/19/21	4.4	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	4.4	10	--	ND	ND	4.66 J	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	08/30/21	4.4	10	--	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	01/26/22	4.4	10	--	ND	ND	ND	ND	ND	ND	ND	ND	4.59 J	ND	ND	ND
	ug/L	07/06/22	4.4	10	--	ND	ND	ND	4.63 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	8.7	20	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient								Blanks
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2	
Iron	ug/L	01/16/07	--	--	--	2530	--	3410	80 J	1020	9860	700	16400	680	--	--	--
NC 2L = 300 ug/L	ug/L	07/02/07	--	--	300	1510	--	18600	46 J	314	4960	592	19500	497	--	--	--
EPA MCL = 300 ug/L*	ug/L	01/30/08	--	--	300	533	--	327	31 J	2220	21100	106 J	3320	1110	--	--	ND
	ug/L	07/17/08	--	--	300	161 J	--	10300	ND	1730	8620	ND	448	69 J	--	--	ND
	ug/L	01/14/09	--	--	300	65 J	--	2740	26 J	3300	28800	1110	--	--	--	--	ND
	ug/L	07/16/09	--	--	300	84.2 J	--	18000	ND	2490	7570	642	--	--	--	--	ND
	ug/L	01/04/10	--	--	300	155 J	--	10700	90.1 J	1980	33600	1750	58.6 J	228 J	--	--	ND
	ug/L	07/01/10	--	--	300	42.7 J	--	21100	63.2 J	1050	42000	4290	132 J	ND	--	--	ND
	ug/L	01/13/11	--	--	300	30.4 J	--	29100	36.4 J	803	4120	1170	269 J	90.9 J	--	--	ND
	ug/L	07/21/11	--	--	300	44.5 J	--	35900	47.1 J	21100	37800	1900	85.7 J	41.0 J	--	--	--
	ug/L	01/16/12	--	--	300	133 J	--	15700	37.9 J	11300	45400	5270	90.1 J	27.6 J	--	--	ND
	ug/L	07/09/12	--	--	300	32.7 J	--	44700	28.2 J	1800	17000	7570	43.8 J	49.2 J	--	--	ND
	ug/L	01/14/13	--	--	300	50.4 J	--	31300	72.9 J	1440	5230	3040	143 J	148 J	--	--	ND
	ug/L	07/09/13	--	--	300	76.6 J	--	27200	39.0 J	1690	41300	2080	79.4 J	325	--	--	ND
	ug/L	01/30/14	--	--	300	87.8 J	--	24500	208 J	5330	56300	2110	49.6 J	2570	--	--	ND
	ug/L	07/08/14	--	--	300	ND	--	56100	65.3 J	1400	35300	4260	61.3 J	3900	--	--	ND
	ug/L	03/03/15	22	--	300	61.4 B	--	30800	38.2 B	1860	91700	3660	ND	6600	--	--	73.8
	ug/L	08/12/15	22	--	300	ND	--	59100	47.7 J	1630	46200	9550	28.6 J	876	--	--	ND
	ug/L	02/17/16	22	--	300	51.8 J	--	21200	100 J	2440	39400	5840	38.4 J	1020	--	--	ND
	ug/L	07/14/16	22	--	300	ND	--	27800	48.8 B	907	35500	6010	38.4 B	4620	--	--	23.3 J
	ug/L	01/11/17	22	--	300	61.7 J	--	46000	67.1 J	4860	57000	4240	ND	2090	1590	525	ND
	ug/L	07/11/17	22	--	300	29.7 J	--	33200	62.6 J	1160	44100	7870	ND	3940	1290	2590	ND
Dissolved	ug/L	07/11/17	22	--	300	--	--	--	--	--	--	--	--	--	--	26.7 J	--
	ug/L	01/09/18	22	--	300	54.9 J	--	51600	91.9 J	5770	15500	6680	33.7 J	781	1890	3950	ND
	ug/L	07/26/18	22	50	--	25.3 J	--	45400	76.5	549	29500	7800	ND	1000	4750	5410	ND
	ug/L	01/30/19	22	50	--	23.3 J	--	14100	41.7 J	643	35200	6900	24.1 J	2010	5730	3140	ND
	ug/L	07/10/19	22	50	--	26.7 J	483	56100	66.1	835	24100	12600	55.8	3770	3440	5070	ND
	ug/L	01/29/20	22	50	--	ND	ND	13500	432	538	45700	7690	24.2 J	1010	10500	2620	ND
	ug/L	07/07/20	22	50	--	117	162	36100	355	575	33600	8510	80.3	4250	7760	4340	ND
	ug/L	01/19/21	22	50	--	ND	177	22800	291	1720	40200	10100	ND	5460	14900	4970	ND
	ug/L	08/18/21	22	50	--	ND	78.5	40100	353	946	11800	12000	39.9 J	2640	11700	--	ND
	ug/L	08/30/21	22	50	--	--	--	--	--	--	--	--	--	--	--	7020	ND
	ug/L	01/26/22	22	50	--	ND	134	17200	3480	976	45300	4270	51.1	2410	11700	163	ND
	ug/L	07/06/22	22	50	--	ND	150	42700	673	1160	37600	18000	72.9	7360	7310	7740	ND
	ug/L	01/23/23	20	100	--	ND	3600	19000	4700	810	35000	13000	65 J	4300	13000	2600	ND
Manganese	ug/L	01/16/07	--	--	--	50.6	--	6160	4.7 J	39.1	2620	361	205	204	--	--	--
NC 2L = 50 ug/L	ug/L	07/02/07	--	--	50	30.6 J	--	9540	4.2 J	29.5 J	1040	21.3 J	229	244	--	--	--
EPA MCL = 50 ug/L*	ug/L	01/30/08	--	--	50	16.1 J	--	7760	8.0 J	27.3 J	4340	12.6 J	64.8	208	--	--	ND
	ug/L	07/17/08	--	--	50	26.7 J	--	25900	14.1 J	35.8 J	1080	10.5 J	11.1 J	94.2	--	--	ND
	ug/L	01/14/09	--	--	50	3.5 J	--	10400	10.7 J	24.4 J	3450	718	--	--	--	--	ND
	ug/L	07/16/09	--	--	50	15.7 J	--	25200	16.8 J	76.9	2480	340	--	--	--	--	ND
	ug/L	01/04/10	--	--	50	5.12 J	--	13200	21.9 J	36.3 J	3200	707	2.50 J	77.3	--	--	ND
	ug/L	07/01/10	--	--	50	8.43 B	--	15300	21.0 J	42.3 J	3420	1850	6.80 B	85.1	--	--	2.75
	ug/L	01/13/11	--	--	50	6.90 J	--	20100	20.9 J	17.7 J	3290	2490	9.13 J	73.4	--	--	ND
	ug/L	07/21/11	--	--	50	6.10 J	--	19600	19.0 J	54.5	3020	2470	3.62 J	551	--	--	--
	ug/L	01/16/12	--	--	50	5.41 J	--	8520	22.4 J	37.6 J	3280	2440	ND	73.1	--	--	ND
	ug/L	07/09/12	--	--	50	3.82 J	--	17900	12.1 J	54.2	1890	3530	1.79 J	1160	--	--	ND
	ug/L	01/14/13	--	--	50	4.14 B	--	14300	24.2 J	92.2	2280	2720	4.32 B	183	--	--	1.28
	ug/L	07/09/13	--	--	50	18.1 J	--	19000	16.9 J	62.6	2290	1790	6.22 J	1840	--	--	ND
	ug/L	01/30/14	--	--	50	7.75 J	--	16800	36.8 J	37.8 J	3120	2580	2.73 J	2090	--	--	ND
	ug/L	07/08/14	--	--	50	5.04 B	--	24900	16.4 J	59.0	2060	2640	8.60 B	2010	--	--	1.97
	ug/L	03/03/15	1.1	--	50	6.00 J	--	17300	16.1 J	20.4 J	2480	3120	ND	2480	--	--	ND
	ug/L	08/12/15	1.1	--	50	4.21 B	--	20800	14.3 J	76.4	2410	3030	2.08 B	1670	--	--	1.18
	ug/L	02/17/16	1.1	--	50	7.36 J	--	16800	15.8 J	53.1	2240	3530	2.26 B	2040	--	--	1.19
	ug/L	07/14/16	1.1	--	50	5.24 B	--	18100	12.9 J	51.5	1970	3490	4.93 B	2650	--	--	1.82 J
	ug/L	01/11/17	1.1	--	50	5.30 J	--	24800	17.6 J	34.6 J	2860	4090	1.44 J	4820	2980	1150	ND
	ug/L	07/11/17	1.1	--	50	7.16 J	--	18200	14.6 J	44.6 J	1940	3760	1.58 J	8540	2930	1670	ND
Dissolved	ug/L	07/11/17	1.1	--	50	--	--	--	--	--	--	--	--	7840	2960	1570	ND
	ug/L	01/09/18	1.1	--	50	6.80 B	--	21400	26.0 J	97.6 (92.2)	1800	5450	3.06 B	19300 (16600)	3620	3340	2.57 J
Dissolved	ug/L	01/09/18	1.1	--	50	--	--	--	--	--	--	--	--	16800	--	--	ND
Verification Event	ug/L	03/16/18	1.1	--	50	--	--	--	--	--	--	--	--	19600	--	--	ND
Dissolved	ug/L	03/16/18	1.1	--	50	--	--	--	--	--	--	--	--	20200	--	--	ND
	ug/L	07/26/18	1.5	10	--	5.21 B	--	15400	13.2 B	74.6	1800	4950	ND	19500	4740	3590	2.80 J
	ug/L	01/30/19	1.5	10	--	5.24 J	--	9540	15.1	40.2	1540	4840	ND	20900	5980	1910	ND
	ug/L	07/10/19	1.5	10	--	7.49 B	28.3	19000	15.6 B	148	1170	6400	3.07 B	21400	5010	3430	3.63 J
	ug/L	01/29/20	1.5	10	--	5.44 J	25.1	11700	25.5	37.5	2000	6620	2.17 J	26200	7910	1850	ND
	ug/L	07/07/20	1.5	10	--	6.30 J	32.7	14200	59.5	94.3	1050	5740	6.26 J	20800	6630	2850	ND
	ug/L	01/19/21	1.5	10	--	7.81 B	320	14600	23.1	71.3	1360	6730	12.9	28300	11100	2810	2.45 J
	ug/L	08/18/21	1.5	10	--	4.48 J	91.4	11500	20.1	61.2	1600	6990	14.0	25600	8290	--	ND
	ug/L	08/30/21	1.5	10	--	--	--	--	--	--	--	--	--	--	--	4050	ND
	ug/L	01/26/22	1.5	10	--	4.62 J	80.0	8340	67.2	35.3	1670	5700	34.7	29000	10900	566	ND
	ug/L	07/06/22	1.5	10	--	15.0	65.1	10200	41.9	67.6	2020	6300	76.6	28100	4900	4000	1.65 J
	ug/L	01/23/23	1.3	10	--	4.7 J	390	6900	150	33	1300	4800	180	34000	5800	2700	ND
Acetone	ug/L	01/09/06	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 6000 ug/L	ug/L	07/12/06	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
No EPA MCL	ug/L	01/16/07	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	1.2
	ug/L	01/30/08	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	7.1
	ug/L	07/01/10	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	100	ND	--	ND	ND	ND	ND	5.6 J	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	100	ND	--	9.8 J	ND	ND	1.3 J	2.1 J	ND	1.9 J	--	--	ND
	ug/L	03/03/15	1.2	--	100	ND	--	4.4 J	ND	ND	2.5 J	ND	ND	ND	--	--	ND
	ug/L	08/12/15	1.2	--	100	ND	--	ND	ND	ND	ND	11 J	ND	ND	--	--	ND
	ug/L	02/17/16	1.2	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	10	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	10	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	11 J
	ug/L	07/11/17	10	--	100	ND	--	ND	ND	ND	ND	16 J	ND	ND	ND	ND	ND
	ug/L	01/09/18	10	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	17 J
	ug/L	07/26/18	10	20	--	ND	--	11 J	ND	ND	ND	14 J	ND	ND	ND	ND	ND
	ug/L	01/30/19	10	20	--	ND	--	ND	ND	ND	ND	17 J	ND	ND	ND	ND	ND
	ug/L	07/10/19	10	20	--	ND	--	36	ND	ND	ND	13 J	ND	ND	ND	ND	ND
	ug/L	01/29/20	10	20	--	ND	--	11 J	ND	ND	ND	16 J	ND	ND	12 J	ND	ND
	ug/L	07/07/20	10	20	--	ND	--	28	ND	ND	ND	12 J	ND	ND	ND	ND	ND
	ug/L	01/19/21	10	20	--	ND	--	19 B	ND	ND	ND	ND	ND	ND	ND	20 B	25
	ug/L	08/18/21	10	20	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND
	ug/L	08/30/21	10	20	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND
	ug/L	01/26/22	10	20	--	ND	--	15 B	ND	ND	ND	ND	ND	ND	13 B	ND	13 J
	ug/L	07/06/22	10	20	--	ND	--	19 J	ND	ND	ND	16 J	ND	ND	ND	13 J	ND
	ug/L	01/23/23	10	20	--	ND	--	23 B	ND	ND	ND	49 B	ND	21 B	13 B	11 B	21
Benzene	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 1 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 5 ug/L	ug/L	01/16/07	--	--	3	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	ND	--	0.78 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	--	0.72 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	--	0.57 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	ND	--	1.6	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.15	--	1	ND	--	0.79 J	ND	ND	ND	ND	ND	0.49 J	--	--	ND
	ug/L	08/12/15	0.15	--	1	ND	--	2.0	ND	ND	ND	ND	ND	ND	--	--	ND
Verification Event	ug/L	09/28/15	0.15	--	1	--	--	2.6	--	--	--	--	--	--	--	--	ND
	ug/L	02/17/16	0.15	--	1	ND	--	0.98 J	ND	ND	ND	0.63 J	ND	ND	--	--	ND
	ug/L	07/14/16	0.15	--	1	ND	--	1.7	ND	ND	ND	1.0	ND	0.44 J	--	--	ND
Verification Event	ug/L	08/04/16	0.15	--	1	--	--	1.0	--	--	--	1.1	--	--	--	--	ND
	ug/L	01/11/17	0.15	--	1	ND	--	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.15	--	1	ND	--	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.15	--	1	ND	--	ND	ND	ND	ND	2.1	ND	0.63 J	ND	1.4	ND
Verification Event	ug/L	03/16/18	0.15	--	1	--	--	--	--	--	--	--	--	--	--	ND	ND
	ug/L	07/26/18	0.15	1.0	--	ND	--	2.8	ND	ND	ND	1.7	ND	1.2	ND	1.2	ND
Verification Event	ug/L	09/10/18	0.15	1.0	--	--	--	2.2	--	--	--	--	--	ND	--	ND	ND
	ug/L	01/30/19	0.15	1.0	--	ND	--	1.1	ND	ND	ND	3.6	ND	0.86 J	0.40 J	0.72 J	ND
	ug/L	07/10/19	0.15	1.0	--	ND	--	3.3	ND	ND	ND	4.5	ND	ND	ND	1.8	ND
Verification Event	ug/L	10/04/19	0.15	1.0	--	ND	--	--	--	--	--	--	--	--	--	2.7	ND
	ug/L	01/29/20	0.15	1.0	--	ND	--	0.57 J	ND	ND	ND	2.2	ND	0.57 J	0.85 J	ND	ND
	ug/L	07/07/20	0.15	1.0	--	ND	--	2.1	ND	ND	ND	3.0	ND	0.97 J	0.45 J	1.7	ND
	ug/L	01/19/21	0.15	1.0	--	ND	--	1.9	ND	ND	ND	5.0	ND	1.7	1.2	1.0	ND
Verification Event	ug/L	02/24/21	0.15	1.0	--	ND	--	--	--	--	--	--	--	1.5	1.6	--	ND
	ug/L	08/18/21	0.15	1.0	--	--	--	3.6	--	ND	ND	4.7	--	1.7	0.53 J	--	ND
	ug/L	08/30/21	0.15	1.0	--	ND	--	--	ND	--	--	--	0.44 J	--	--	2.6	ND
	ug/L	01/26/22	0.15	1.0	--	ND	--	1.7	ND	ND	ND	2.7	0.73 J	1.3	1.0	ND	ND
	ug/L	07/06/22	0.15	1.0	--	ND	--	4.2	ND	ND	ND	3.5	0.85 J	2.3	ND	2.1	ND
	ug/L	01/23/23	0.15	1.0	--	ND	--	1.5	ND	ND	ND	2.8	1.2	1.6	0.62 J	0.87 J	ND

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2	
1,1-Dichloroethane	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 6 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
No EPA MCL	ug/L	01/16/07	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND
	ug/L	01/30/19	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	0.54 J	ND	ND	ND	ND
	ug/L	08/18/21	0.13	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND
	ug/L	08/30/21	0.13	1.0	--	ND	--	--	ND	--	--	--	0.68 J	--	--	ND	ND
	ug/L	01/26/22	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	0.48 J	0.44 J	ND	ND	ND
	ug/L	01/23/23	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 0.4 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 5 ug/L	ug/L	01/16/07	--	--	3	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	ND	--	**0.57 J**	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.21	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	0.21	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND
	ug/L	08/30/21	0.21	1.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND
	ug/L	01/26/22	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	0.21	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 70 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 70 ug/L	ug/L	01/16/07	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	5	ND	--	0.87 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	5	ND	--	0.83 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	5	ND	--	0.69 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.15	--	5	ND	--	ND	ND	ND	ND	ND	ND	0.47 J	--	--	ND
	ug/L	08/12/15	0.15	--	5	ND	--	0.57 J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.15	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.15	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.15	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.15	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.15	--	5	ND	--	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND
	ug/L	07/26/18	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND
	ug/L	01/30/19	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	0.81 J	ND	ND	ND
	ug/L	07/10/19	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND
	ug/L	01/29/20	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND
	ug/L	08/18/21	0.15	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND
	ug/L	08/30/21	0.15	1.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND
	ug/L	01/26/22	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	0.15	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks	
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2		
Ethylbenzene	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
NC 2L = 600 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
EPA MCL = 700 ug/L	ug/L	01/16/07	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/16/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/04/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	08/12/15	0.13	--	1	ND	--	0.46 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	02/17/16	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/14/16	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/11/17	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/11/17	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/09/18	0.13	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/10/19	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/29/20	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/07/20	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/19/21	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	08/18/21	0.13	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	
	ug/L	08/30/21	0.13	1.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND	
	ug/L	01/26/22	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/06/22	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/23/23	0.13	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride	ug/L	01/09/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
NC 2L = 5 ug/L	ug/L	07/12/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
EPA MCL = 5 ug/L	ug/L	01/16/07	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/16/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/04/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	1	ND	--	0.51 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/12	--	--	1	ND	--	0.92 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/13	--	--	1	ND	--	1.1	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	1	ND	--	0.41 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	0.23	--	1	ND	--	0.48 J	ND	ND	ND	ND	ND	0.84 J	--	--	ND	
	ug/L	08/12/15	0.23	--	1	ND	--	ND	ND	ND	ND	ND	ND	0.96 J	--	--	ND	
	ug/L	02/17/16	0.23	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/14/16	0.23	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/11/17	0.23	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	
	ug/L	07/11/17	0.23	--	1	ND	--	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND	
	ug/L	01/09/18	0.23	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	
	ug/L	07/10/19	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	1.2 B	ND	ND	0.53 J	
	ug/L	01/29/20	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	0.95 J	ND	ND	ND	
	ug/L	07/07/20	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	
	ug/L	01/19/21	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	08/18/21	0.23	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	
	ug/L	08/30/21	0.23	1.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	0.41 J	
	ug/L	01/26/22	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	0.55 J	0.62 J	ND	ND	ND	
	ug/L	07/06/22	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	
	ug/L	01/23/23	0.23	1.0	--	ND	--	ND	ND	ND	ND	ND	0.58 B	ND	ND	ND	0.26 J	
2-Butanone	ug/L	01/09/06	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
NC 2L = 4000 ug/L	ug/L	07/12/06	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
No EPA MCL	ug/L	01/16/07	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/02/07	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/17/08	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/16/09	--	--	100	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/04/10	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/01/10	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/13/11	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/21/11	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/12	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/13	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	--	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	08/12/15	1.3	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	02/17/16	1.3	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/14/16	1.3	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/11/17	1.3	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/11/17	1.3	--	100	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/09/18	1.3	--	100	ND	--	80 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/10/19	1.3	5.0	--	ND	--	2.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/29/20	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/07/20	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/19/21	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	08/18/21	1.3	5.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	
	ug/L	08/30/21	1.3	5.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND	
	ug/L	01/26/22	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/06/22	1.3	5.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/23/23	10	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
NC 2L = 600 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
EPA MCL = 1000 ug/L	ug/L	01/16/07	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	0.63	
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	07/16/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND	
	ug/L	01/04/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/14/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/09/13	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	07/08/14	--	--	1	ND	--	0.43 J	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	03/03/15	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	08/12/15	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	02/17/16	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	1.2	--	--	ND	
	ug/L	07/14/16	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	2.0	--	--	ND	
	ug/L	01/11/17	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/11/17	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/09/18	0.14	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/26/18	0.14	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/30/19	0.14	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/10/19	0.14	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/29/20	0.14	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/07/20	0.14	1.0	--	ND	--	0.50 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	01/19/21	0.14	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	0.62 J	ND	ND	ND	
	ug/L	08/18/21	0.14	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	
	ug/L	08/30/21	0.14	1.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND	
	ug/L	01/26/22	0.14	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/06/22	0.14	1.0	--	ND	--	0.57 B	ND	ND	ND	ND	ND	ND	ND	ND	2.1	
	ug/L	01/23/23	0.14	1.0	--	ND	--	0.18 J	ND	ND	ND	0.17 J	ND	0.31 J	ND	ND	ND	

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks
						MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2	
Vinyl chloride	ug/L	01/09/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 0.03 ug/L	ug/L	07/12/06	--	--	10	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 2 ug/L	ug/L	01/16/07	--	--	5.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	1	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	ND	--	**0.78** J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	--	**0.93** J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	--	**0.90** J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	ND	--	**1.40**	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	0.32	--	1	ND	--	**0.58** J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.32	--	1	ND	--	**0.95** J	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.32	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.32	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.32	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.32	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.32	--	1	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/10/19	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/29/20	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/07/20	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/19/21	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	**0.74** J	ND	ND	ND
	ug/L	08/18/21	0.32	1.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND
	ug/L	08/30/21	0.32	1.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND
	ug/L	01/26/22	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	**0.56** J	ND	ND	ND
	ug/L	07/06/22	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	**0.41** J	**1.0**	ND	ND	ND
	ug/L	01/23/23	0.32	1.0	--	ND	--	ND	ND	ND	ND	ND	ND	**0.96** J	ND	ND	ND
Xylenes (Total)	ug/L	01/09/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
NC 2L = 500 ug/L	ug/L	07/12/06	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
EPA MCL = 10,000 ug/L	ug/L	07/02/07	--	--	4	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/08	--	--	10	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/09	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	07/16/09	--	--	5	ND	--	ND	ND	ND	ND	ND	--	--	--	--	ND
	ug/L	01/04/10	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/13/11	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/12	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/03/15	--	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.45	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	02/17/16	0.45	--	5	ND	--	ND	ND	ND	ND	0.71 J	ND	ND	--	--	ND
	ug/L	07/14/16	0.45	--	5	ND	--	ND	ND	ND	ND	0.50 J	ND	ND	--	--	ND
	ug/L	01/11/17	0.45	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/11/17	0.45	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/09/18	0.45	--	5	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/26/18	0.45	3.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/30/19	0.45	3.0	--	ND	--	ND	ND	ND	ND	0.51 J	ND	ND	ND	ND	ND
	ug/L	07/10/19	0.45	3.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND
	ug/L	01/29/20	0.45	3.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	ND
	ug/L	07/07/20	0.45	3.0	--	ND	--	1.2 J	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND
	ug/L	01/19/21	0.45	3.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	0.45	3.0	--	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND
	ug/L	08/30/21	0.45	3.0	--	ND	--	--	ND	--	--	--	ND	--	--	ND	ND
	ug/L	01/26/22	0.45	3.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.45	3.0	--	ND	-	2.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/23/23	0.45	3.0	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ug/L	07/26/18	1.2	2.0	--	ND	--	**67**	ND	1.5 J	**14**	**210**	ND	**25**	**16**	**180**	ND
NC 2L = 3 ug/L	ug/L	01/30/19	1.2	2.0	--	ND	--	**29**	ND	1.3 J	**3.4**	**290**	ND	**35**	**20**	**97**	ND
No EPA MCL	ug/L	07/10/19	1.2	2.0	--	ND	--	**92**	ND	1.4 J	**4.8**	**260**	1.3 J	**28**	**13**	**140**	ND
	ug/L	01/29/20	0.8	2.0	--	ND	--	**33**	ND	0.93 J	**9.8**	**220**	1.8 J	**32**	**25**	**45**	ND
	ug/L	07/07/20	0.8	2.0	--	ND	--	**71**	ND	1.8 J	**8.9**	**240**	**3.5**	**34**	**25**	**110**	ND
	ug/L	01/19/21	0.8	2.0	--	ND	--	**50**	ND	2.2	**3.0**	**200**	**5.8**	**43**	**35**	**69**	ND
	ug/L	08/18/21	0.8	2.0	--	--	--	**110**	--	**5.3**	**10**	**260**	--	**60**	**37**	--	ND
	ug/L	08/30/21	0.8	2.0	--	1.4 J	--	--	1.3 J	--	--	--	**12**	--	**--**	**150**	ND
	ug/L	01/26/22	0.8	2.0	--	2.8 B	**--**	**71**	**3.1** B	**4.8** B	**6.6** B	**210**	**16**	**B** **61**	**49**	**22**	**B** 6.5
	ug/L	07/06/22	0.8	2.0	--	ND	--	**76**	0.93 J	**3.5**	**10**	**170**	**18**	**54**	**20**	**92**	ND
	ug/L	01/23/23	0.32	0.5	--	ND	--	**41**	2.3	2.3	1.5	**140**	**23**	**58**	**23**	**54**	ND
Tetrahydrofuran	ug/L	01/13/11	--	--	--	ND	--	ND	ND	ND	ND	6.2	ND	ND	--	--	ND
NC 2L = 2000 ug/L	ug/L	07/21/11	--	--	--	ND	--	ND	ND	ND	ND	21	ND	ND	--	--	ND
No EPA MCL	ug/L	01/16/12	--	--	--	ND	--	ND	ND	ND	ND	61	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	--	ND	--	ND	ND	ND	ND	30	ND	ND	--	--	ND
	ug/L	01/14/13	--	--	--	ND	--	0.95 J	ND	ND	ND	22	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	--	ND	--	ND	ND	ND	ND	8.1	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	--	ND	--	3.3	ND	ND	ND	14	ND	ND	--	--	ND
	ug/L	03/03/15	0.80	--	--	ND	--	1.4	ND	ND	ND	6.3	ND	ND	--	--	ND
	ug/L	08/12/15	0.80	--	--	2.8	--	ND	1.5	ND	ND	25	ND	ND	--	--	ND
	ug/L	02/17/16	0.80	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.80	--	--	ND	--	ND	ND	ND	ND	5.6	ND	ND	--	--	ND
	ug/L	01/11/17	0.80	--	--	ND	--	ND	ND	ND	ND	15	ND	ND	ND	36	ND
	ug/L	07/11/17	0.80	--	--	ND	--	ND	ND	ND	ND	21	ND	2.2 J	ND	18	ND
	ug/L	01/09/18	0.53	--	--	ND	--	12	ND	ND	ND	50	ND	ND	0.65 J	85	ND
	ug/L	07/26/18	0.53	1	--	ND	--	0.77 J	ND	ND	ND	66	ND	ND	ND	130	ND
	ug/L	01/30/19	0.53	1	--	ND	--	ND	ND	ND	ND	99	ND	ND	ND	31	4.4
	ug/L	07/10/19	0.53	1	--	ND	--	38	ND	ND	ND	98	ND	6.8	1.4	47	ND
	ug/L	01/29/20	0.53	1	--	ND	--	ND	ND	ND	ND	81	ND	ND	ND	15	ND
	ug/L	07/07/20	0.53	1	--	ND	--	ND	ND	ND	ND	89	ND	ND	ND	57	ND
	ug/L	01/19/21	0.53	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	08/18/21	0.53	1	--	--	--	ND	--	ND	ND	150	--	69	ND	--	ND
	ug/L	08/30/21	0.53	1	--	ND	--	--	ND	--	--	--	ND	--	--	88	ND
	ug/L	01/26/22	0.53	1	--	ND	--	ND	ND	ND	ND	110	ND	ND	ND	19	ND
	ug/L	07/06/22	0.53	1	--	ND	--	11	ND	ND	ND	130	ND	16	ND	130	ND
	ug/L	01/23/23	0.53	1	--	ND	--	ND	ND	ND	ND	99	ND	ND	ND	54	ND

TABLE 4

Summary of Detected Constituents in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting	Upgradient		Downgradient									Blanks	
						MW-1	P-3	MW-2	MW-3		MW-4S	MW-5	MW-6	MW-7S		MW-8	AMW-1	AMW-2		
Chloride	mg/L	01/16/07	--	--	--	11.0	--	13.0	4.0		7.0	19.0	16.0	4.0		11.0	--	--	--	
NC 2L = 250 mg/L	mg/L	07/02/07	--	--	--	5.2	--	6.9	2.8	B	7.0	9.0	9.3	3.3		6.7	--	--	0.57	
EPA MCL = 250 ug/L*	mg/L	01/30/08	--	--	--	6.5	--	10	3.3	J	10	16	15	3.3	J	9.4	--	--	ND	
	mg/L	07/17/08	--	--	--	8.0	--	14	4.3	B	9.8	21	14	3.9	B	8.4	--	--	1.3	
	mg/L	01/14/09	--	--	--	7.2	--	6.9	1.8	J	5.0	12	14	--		--	--	--	ND	
	mg/L	07/16/09	--	--	--	8.4	--	12	5.3		12	17	15	--		--	--	--	ND	
	mg/L	01/04/10	--	--	--	9.7	--	8.0	6.4		7.4	10	20	5.0		7.0	--	--	ND	
	mg/L	07/01/10	--	--	--	9.9	--	10	5.5		7.7	10	40	5.1		7.2	--	--	ND	
	mg/L	01/13/11	--	--	--	10	--	24	5.8		12	11	41	4.9	J	7.7	--	--	ND	
	mg/L	07/21/11	--	--	--	12	--	30	3.8	B	13	14	47	4.5	B	8.2	--	--	1.5	
	mg/L	01/16/12	--	--	--	13	--	21	4.1		6.9	7	63	4.7		8.8	--	--	ND	
	mg/L	07/09/12	--	--	--	14	--	24	4.0	B	11	14	66	4.8	B	11	--	--	1.4	
	mg/L	01/14/13	--	--	--	14	--	61	5.3	B	12	5.8	55	4.9	B	12	--	--	1.4	J
	mg/L	07/09/13	--	--	--	15	--	61	4.2	J	7.5	7.1	46	5.3		14	--	--	ND	
	mg/L	01/30/14	--	--	--	14	--	48	6.6		7.2	3.5	55	5.3		19	--	--	ND	
	mg/L	07/08/14	--	--	--	16	--	120	6.3		8.6	9.1	63	5.5		28	--	--	ND	
	mg/L	03/03/15	2.2	--	--	16	--	130	6.5		5.7	3.2	J 71	5.6		42	--	--	ND	
	mg/L	08/12/15	2.2	--	--	21	--	150	5.3		14	11	76	6.2		32	--	--	ND	J
	mg/L	02/17/16	2.2	--	--	17	--	110	15		7.1	4.2	J 100	5.2		40	--	--	ND	
	mg/L	07/14/16	2.2	--	--	22	--	140	9.1		13	11	110	6.2		57	--	--	ND	
	mg/L	01/11/17	2.2	--	--	22	--	220	8.4		19	3.9	J 120	5.9		66	34	75	ND	
	mg/L	07/11/17	2.2	--	--	22	--	110	5.8		12	4.3	J 130	5.9		83	17	68	ND	
	mg/L	01/09/18	2.2	--	--	21	--	210	9.4		23	17	160	6.2		96	45	140	ND	
	mg/L	07/26/18	2.2	5	--	17	--	200	6.1		16	13	180	6.5		110	46	140	ND	
	mg/L	01/30/19	2.2	5	--	18	--	73	20		10	3.8	J 180	7.2		120	46	61	ND	
	mg/L	07/10/19	2.2	5	--	18	--	190	12		13	8.0	210	7.9		110	39	130	ND	
	mg/L	01/29/20	2.2	5	--	20	--	94	10		12	5.4	200	12		140	81	52	ND	
	mg/L	07/07/20	2.2	5	--	17	--	180	12		15	6.4	220	15		130	73	130	ND	
	mg/L	01/19/21	2.2	5	--	16	--	130	12		14	3.3	J 210	24		160	96	76	ND	
	mg/L	08/18/21	2.2	5	--	17	--	200	10		20	12	220	38		150	100	--	ND	
	mg/L	08/30/21	2.2	5	--	--	--	--	--		--	--	--	--		--	--	150	ND	
	mg/L	01/26/22	2.2	5	--	22	--	170	13		17	3.6	J 200	54		180	140	54	ND	
	mg/L	07/06/22	2.2	5	--	16	--	200	8.9	B	29	9.0	B 210	69		180	62	110	2.2	J
	mg/L	01/23/23	2.2	5	--	15	--	110	14		17	2.7	160	82		170	72	73	ND	
Total Dissolved Solids	mg/L	01/16/07	--	--	--	214	--	180	68		82	280	212	236		236	--	--	--	
NC 2L = 500 mg/L	mg/L	07/02/07	--	--	--	190	--	180	74		82	200	260	150		200	--	--	ND	
EPA MCL = 500 ug/L*	mg/L	01/30/08	--	--	--	210	--	200	100		110	410	310	180		240	--	--	ND	
	mg/L	07/17/08	--	--	--	220	--	270	54		90	280	220	140		190	--	--	ND	
	mg/L	01/14/09	--	--	--	240	--	190	100		100	320	240	--		--	--	--	ND	
	mg/L	07/16/09	--	--	--	240	--	360	110		120	260	280	--		--	--	--	ND	
	mg/L	01/04/10	--	--	--	280	--	230	86		82	260	310	160		210	--	--	ND	
	mg/L	07/01/10	--	--	--	270	--	310	86		96	250	480	190		240	--	--	ND	
	mg/L	01/13/11	--	--	--	220	--	330	190		150	280	490	190		220	--	--	ND	
	mg/L	07/21/11	--	--	--	260	--	370	48		120	320	**520**	190		230	--	--	ND	
	mg/L	01/16/12	--	--	--	300	--	300	98		94	280	**560**	180		250	--	--	ND	
	mg/L	07/09/12	--	--	--	330	--	**550**	96		140	270	**760**	230		340	--	--	ND	
	mg/L	01/14/13	--	--	--	350	--	**580**	120		130	290	**670**	200		370	--	--	ND	
	mg/L	07/09/13	--	--	--	350	--	**530**	64		70	230	**600**	190		360	--	--	ND	
	mg/L	01/30/14	--	--	--	350	--	**500**	88		130	180	**660**	210		400	--	--	ND	
	mg/L	07/08/14	--	--	--	360	--	**910**	66		110	230	**750**	210		460	--	--	ND	
	mg/L	03/03/15	10	--	--	390	--	**770**	56		56	120	**860**	210		510	--	--	ND	
	mg/L	08/12/15	50	--	--	370	--	**1200**	ND		130	200	**860**	210		360	--	--	ND	
	mg/L	02/17/16	50	--	--	430	--	**810**	110		100	150	**1100**	240		450	--	--	ND	
	mg/L	07/14/16	50	--	--	390	--	**940**	72		90	220	**1100**	250		470	--	--	ND	
	mg/L	01/11/17	50	--	--	430	--	**1600**	86		120	210	**1300**	280		**540**	240	**550**	ND	
	mg/L	07/11/17	50	--	--	390	--	**1100**	ND		110	130	**1300**	290		**700**	190	**620**	ND	
	mg/L	01/09/18	50	--	--	430	--	**1700**	ND		86	190	**1500**	250		**810**	280	**1100**	ND	
	mg/L	07/26/18	50	50	--	380	--	**1700**	54		120	190	**1500**	260		**880**	400	**1000**	ND	
	mg/L	01/30/19	50	50	--	440	--	**740**	120		**650**	110	**1600**	300		**910**	490	**570**	ND	
	mg/L	07/10/19	50	50	--	410	--	**1800**	82		76	160	**2100**	300		**910**	330	**1200**	ND	
	mg/L	01/29/20	50	50	--	420	--	**1000**	96		80	160	**2100**	340		**1100**	**750**	**540**	ND	
	mg/L	07/07/20	50	50	--	420	--	**1700**	110		130	140	**2300**	390		**1000**	**730**	**1200**	ND	
	mg/L	01/19/21	50	50	--	450	--	**1400**	110		110	120	**2300**	450		**1200**	**970**	**760**	ND	
	mg/L	08/18/21	50	50	--	400	--	**1900**	82		110	220	**2400**	**520**		**1200**	350	--	ND	
	mg/L	08/30/21	50	50	--	--	--	--	--		--	--	--	--		--	--	**1400**	ND	
	mg/L	01/26/22	50	50	--	400	--	**1700**	58		ND	110	**1900**	**550**		**1300**	**1100**	420	ND	
	mg/L	07/06/22	50	50	--	430	--	**2000**	68		140	200	**2000**	**690**		**1400**	**620**	**1100**	ND	
	mg/L	01/23/23	50	50	--	410	--	**1200**	160		**840**	120	**1700**	140		**1500**	**840**	**810**	ND	
Sulfate as SO4	mg/L	01/16/07	--	--	--	48.4	--	44.3	7.03	B	33.4	41.7	51.2	24.0		13.6	--	--	2.25	
NC 2L = 250 mg/L	mg/L	07/02/07	--	--	250	39	--	25	6.4		19	25	69	11		10	--	--	ND	
EPA MCL = 250 ug/L*	mg/L	01/30/08	--	--	250	35 J	--	24 J	5.9	J	23 J	79 J	26 J	10 J		9.2 J	--	--	ND	
	mg/L	07/17/08	--	--	250	62 J	--	41 J	8.9	J	23 J	39 J	73 J	14 J		14 J	--	--	ND	
	mg/L	01/14/09	--	--	250	66 J	--	54 J	11	J	21 J	24 J	73 J	--		--	--	--	ND	
	mg/L	07/16/09	--	--	250	74 J	--	36 J	8.3	J	33 J	33 J	100	--		--	--	--	ND	
	mg/L	01/04/10	--	--	250	95 J	--	37 J	11	J	26 J	25 J	110 J	12 J		19 J	--	--	ND	
	mg/L	07/01/10	--	--	250	93 J	--	41 J	9.6	J	27 J	22 J	150 J	13 J		23 J	--	--	ND	
	mg/L	01/13/11	--	--	250	99 J	--	42 J	10	J	44 J	13 J	140 J	14 J		36 J	--	--	ND	
	mg/L	07/21/11	--	--	250	110 J	--	66 J	8.3	J	40 J	25 J	140 J	15 J		46 J	--	--	ND	
	mg/L	01/16/12	--	--	250	100 J	--	55 J	9.1	J	23 J	13 J	130 J	18 J		50 J	--	--	ND	
	mg/L	07/09/12	--	--	250	110 J	--	26 J	7.9	J	40 J	31 J	190 J	20 J		56 J	--	--	ND	
	mg/L	01/14/13	--	--	250	120 J	--	55 J	13	J	58 J	9.6 J	190 J	23 J		62 J	--	--	ND	
	mg/L	07/09/13	--	--	250	140 J	--	55 J	8.6	J	37 J	17 J	180 J	24 J		71 J	--	--	1.6	
	mg/L	01/30/14	--	--	250	160 J	--	68 J	15	J	52 J	6.4 J	200 J	28 J		67 J	--	--	ND	
	mg/L	07/08/14	--	--	250	150 J	--	45 J	11	J	49 J	26 J	210 J	28 J		87 J	--	--	ND	
	mg/L	03/03/15	2.9	--	250	170 J	--	57 J	11	J	31 J	13 J	**270**	35 J		92 J	--	--	ND	
	mg/L	08/12/15	2.9	--	250	160 J	--	26 J	8.6	J	71 J	19 J	210 J	35 J		54 J	--	--	ND	
	mg/L	02/17/16	2.9	--	250	200 J	--	34 J	15	J	31 J	14 J	200 J	38 J		54 J	--	--	ND	
	mg/L	07/14/16	2.9	--	250	210 J	--	73 J	10	J	56 J	28 J	240 J	45 J		53 J	--	--	ND	
	mg/L	01/11/17	2.9	--	250	210 J	--	27 J	9.6	J	43 J	8.3 J	220 J	43 J		51 J	56 J	120 J	ND	
	mg/L	07/11/17	2.9	--	250	220	--	22 J	9.9	J	39 J	11 J	150 J	46 J		54 J	34 J	99 J	ND	
	mg/L	01/09/18	2.9	--	250	220 J	--	23 J	8.6	J	41 J	36 J	130 J	47 J		60 J	71 J	150 J	ND	
	mg/L	07/26/18	2.9	5	--	210	--	13	8.9		48	29	130	46		58	36	98	ND	
	mg/L	01/30/19	2.9	5	--	230	--	42	12		19	9.6	82	45		61	49	41	ND	
	mg/L	07/10/19	2.9	5	--	220	--	20	12		31	30	62	42		61	39	75	ND	
	mg/L	01/29/20	2.9	5	--	200	--	44	12		27	14	52	41		63	54	39	ND	
	mg/L	07/07/20	2.9	5	--	200	--	20	11		30	14	47	41		60	38	55	ND	
	mg/L	01/19/21	2.9	5	--	200	--	22	13		22	10	43	43		53	33	37	ND	
	mg/L	08/18/21	2.9	5	--	190	--	12	11		31	49	37	43		58	40	--	ND	
	mg/L	08/30/21	2.9	5	--	--	--	--	--		--	--	--	--		--	--	66	ND	
	mg/L	01/26/22	2.9	5	--	200	--	23	8.7		22	16	47	48		70	39	30	ND	
	mg/L	07/06/22	2.9	5	--	200	--	13	9.9		41	35	60	53		68	46	52	ND	
	mg/L	01/23/23	2.9	5	--	190	--	39	9.7		26	14	61	46		65	46	32	ND	
Total Alkalinity	mg/L	01/16/07	--	--	--	39	--	53	5.0		25	17	160	100		170	--	--	--	
No NC 2L Standard	mg/L	07/02/07	--	--	--	20	--	100	46		12	110	100	99		160	--	--	ND	
No EPA MCL	mg/L	01/30/08	--	--	--	--	--	--	--		--	310	--	--		--	--	--	ND	
	mg/L	01/30/08	--	--	--	17	--	81	32		ND	--	89	100		170	--	--	ND	
	mg/L	07/17/08	--	--	--	22	B --	210	30		19	B 180	68	100		150	--	--	4.8	
	mg/L	01/14/09	--	--	--	25	--	88	32		5.6	J 180	42	--		--	--	--	ND	
	mg/L	07/16/09	--	--	--	17	--	150	34		ND	160	59	--		--	--	--	ND	
	mg/L	01/04/10	--	--	--	43	--	160	51		24	100	76	110		160	--	--	ND	
	mg/L	07/01/10	--	--	--	29	--	200	31		13	J 170	85	110		130	--	--	ND	
	mg/L	01/13/11	--	--	--	23	--	230	29		ND	210	140	110		130	--	--	ND	
	mg/L	07/21/11	--	--	--	25	--	170	30		12	J 220	140	110		110	--	--	ND	
	mg/L	01/16/12	--	--	--	26	--	160	28		ND	190	170	110		120	--	--	ND	
	mg/L	07/09/12	--	--	--	23	--	280	31		13	130	200	120		150	--	--	ND	
	mg/L	01/14/13	--	--	--	20	--	280	32		ND	190	190	130		170	--	--	ND	
	mg/L	07/09/13	--	--	--	29	--	260	32		ND	100	160	130		190	--	--	ND	
	mg/L	01/30/14	--	--	--	23	--	250	32		ND	140	210	140		200	--	--	ND	
	mg/L	07/08/14	--	--	--	29	--	500	41		22	110	270	150		230	--	--	ND	
	mg/L	03/03/15	14	--	--	30	--	440	33		ND	110	310	150		270	--	--	ND	
	mg/L	08/12/15	14	--	--	20	--	730	36		17	180	330	150		220	--	--	ND	
	mg/L	02/17/16	14	--	--	23	--	480	39		ND	950	510	160		250	--	--	ND	
	mg/L	07/14/16	70	--	--	23	--	550	33		15	130	560	170		290	--	--	ND	
	mg/L	01/11/17	14	--	--	27	--	990	33		ND	190	640	170		320	78	200	ND	
	mg/L	07/11/17	14	--	--	22	--	680	26		17	100	790	180		380	98	300	ND	
	mg/L	01/09/18	14	--	--	24	--	1200	32		ND	120	940	180		510	100	590	ND	
	mg/L	07/26/18	14	15	--	ND	--	1100	32		23	120	920	180		500	190	590	ND	
	mg/L	01/30/19	14	15	--	ND	--	480	47		ND	110	1100	180		550	280	350	ND	
	mg/L	07/10/19	14	15	--	ND	--	1100	36		ND	88	1400	200		480	170	740	ND	
	mg/L	01/29/20	14	15	--	ND	--	610	33		14	J 72	1500	240		610	370	330	ND	
	mg/L	07/07/20	14	15	--	ND	--	1300	30		ND	86	1600	270		600	450	760	ND	
	mg/L	01/19/21	14	15	--	14 J	--	1000	39		ND	77	1600	310		680	700	420	ND	
	mg/L	08/18/21	14	15	--	22	--	1500	30		23	130	1800	360		660	450	--	ND	
	mg/L	08/30/21	14	15	--	--	--	--	--		--	--	--	--		--	--	980	ND	
	mg/L	01/26/22	14	15	--	18	--	1300	45		ND	88	1600	420		850	780	270	ND	
	mg/L	07/06/22	14	15	--	22	--	1500	28		22	120	1500	470		840	380	800	ND	
	mg/L	01/23/23	2.2	5	--	25	--	970	60		21	80	1200	560		890	600	560	ND	

Notes:
1. MW = groundwater monitoring well
2. ug/L = micrograms per liter
3. mg/L = milligrams per liter
4. J = Prior to the 07/18 event, J flags are estimated values below the SWS Reporting limit. Beginning with the 07/18 event, J flags are estimated values between MDL and PQL.
5. B = blank-qualified data
6. ND = not detected at or above the stated reporting limit
7. Standards = NC 2L Groundwater Standards or North Carolina Solid Waste Section Groundwater Protection Standards
8. --- = no data available
9. Bolded = Concentrations above the current NC 2L Groundwater Standards or Solid Waste Section Groundwater Protection Standards (SWS GPS) have been bolded.
10. Shaded = Concentrations above the current EPA Maximum Contaminate Level (MCL) have been shaded.
11. Blanks = Field, trip, and laboratory blanks.
12. SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting in 01/18/07
13. # = EPA Action Level
14. * = EPA Secondary MCL
15. Data prior to 01/09/06 provided by Joyce Engineering, Inc.
16. P-3 added as an additional upgradient well for Appendix 1 metals sampling as of 07/10/19
17. Data in parentheses are re-analsyes results.
18. The following dilutions were noted for the January 2023 event: 1,4-Dioxane (10x) at MW-2, MW-6, MW-7S, MW-8, AMW-1, AMW-2; Selenium (10x) at MW-8; Silver (10x) at MW-8; Manganese (10x) at MW-8.

Summary of Field Parameters in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	Upgradient		Downgradient								
			MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2
pH (Field)	S.U.	07/06/05	6.47	--	5.44	6.00	5.85	5.88	6.42	--	--	--	--
	S.U.	01/09/06	5.96	--	5.76	6.37	6.02	6.27	6.10	--	--	--	--
	S.U.	07/12/06	6.20	--	5.64	6.10	5.70	6.38	6.85	--	--	--	--
	S.U.	01/16/07	7.35	--	6.82	6.88	6.61	6.22	6.59	6.74	7.20	--	--
	S.U.	07/02/07	7.47	--	7.24	7.14	6.77	7.13	7.40	7.30	7.13	--	--
	S.U.	01/30/08	5.78	--	5.51	5.92	5.34	6.29	6.25	6.58	7.35	--	--
	S.U.	07/17/08	5.75	--	5.75	5.70	5.86	6.05	5.91	6.47	7.23	--	--
	S.U.	01/14/09	5.77	--	5.64	5.60	5.11	6.28	5.45	--	--	--	--
	S.U.	07/16/09	5.64	--	5.85	5.59	5.30	6.04	5.96	--	--	--	--
	S.U.	01/04/10	5.49	--	5.59	5.36	4.73	6.08	6.05	6.30	6.96	--	--
	S.U.	07/01/10	5.53	--	5.72	5.37	5.22	5.96	5.49	6.34	6.48	--	--
	S.U.	01/13/11	5.54	--	5.80	5.57	5.24	5.96	6.28	6.45	6.52	--	--
	S.U.	07/21/11	5.27	--	5.50	5.10	5.02	6.02	5.84	6.22	6.00	--	--
	S.U.	01/16/12	5.59	--	5.76	5.59	5.11	6.26	5.79	6.43	6.36	--	--
	S.U.	07/09/12	5.92	--	6.12	5.53	5.57	6.20	6.45	6.60	6.30	--	--
	S.U.	01/14/13	5.47	--	6.00	5.78	5.45	6.11	6.41	6.44	6.29	--	--
	S.U.	07/09/13	5.02	--	5.40	4.83	4.60	5.97	5.67	5.56	5.70	--	--
	S.U.	01/30/14	5.58	--	6.04	5.75	5.48	6.35	6.42	6.44	6.30	--	--
	S.U.	07/08/14	5.63	--	6.32	5.86	5.72	6.42	6.60	6.62	6.27	--	--
	S.U.	03/03/15	5.49	--	6.23	5.88	5.50	6.39	6.61	6.50	6.18	--	--
	S.U.	08/12/15	5.66	--	6.08	5.37	5.54	5.98	6.54	6.03	6.10	--	--
(Verification Event)	S.U.	09/28/15	--	--	6.31	--	--	--	--	--	--	--	--
	S.U.	02/17/16	5.25	--	6.32	5.22	5.06	6.07	6.25	6.16	6.38	--	--
	S.U.	07/14/16	5.19	--	5.87	5.17	5.06	5.81	6.15	5.97	5.89	--	--
(Verification Event)	S.U.	08/04/16	--	--	5.97	--	--	--	6.16	--	--	--	--
	S.U.	01/01/17	4.95	--	6.15	4.92	4.84	5.67	6.47	5.77	6.03	6.00	5.88
	S.U.	07/11/17	5.30	--	6.14	5.11	4.96	5.91	6.32	5.94	6.00	6.06	5.90
	S.U.	01/09/18	5.56	--	6.41	5.67	5.49	5.98	6.59	6.41	6.37	6.08	6.19
(Verification Event)	S.U.	03/16/18	--	--	--	--	--	--	--	--	6.22	--	6.13
	S.U.	07/26/18	5.45	--	6.27	5.56	5.79	6.11	6.49	6.34	6.11	6.09	6.07
(Verification Event)	S.U.	09/10/18	--	--	6.33	--	--	--	--	--	5.98	--	6.08
	S.U.	01/30/19	5.63	--	6.51	5.82	5.54	6.41	6.50	6.49	6.18	6.32	6.26
	S.U.	07/10/19	5.41	5.40	6.34	5.49	5.28	6.32	6.48	6.23	6.10	6.16	6.20
(Verification Event)	S.U.	10/04/19	--	--	--	--	--	--	--	--	--	--	6.12
	S.U.	01/29/20	5.55	5.51	6.75	5.67	5.73	6.24	6.73	6.38	6.34	6.45	6.37
	S.U.	07/07/20	5.26	5.31	6.50	5.47	5.26	6.14	6.40	6.27	6.10	6.45	6.22
	S.U.	01/19/21	5.57	5.45	6.62	5.68	5.21	6.17	6.70	6.26	6.29	6.49	6.39
(Verification Event)	S.U.	02/24/21	--	--	--	--	--	--	--	--	6.23	6.47	--
	S.U.	08/16/21	5.73	5.83	6.91	6.45	6.21	7.02	6..88	6.53	7.71	7.05	--
	S.U.	08/30/21	5.50	--	--	5.68	--	--	6.55	6.30	--	--	6.46
	S.U.	01/26/22	5.40	5.60	6.74	5.68	5.30	6.15	6.83	6.14	6.33	6.50	6.48
	S.U.	07/05/22	5.24	5.28	6.49	5.30	5.21	5.86	6.53	6.04	6.04	6.33	6.25
	S.U.	01/23/23	5.23	6.65	6.70	6.06	5.68	6.34	6.73	6.35	6.12	6.62	6.58
Specific Conductance (Field)	uS/cm	07/06/05	253	--	222	178	168	313	520	--	--	--	--
	uS/cm	01/09/06	146	--	164	82	81	334	142	--	--	--	--
	uS/cm	07/12/06	235	--	222	118	215	363	367	--	--	--	--
	uS/cm	01/16/07	224	--	279	850	110	497	226	268	374	--	--
	uS/cm	07/02/07	234	--	330	131	125	355	413	261	384	--	--
	uS/cm	01/30/08	317	--	411	269	346	999	595	318	505	--	--
	uS/cm	07/17/08	266	--	528	105	153	510	376	248	360	--	--
	uS/cm	01/14/09	279	--	319	109	95	588	337	--	--	--	--
	uS/cm	07/16/09	288	--	547	122	160	460	424	--	--	--	--
	uS/cm	01/04/10	371	--	429	130	124	561	510	257	371	--	--
	uS/cm	07/01/10	318	--	466	101	123	465	631	235	302	--	--
	uS/cm	01/13/11	327	--	578	118	189	454	700	251	344	--	--
	uS/cm	07/21/11	408	--	589	101	198	595	769	280	382	--	--
	uS/cm	01/16/12	369	--	432	97	102	460	815	269	367	--	--
	uS/cm	07/09/12	341	--	675	90	152	337	943	246	412	--	--
	uS/cm	01/14/13	334	--	659	107	166	382	722	247	388	--	--
	uS/cm	07/09/13	468	--	847	102	154	432	864	311	551	--	--
	uS/cm	01/30/14	530	--	915	156	209	443	1072	367	649	--	--
	uS/cm	07/08/14	506	--	1502	138	207	425	1066	356	717	--	--
	uS/cm	03/03/15	570	--	1344	133	128	330	1356	312	820	--	--
	uS/cm	08/12/15	458	--	1600	94	220	401	1120	332	559	--	--
Verification Event	uS/cm	09/28/15	--	--	1845	--	--	--	--	--	--	--	--
	uS/cm	02/17/16	554	--	1363	165	134	316	1507	380	731	--	--
	uS/cm	07/14/16	570	--	1530	135	209	408	1710	411	800	--	--
Verification Event	uS/cm	08/04/16	--	--	900	--	--	--	1730	--	--	--	--
	uS/cm	01/01/17	529	--	2040	119	188	406	1560	387	750	351	800
	uS/cm	07/11/17	608	--	1563	113	178	350	1820	436	1113	334	887
	uS/cm	01/09/18	621	--	2701	142	223	407	2360	458	1292	528	1647
Verification Event	uS/cm	03/16/18	--	--	--	--	--	--	--	--	1306	--	933
	uS/cm	07/26/18	576	--	2720	108	225	385	2450	444	1251	670	1521
Verification Event	uS/cm	09/10/18	--	--	2079	--	--	--	--	--	1287	--	1158
	uS/cm	01/30/19	582	--	1210	193	127	275	260	467	1407	858	905
	uS/cm	07/10/19	520	150	2348	174	157	324	2460	451	1254	572	1561
Verification Event	uS/cm	10/04/19	--	--	--	--	--	--	--	--	--	--	1776
	uS/cm	01/29/20	463	143	1688	130	205	237	2388	431	1428	1374	998
	uS/cm	07/07/20	600	162	2109	140	179	261	2664	510	1378	1203	1563
	uS/cm	01/19/21	545	211	1610	187	169	276	2029	610	1278	1386	713
Verification Event	uS/cm	02/24/21	--	--	--	--	--	--	--	--	1817	1674	--
	uS/cm	08/16/21	618	164	2032	163	197	380	2748	806	1449	1260	--
	uS/cm	08/30/21	501	--	--	107	--	--	3065	756	--	--	1955
	uS/cm	01/26/22	541	119	2419	157	133	280	3042	940	1852	1752	726
	uS/cm	07/05/22	474	150	2417	131	228	323	2423	885	1659	977	1330
	uS/cm	01/23/23	550	167	2207	184	169	204	2762	1131	2272	1530	1199
Temperature (Field)	°C	07/06/05	20.80	--	20.50	16.20	19.30	19.00	19.60	--	--	--	--
	°C	01/09/06	17.86	--	14.23	15.62	13.82	16.72	14.35	--	--	--	--
	°C	07/12/06	23.85	--	24.21	20.80	21.80	20.59	20.91	--	--	--	--
	°C	01/16/07	15.80	--	12.10	13.80	18.80	12.50	12.00	12.20	12.50	--	--
	°C	07/02/07	19.65	--	18.72	17.72	18.23	18.54	17.27	16.27	18.76	--	--
	°C	01/30/08	16.01	--	12.32	15.12	13.19	14.84	13.01	14.34	12.35	--	--
	°C	07/17/08	18.58	--	17.34	17.47	17.02	19.68	20.10	17.33	17.16	--	--
	°C	01/14/09	15.08	--	10.34	13.80	12.34	14.24	11.14	--	--	--	--
	°C	07/16/09	18.48	--	16.95	17.80	16.62	18.38	19.07	--	--	--	--
	°C	01/04/10	12.50	--	10.57	12.82	10.59	14.03	11.46	12.37	10.40	--	--
	°C	07/01/10	18.65	--	16.14	15.30	16.12	17.55	19.93	16.11	18.97	--	--
	°C	01/13/11	12.86	--	11.04	13.45	11.39	13.50	10.63	12.51	9.74	--	--
	°C	07/21/11	19.57	--	17.91	17.25	18.02	18.06	19.68	17.72	21.63	--	--
	°C	01/16/12	15.62	--	11.97	14.60	13.16	14.77	12.66	14.01	11.33	--	--
	°C	07/09/12	19.26	--	17.83	17.60	18.80	18.57	23.63	17.25	20.90	--	--
	°C	01/14/13	16.81	--	13.86	15.34	13.68	15.68	14.04	15.12	14.27	--	--
	°C	07/09/13	18.75	--	17.51	17.16	17.14	17.54	18.92	17.16	20.77	--	--
	°C	01/30/14	14.7	--	10.5	12.7	11.1	13.9	10.2	13.1	10.6	--	--
	°C	07/08/14	19.0	--	15.8	15.2	16.1	17.6	18.9	18.8	18.9	--	--
	°C	03/03/15	14.2	--	9.88	12.5	10.3	12.0	9.46	13.0	9.43	--	--
	°C	08/12/15	18.6	--	17.5	15.1	16.3	17.6	19.3	15.8	17.1	--	--
Verification Event	°C	09/28/15	--	--	17.41	--	--	--	--	--	--	--	--
	°C	02/17/16	14.70	--	11.9	13.8	11.4	14.4	11.6	14.8	12.8	--	--
	°C	07/14/16	19.0	--	16.8	17.0	17.2	18.2	21.3	17.1	21.8	--	--
Verification Event	°C	08/04/16	--	--	18.4	--	--	--	19.3	--	--	--	--
	°C	01/01/17	16.0	--	14.2	13.9	13.2	15.2	14.4	13.6	13.2	14.1	11.5
	°C	07/11/17	19.8	--	18.3	16.8	17.6	17.7	21.1	16.7	23.1	17.0	19.0
	°C	01/09/18	14.4	--	13.1	13.8	13.6	16.3	13.7	15.6	14.2	12.9	11.0
Verification Event	°C	03/16/18	--	--	--	--	--	--	--	--	13.0	--	11.0
	°C	07/26/18	19.6	--	17.6	17.7	17.2	22.3	22.5	19.6	19.2	17.1	19.0
Verification Event	°C	09/10/18	--	--	18.9	--	--	--	--	--	19.1	--	19.8
	°C	01/30/19	14.0	--	11.0	13.1	11.7	12.6	10.7	12.4	12.6	12.2	9.2
	°C	07/10/19	19.6	19.4	18.3	18.2	17.9	18.9	20.4	17.4	18.8	16.5	18.9
Verification Event	°C	10/04/19	--	--	--	--	--	--	--	--	--	--	20.0
	°C	01/29/20	13.6	14.8	12.5	13.2	11.6	13.5	12.2	13.7	11.8	12.1	10.2
	°C	07/07/20	19.2	18.3	18.4	16.8	16.4	20.7	19.8	17.3	18.6	18.0	20.0
	°C	01/19/21	14.3	14.9	12.7	13.5	12.6	12.2	12.6	13.6	12.1	12.2	10.5
Verification Event	°C	02/24/21	--	--	--	--	--	--	--	--	12.9	12.8	--
	°C	08/16/21	19.8	18.0	18.6	17.7	18.4	19.7	20.4	17.3	18.1	18.4	--
	°C	08/30/21	20.5	--	--	17.9	--	--	20.9	18.3	--	--	20.3
	°C	01/26/22	13.0	14.7	11.7	12.4	12.4	12.3	10.9	11.1	12.5	10.3	10.3
	°C	07/05/22	18.9	18.3	18.2	17.7	17.0	17.5	20.4	16.7	17.8	18.2	19.5
	°C	01/23/23	15.6	12.2	12.0	11.7	13.2	12.0	11.5	13.7	12.6	11.1	10.6

Summary of Field Parameters in Groundwater
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	Upgradient		Downgradient								
			MW-1	P-3	MW-2	MW-3	MW-4S	MW-5	MW-6	MW-7S	MW-8	AMW-1	AMW-2
Turbidity (Field)	NTU	07/06/05	92.1	--	126	241	65.2	71.4	71.4	--	--	--	--
	NTU	01/09/06	165	--	293	48.5	55.2	28.4	130	--	--	--	--
	NTU	07/12/06	130	--	89.2	49.2	28	64	387	--	--	--	--
	NTU	01/16/07	372	--	62.5	73.3	188	497	294	>1000	130	--	--
	NTU	07/02/07	222	--	521	37	146	61.2	405	>1000	66.3	--	--
	NTU	01/30/08	13.7	--	15.5	3.08	44.6	56.1	6.81	64.1	58.4	--	--
	NTU	07/17/08	4.48	--	0.97	1.11	18.3	45.7	2.41	7	5.21	--	--
	NTU	01/14/09	3.02	--	38.7	1.64	24.7	71.3	2.95	--	--	--	--
	NTU	07/16/09	2.38	--	2.65	4.1	27.5	18.4	2.31	--	--	--	--
	NTU	01/04/10	2.50	--	13.0	3.64	21.0	13.2	3.11	3.48	20.5	--	--
	NTU	07/01/10	1.58	--	25.9	1.87	5.66	3.51	2.53	3.99	1.83	--	--
	NTU	01/13/11	0.43	--	12.6	1.19	7.57	11.6	1.24	0.73	0.52	--	--
	NTU	07/21/11	1.33	--	25.0	1.28	11.89	6.92	8.59	1.31	0.50	--	--
	NTU	01/16/12	1.10	--	24.8	2.13	14.6	44.4	1.70	1.45	0.51	--	--
	NTU	07/09/12	3.25	--	27.6	3.99	98.5	5.23	20.2	4.81	3.95	--	--
	NTU	01/14/13	4.05	--	9.87	10.5	14.8	4.20	4.98	6.70	2.09	--	--
	NTU	07/09/13	2.14	--	11.7	1.36	16.1	4.00	2.30	3.31	1.20	--	--
	NTU	01/30/14	2.71	--	81.0	8.48	62.8	51.3	1.03	2.71	27.5	--	--
	NTU	07/08/14	3.40	--	19.1	3.11	12.9	6.77	3.13	3.44	7.84	--	--
	NTU	03/03/15	0.63	--	26.1	1.93	21.3	363	9.97	0.83	0.80	--	--
	NTU	08/12/15	0.47	--	88.3	0.87	14.6	5.57	4.83	0.82	1.86	--	--
Verification Event	NTU	09/28/15	--	--	11.9	--	--	--	--	--	--	--	--
	NTU	02/17/16	1.58	--	25.0	3.52	16.9	49.1	3.53	1.54	5.37	--	--
	NTU	07/14/16	0.96	--	4.31	1.53	10.3	13.6	1.96	0.95	1.02	--	--
Verification Event	NTU	08/04/16	--	--	10.2	--	--	--	3.98	--	--	--	--
	NTU	01/01/17	2.35	--	1.95	2.52	7.95	16.3	16.9	0.32	13.3	7.81	9.06
	NTU	07/11/17	0.92	--	8.98	1.92	9.16	12.0	2.16	0.67	4.04	1.79	5.57
	NTU	01/09/18	0.77	--	0.76	0.90	31.40	4.65	3.68	0.57	2.90	4.37	1.96
Verification Event	NTU	03/16/18	--	--	--	--	--	--	--	--	2.92	--	6.84
	NTU	07/26/18	0.68	--	8.40	4.07	8.13	6.34	4.13	1.16	5.82	7.32	3.13
Verification Event	NTU	09/10/18	--	--	2.56	--	--	--	--	--	3.68	--	0.78
	NTU	01/30/19	2.01	--	9.97	3.83	9.10	9.89	9.95	2.39	9.90	7.55	4.17
	NTU	07/10/19	3.85	9.37	3.40	3.05	9.72	9.96	4.63	3.86	0.75	3.54	4.11
Verification Event	NTU	10/04/19	--	--	--	--	--	--	--	--	--	--	0.87
	NTU	01/29/20	0.85	0.41	6.17	6.16	7.09	8.93	9.45	1.92	1.68	9.79	9.59
	NTU	07/07/20	3.69	8.72	4.48	3.43	6.26	9.65	6.13	2.49	1.40	8.78	8.72
	NTU	01/19/21	1.49	9.76	9.54	3.38	9.93	9.87	9.54	1.84	9.25	9.67	8.50
Verification Event	NTU	02/24/21	--	--	--	--	--	--	--	--	5.23	8.25	--
	NTU	08/16/21	0.54	6.77	9.87	2.12	5.34	2.57	2.27	2.00	1.31	9.14	--
	NTU	08/30/21	0.24	--	--	1.97	--	--	1.44	4.70	--	--	5.01
	NTU	01/26/22	1.00	5.91	3.06	4.74	9.20	31.3	9.96	1.63	9.31	8.41	5.83
	NTU	07/05/22	1.58	8.90	4.70	5.51	9.22	9.87	3.17	3.24	1.52	9.87	3.04
	NTU	01/23/23	1.50	62.1	9.64	9.97	9.05	66.1	9.15	1.42	5.25	9.09	4.18
Oxidation Reduction Potential (Field)	mV	07/06/05	--	--	--	--	--	--	--	--	--	--	--
	mV	01/09/06	203	--	132	129	217	78	233	--	--	--	--
	mV	01/09/06	7.51	--	4.73	9.67	5.06	5.75	9.96	--	--	--	--
	mV	07/12/06	140	--	179	150	211	32	144	--	--	--	--
	mV	07/12/06	11.63	--	12.28	13.84	12.60	12.19	12.23	--	--	--	--
	mV	01/16/07	106	--	95	65	130	64	187	63	105	--	--
	mV	01/16/07	9.10	--	4.90	11.20	8.60	10.50	10.90	9.70	9.80	--	--
	mV	01/30/08	213	--	194	177	226	-21	203	160	166	--	--
	mV	07/17/08	178	--	-1	151	68	106	122	117	117	--	--
	mV	01/14/09	78.5	--	96.3	200.6	152.5	-7.8	171.1	--	--	--	--
	mV	07/16/09	174.7	--	30.1	148.0	183.6	27.4	134.9	--	--	--	--
	mV	01/04/10	111.1	--	62.0	153.1	192.9	-49.0	117.2	83.3	55.1	--	--
	mV	07/01/10	64.6	--	0.4	158.6	-73.3	-119.7	67.6	32.2	2.5	--	--
	mV	01/13/11	160.7	--	66.5	188.6	227.6	99.1	130.3	152.9	99.0	--	--
	mV	07/21/11	103.9	--	11.2	142.1	131.2	-37.6	77.7	77.9	45.7	--	--
	mV	01/16/12	169.2	--	40.5	179.1	249.5	-49.4	58.9	75.3	105.6	--	--
	mV	07/09/12	52.6	--	7.3	89.2	53.8	18.4	10.2	30.8	32.8	--	--
	mV	01/14/13	33.5	--	7.9	23.1	17.4	-81.7	8.7	15.0	19.1	--	--
	mV	07/09/13	121.4	--	-10.5	107.6	105.3	-31.1	12.6	82.1	-16.7	--	--
	mV	01/30/14	210.2	--	-60.6	131.6	190.6	-74.6	6.2	85.7	-121.9	--	--
	mV	07/08/14	246.9	--	-55.3	193.8	143.2	-48.9	-21.4	141.7	-43.7	--	--
	mV	03/03/15	218.8	--	-13.5	98.5	145.6	-35.1	24.3	87.9	2.7	--	--
	mV	08/12/15	272.1	--	27.2	181.3	149.2	-28.7	-149.4	230.8	14.0	--	--
Verification Event	mV	09/28/15	--	--	-97.4	--	--	--	--	--	--	--	--
	mV	02/17/16	297.4	--	2.7	230.1	294.6	-13.9	-14.4	149.9	-7.2	--	--
	mV	07/14/16	266.3	--	-22.1	172.4	130.0	-20.3	-101.8	204.4	-61.3	--	--
Verification Event	mV	08/04/16	--	--	8.2	--	--	--	-43.2	--	--	--	--
	mV	01/01/17	437.7	--	-22.9	271.4	282.1	-6.1	14.8	380.6	60.4	92.1	132.6
	mV	07/11/17	265.9	--	-33.1	238.8	207.1	-30.1	-58.6	224.7	-14.0	50.5	42.8
	mV	01/09/18	411.1	--	-28.8	358.1	403.2	103.0	58.8	360.7	127.9	203.7	135.1
Verification Event	mV	03/16/18	--	--	--	--	--	--	--	--	229.8	--	242.4
	mV	07/26/18	199.9	--	-41.5	286.4	235.9	-7.9	21.7	347.7	111.5	55.8	116.8
Verification Event	mV	09/10/18	--	--	-34.9	--	--	--	--	--	158.0	--	102.8
	mV	01/30/19	189.1	--	-22.8	181.0	174.1	-23.1	-7.3	85.2	45.0	143.0	63.8
	mV	07/10/19	302.8	104.4	-52.9	92.5	117.7	33.6	-12.2	361.2	177.5	104.7	34.7
Verification Event	mV	10/04/19	--	--	--	--	--	--	--	--	--	--	-9.8
	mV	01/29/20	141.6	185.3	-51.9	161.4	260.1	-162.2	61.5	146.6	236.1	-22.6	241.0
	mV	07/07/20	245.2	535.5	-98.5	147.0	152.8	-73.1	-70.3	115.4	-62.3	-56.9	-30.6
	mV	01/19/21	202.0	102.3	-83.0	74.6	86.9	-66.1	-77.5	71.8	-54.8	-52.1	-42.7
Verification Event	mV	02/24/21	--	--	--	--	--	--	--	--	-61.2	-68.6	--
	mV	08/16/21	249.5	253.3	-60.0	219.1	153.0	-47.5	-63.8	151.7	-10.2	-23.9	--
	mV	08/30/21	228.8	--	--	217.2	--	--	-56.8	141.5	--	--	-10.9
	mV	01/26/22	122.9	144.7	-73.4	32.2	140.0	-43.3	-36.3	188.9	7.1	-45.4	55.9
	mV	07/05/22	197.7	215.9	-119.2	192.2	197.5	-16.2	-77.7	121.0	-64.0	-36.4	-22.4
	mV	01/23/23	330.1	283.3	-65.4	-234.0	-219.5	-246.2	-181.3	222.2	-10.1	-19.9	-195.7
Dissolved Oxygen (Field)	mg/L	01/30/08	3.83	--	5.13	5.56	2.52	3.48	5.34	6.40	3.27	--	--
	mg/L	07/17/08	4.55	--	0.54	4.58	0.36	1.81	5.61	5.78	1.50	--	--
	mg/L	01/14/09	5.86	--	4.45	6.24	3.24	2.12	2.43	--	--	--	--
	mg/L	07/16/09	4.79	--	0.99	4.31	1.05	1.60	4.66	--	--	--	--
	mg/L	01/04/10	5.21	--	0.94	5.39	1.72	1.54	6.53	6.05	3.02	--	--
	mg/L	07/01/10	4.37	--	0.49	5.49	0.80	1.18	0.93	6.20	1.11	--	--
	mg/L	01/13/11	5.19	--	0.92	3.62	4.96	1.54	5.01	5.80	2.60	--	--
	mg/L	07/21/11	5.64	--	0.69	3.96	1.16	2.31	1.17	5.51	1.33	--	--
	mg/L	01/16/12	4.63	--	1.18	4.64	1.03	0.20	0.69	5.18	2.38	--	--
	mg/L	07/09/12	4.67	--	0.54	3.99	0.62	0.54	1.92	5.02	0.93	--	--
	mg/L	01/14/13	4.78	--	0.38	3.22	0.82	1.02	3.71	5.08	0.78	--	--
	mg/L	07/09/13	4.68	--	3.30	4.79	1.88	2.07	1.80	6.19	3.42	--	--
	mg/L	01/30/14	3.95	--	0.23	5.16	0.80	0.38	2.39	4.15	0.35	--	--
	mg/L	07/08/14	4.14	--	0.44	5.60	0.46	0.61	0.61	5.09	0.84	--	--
	mg/L	03/03/15	3.41	--	2.77	4.21	4.60	0.73	3.33	5.53	0.86	--	--
	mg/L	08/12/15	3.52	--	0.76	3.68	1.00	0.62	0.58	4.00	0.39	--	--
Verification Event	mg/L	09/28/15	--	--	0.85	--	--	--	--	--	--	--	--
	mg/L	02/17/16	4.04	--	1.53	6.05	1.51	1.05	0.75	3.76	1.21	--	--
	mg/L	07/14/16	3.43	--	1.40	4.90	0.45	2.81	1.30	3.95	0.75	--	--
Verification Event	mg/L	08/04/16	--	--	1.61	--	--	--	0.36	--	--	--	--
	mg/L	01/01/17	3.73	--	0.65	3.00	0.60	2.46	0.43	4.23	0.50	0.30	0.73
	mg/L	07/11/17	3.37	--	1.41	3.94	0.62	0.75	0.16	3.95	1.49	0.19	0.22
	mg/L	01/09/18	4.61	--	1.52	2.21	2.87	0.44	2.52	3.17	0.24	0.30	0.21
Verification Event	mg/L	03/16/18	--	--	--	--	--	--	--	--	1.51	--	0.25
	mg/L	07/26/18	3.52	--	0.17	4.96	0.84	0.53	1.21	3.58	0.61	0.10	0.23
Verification Event	mg/L	09/10/18	--	--	1.07	--	--	--	--	--	0.38	--	0.36
	mg/L	01/30/19	3.88	--	1.73	3.99	0.78	0.15	0.51	3.31	0.60	0.16	0.34
	mg/L	07/10/19	3.42	1.96	3.06	3.67	0.86	0.34	0.27	2.97	1.15	1.51	0.33
Verification Event	mg/L	10/04/19	--	--	--	--	--	--	--	--	--	--	0.21
	mg/L	01/29/20	3.42	0.66	1.16	4.13	1.91	0.20	0.18	1.99	0.35	0.21	1.24
	mg/L	07/07/20	3.43	0.33	1.11	5.37	0.95	0.23	0.39	1.05	0.39	0.31	0.31
	mg/L	01/19/21	3.21	0.63	0.18	3.37	1.40	0.41	0.17	0.51	0.54	0.48	0.24
Verification Event	mg/L	02/24/21	--	--	--	--	--	--	--	--	5.79	1.66	--
	mg/L	08/16/21	2.93	0.33	0.95	3.58	0.26	0.26	0.26	0.52	0.18	1.89	--
	mg/L	08/30/21	6.90	--	--	4.20	--	--	0.09	1.89	--	--	1.39
	mg/L	01/26/22	6.00	3.30	2.16	1.61	0.96	0.13	0.07	0.52	1.12	0.22	1.28
	mg/L	07/05/22	2.78	0.26	0.11	2.45	0.22	0.17	0.12	0.23	0.13	0.72	1.31
	mg/L	01/23/23	3.12	1.89	3.91	0.53	0.69	0.25	0.23	2.36	0.11	1.01	2.36

Notes:
1. MW = groundwater monitoring well
2. mg/L = milligrams per liter
3. S.U. = Standard Units
4. NTU = Nephelometric Turbidity Units
5. uS/cm = microsiemens per centimeter
6. °C = centigrade
7. mV = millivolts
8. --- = no data available
9. Data prior to 01/09/06 provided by Joyce Engineering, Inc.

TABLE 6

Summary of Detected Constituents in Pore Water Samples
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Units	Sample Date	MDL	MRL	PWS-4	PWS-5	PWS-6	Blanks
Acetone	ug/L	08/18/21	10	20	ND	ND	ND	ND
	ug/L	07/06/22	10	20	dry	dry	ND	ND
Acrylonitrile	ug/L	08/18/21	3.5	10	ND	ND	ND	ND
	ug/L	07/06/22	3.5	10	dry	dry	ND	ND
Benzene	ug/L	08/18/21	0.15	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.15	1.0	dry	dry	ND	ND
Bromochloromethane	ug/L	08/18/21	0.48	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.48	1.0	dry	dry	ND	ND
Bromodichloromethane	ug/L	08/18/21	0.17	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.17	1.0	dry	dry	ND	ND
Bromoform	ug/L	08/18/21	0.22	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.22	1.0	dry	dry	ND	ND
Carbon disulfide	ug/L	08/18/21	1.5	5.0	ND	ND	ND	ND
	ug/L	07/06/22	1.5	5.0	dry	dry	ND	ND
Carbon tetrachloride	ug/L	08/18/21	0.17	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.17	1.0	dry	dry	ND	ND
Chlorobenzene	ug/L	08/18/21	0.17	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.17	1.0	dry	dry	ND	ND
Chloroethane	ug/L	08/18/21	0.23	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.23	1.0	dry	dry	ND	ND
Chloroform	ug/L	08/18/21	0.18	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.18	1.0	dry	dry	ND	ND
Dibromochloromethane	ug/L	08/18/21	0.17	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.17	1.0	dry	dry	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	08/18/21	0.48	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.48	1.0	dry	dry	ND	ND
1,2-Dibromoethane	ug/L	08/18/21	0.66	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.66	1.0	dry	dry	ND	ND
1,2-Dichlorobenzene	ug/L	08/18/21	0.19	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.19	1.0	dry	dry	ND	ND
1,4-Dichlorobenzene	ug/L	08/18/21	0.19	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.19	1.0	dry	dry	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	08/18/21	0.70	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.70	1.0	dry	dry	ND	ND
1,1-Dichloroethane	ug/L	08/18/21	0.13	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.13	1.0	dry	dry	ND	ND
1,2-Dichloroethane	ug/L	08/18/21	0.21	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.21	1.0	dry	dry	ND	ND
1,1-Dichloroethene	ug/L	08/18/21	0.21	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.21	1.0	dry	dry	ND	ND
cis-1,2-Dichloroethene	ug/L	08/18/21	0.15	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.15	1.0	dry	dry	ND	ND
trans-1,2-Dichloroethene	ug/L	08/18/21	0.21	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.21	1.0	dry	dry	ND	ND
1,2-Dichloropropane	ug/L	08/18/21	0.10	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.10	1.0	dry	dry	ND	ND
cis-1,3-Dichloropropene	ug/L	08/18/21	0.20	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.20	1.0	dry	dry	ND	ND
trans-1,3-Dichloropropene	ug/L	08/18/21	0.15	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.15	1.0	dry	dry	ND	ND
Ethylbenzene	ug/L	08/18/21	0.13	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.13	1.0	dry	dry	ND	ND
2-Hexanone	ug/L	08/18/21	0.88	5.0	ND	ND	ND	ND
	ug/L	07/06/22	0.88	5.0	dry	dry	ND	ND
Bromomethane	ug/L	08/18/21	0.14	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.14	1.0	dry	dry	ND	ND
Chloromethane	ug/L	08/18/21	0.13	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.13	1.0	dry	dry	ND	ND
Dibromomethane	ug/L	08/18/21	0.27	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.27	1.0	dry	dry	ND	ND
Methylene chloride	ug/L	08/18/21	0.23	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.23	1.0	dry	dry	ND	ND
2-Butanone	ug/L	08/18/21	1.3	5.0	ND	ND	ND	ND
	ug/L	07/06/22	1.3	5.0	dry	dry	ND	ND
Iodomethane	ug/L	08/18/21	1.7	5.0	ND	ND	ND	ND
	ug/L	07/06/22	1.7	5.0	dry	dry	ND	ND
4-Methyl-2-pentanone	ug/L	08/18/21	1.1	5.0	ND	ND	ND	ND
	ug/L	07/06/22	1.1	5.0	dry	dry	ND	ND
Styrene	ug/L	08/18/21	0.11	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.11	1.0	dry	dry	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	08/18/21	0.17	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.17	1.0	dry	dry	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	08/18/21	0.28	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.28	1.0	dry	dry	ND	ND
Tetrachloroethene	ug/L	08/18/21	0.17	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.17	1.0	dry	dry	ND	ND
Toluene	ug/L	08/18/21	0.14	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.14	1.0	dry	dry	ND	2.1
1,1,1-Trichloroethane	ug/L	08/18/21	0.12	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.12	1.0	dry	dry	ND	ND
Trichloroethene	ug/L	08/18/21	0.15	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.15	1.0	dry	dry	ND	ND
1,1,2-Trichloroethane	ug/L	08/18/21	0.14	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.14	1.0	dry	dry	ND	ND
Trichlorofluoromethane	ug/L	08/18/21	0.24	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.24	1.0	dry	dry	ND	ND
1,2,3-Trichloropropane	ug/L	08/18/21	0.23	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.23	1.0	dry	dry	ND	ND
Vinyl acetate	ug/L	08/18/21	0.95	5.0	ND	ND	ND	ND
	ug/L	07/06/22	0.95	5.0	dry	dry	ND	ND
Vinyl chloride	ug/L	08/18/21	0.32	1.0	ND	ND	ND	ND
	ug/L	07/06/22	0.32	1.0	dry	dry	ND	ND
Xylenes (Total)	ug/L	08/18/21	0.45	3.0	ND	ND	ND	ND
	ug/L	07/06/22	0.45	3.0	dry	dry	ND	ND

Notes:
1. PWS = pore water sample
2. mg/L = milligrams per liter
3. J flags are estimated values between MDL and PQL
4. B = blank-qualified data
5. ND = not detected at or above the stated reporting limit
6. Bold = concentrations above Human Health or Chronic Surface Water Standard
7. Blanks = field, trip and laboratory blanks
8. No dilutions were noted for the July 2022 event

TABLE 7

Summary of Field Parameters in Pore Water Samples
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Units	Sample Date	MDL	MRL	PWS-4	PWS-5	PWS-6
pH (Field)	S.U.	08/18/21	10	20	6.68	6.98	6.25
	S.U.	07/05/22	10	20	dry	dry	6.86
Specific Conductance (Field)	uS/cm	08/18/21	3.5	10	362	268	931
	uS/cm	07/05/22	3.5	10	dry	dry	362.8
Temperature (Field)	°C	08/18/21	0.15	1.0	22.8	23.6	22.6
	°C	07/05/22	0.15	1.0	dry	dry	19.5
Turbidity (Field)	NTU	08/18/21	0.48	1.0	116	724	291
	NTU	07/05/22	0.48	1.0	dry	dry	141
Oxidation Reduction Potential (Field)	mV	08/18/21	0.17	1.0	-31.6	3.40	-49.6
	mV	07/05/22	0.17	1.0	dry	dry	-52.5
Dissolved Oxygen (Field)	mg/L	08/18/21	0.22	1.0	0.99	3.48	1.07
	mg/L	07/05/22	0.22	1.0	dry	dry	4.70

Notes:
1. PWS = pore water sample
2. mg/L = milligrams per liter
3. S.U. = Standard Units
4. NTU = Nephelometric Turbidity Units
5. uS/cm = microsiemens per centimeter
6. °C = centigrade
7. mV = millivolts
8. dry = pore water sampler did not encounter the water table

TABLE 8

Summary of Detected Constituents in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
Antimony	ug/L	01/16/07	--	--	6	ND	ND	ND	ND	--	--	ND
Human Health Standard = 640 ug/L	ug/L	07/02/07	--	--	6	--	ND	--	ND	--	--	ND
	ug/L	01/29/08	--	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	6	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	6	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	6	0.0870 J	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	6	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	6	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	6	dry	ND	dry	ND	--	--	0.461 J
	ug/L	01/14/13	--	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	6	ND	0.371 J	ND	0.436 J	--	--	ND
	ug/L	01/30/14	--	--	6	ND	ND	ND	0.308 J	--	--	ND
	ug/L	07/08/14	--	--	6	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	0.22	--	6	ND	0.255 J	ND	ND	--	--	ND
	ug/L	08/12/15	0.22	--	6	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	0.22	--	6	ND	ND	ND	8.13 J	--	--	ND
	ug/L	07/14/16	0.22	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.37	--	6	ND	ND	0.553 J	0.413 J	--	--	ND
	ug/L	07/11/17	0.37	--	6	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	0.25	--	6	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	1.85	5.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	0.74	2.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	0.74	2.0	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	0.74	2.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	0.74	2.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	0.74	2.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	0.74	2.0	--	0.892 J	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	0.74	2.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.74	2.0	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	0.34	5.0	--	0.84 B	0.46 B	0.61 B	0.40 B	0.34 B	0.39 B	1.14 J
Arsenic	ug/L	10/08/03	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard = 340 ug/L	ug/L	01/23/04	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Chronic SW Standard = 150 ug/L	ug/L	07/08/04	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/09/06	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	--	--	10	ND	3.1 B	3.8 B	ND	--	--	2.4 J
	ug/L	07/02/07	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/29/08	--	--	10	ND	ND	ND	ND	--	--	2.1 J
	ug/L	07/17/08	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	02/27/09	--	--	10	3.5 J	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	10	dry	2.82 J	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	dry	dry	dry	ND	--	--	3.54 J
	ug/L	01/13/11	--	--	10	3.38 J	3.72 J	3.51 J	3.70 J	--	--	ND
	ug/L	07/21/11	--	--	10	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	dry	2.86 B	dry	3.18 B	--	--	3.13 J
	ug/L	01/14/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	5.4	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	6.8	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	6.8	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	6.8	--	10	6.91 J	ND	ND	ND	--	--	ND
	ug/L	01/11/17	6.8	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	6.8	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	6.8	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	7.6	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	7.6	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	7.6	10	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	7.6	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	7.6	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	7.6	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	7.6	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	7.6	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	7.6	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	6.4	20	--	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	10/08/03	--	--	500	ND	ND	ND	ND	--	--	ND
Human Health Std. = 20,000 ug/L	ug/L	01/23/04	--	--	500	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/04	--	--	500	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	--	--	500	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	--	--	500	dry	ND	dry	ND	--	--	ND
	ug/L	01/09/06	--	--	500	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	500	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	--	--	100	38.7 J	47.6 J	39.5 J	46.0 J	--	--	0.90 J
	ug/L	07/02/07	--	--	100	dry	62.6 J	dry	51.7 J	--	--	1.2 J
	ug/L	01/29/08	--	--	100	49.8 J	74.1 J	62.2 J	71.2 J	--	--	0.3 J
	ug/L	07/17/08	--	--	100	dry	67.3 J	dry	71.9 J	--	--	ND
	ug/L	02/27/09	--	--	100	36.0 J	39.1 J	52.7 J	46.7 J	--	--	ND
	ug/L	07/16/09	--	--	100	dry	94.5 J	dry	84.4 J	--	--	ND
	ug/L	01/04/10	--	--	100	34.0 J	66.2 J	38.0 J	50.3 J	--	--	0.552 J
	ug/L	07/01/10	--	--	100	dry	dry	dry	71.0 J	--	--	ND
	ug/L	01/13/11	--	--	100	47.9 J	71.4 J	49.1 J	54.3 J	--	--	ND
	ug/L	07/21/11	--	--	100	dry	87.5 J	--	69.4 J	--	--	ND
	ug/L	01/16/12	--	--	100	37.2 J	37.3 J	54.8 J	47.4 J	--	--	ND
	ug/L	07/09/12	--	--	100	dry	72.4 J	dry	55.2 J	--	--	ND
	ug/L	01/14/13	--	--	100	54.6 J	71.2 J	56.4 J	90.0 J	--	--	1.46 J
	ug/L	07/09/13	--	--	100	73.5 J	58.3 J	63.2 J	46.3 J	--	--	1.37 J
	ug/L	01/30/14	--	--	100	41.0 J	62.3 J	45.1 J	52.1 J	--	--	1.08 J
	ug/L	07/08/14	--	--	100	dry	74.4 J	dry	61.0 J	--	--	1.13 J
	ug/L	03/03/15	1.0	--	100	47.0 J	82.6 J	45.8 J	60.9 J	--	--	3.04 J
	ug/L	08/12/15	1.0	--	100	dry	163	dry	167	--	--	2.33 J
	ug/L	02/17/16	1.0	--	100	39.3 J	77.0 J	40.9 J	815	--	--	ND
	ug/L	07/14/16	1.0	--	100	79.0 J	57.3 J	120	76.0 J	--	--	1.51 J
	ug/L	01/11/17	1.0	--	100	71.4 J	56.2 J	91.0 J	85.3 J	--	--	ND
	ug/L	07/11/17	1.0	--	100	dry	dry	80.6 J	58.7 J	--	--	1.39 J
	ug/L	01/09/18	1.0	--	100	106	101	85.0 J	65.9 J	--	--	ND
	ug/L	07/26/18	1.1	10	--	dry	70.9	dry	72.1	--	--	ND
	ug/L	01/30/19	1.1	10	--	36.5	52.0	39.7	41.8	--	--	ND
	ug/L	07/10/19	1.1	10	--	77.5	73.1	dry	52.7	--	--	2.91 J
	ug/L	01/30/20	1.1	10	--	41.3	57.4	44.0	56.4	--	--	ND
	ug/L	07/07/20	1.1	10	--	dry	61.1	dry	40.7	--	--	ND
	ug/L	01/19/21	1.1	10	--	43.0	60.6	49.1	51.2	--	--	ND
	ug/L	08/18/21	1.1	10	--	47.6	58.0	52.3	78.1	294	76.4	ND
	ug/L	01/26/22	1.1	10	--	56.3	76.3	66.5	69.5	193	79.3	ND
	ug/L	07/06/22	1.1	10	--	dry	91.0	dry	64.7	171	56.3	ND
	ug/L	01/23/23	4.4	10	--	40	56	43	50	160	54	ND

TABLE 8

Summary of Detected Constituents in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
Beryllium	ug/L	01/16/07	--	--	1	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard = 65 ug/L	ug/L	07/02/07	--	--	1	--	ND	--	ND	--	--	ND
Freshwater Chronic SW Standard = 6.5 ug/L	ug/L	01/29/08	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	1	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	1	dry	0.220 J	dry	0.178 J	--	--	ND
	ug/L	01/04/10	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	1	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	0.10	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.10	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	0.10	--	1	ND	ND	ND	1.58 J	--	--	ND
	ug/L	07/14/16	0.10	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.10	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	0.13	--	1	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	0.13	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	0.16	1.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	0.16	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	0.16	1.0	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	0.16	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	0.16	1.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	0.16	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.16	1.0	--	dry	ND	dry	ND	ND	ND	0.229 J
	ug/L	01/23/23	0.3	4.0	--	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	10/08/03	--	--	1	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard (ug/L)	ug/L	01/23/04	--	--	1	ND	ND	ND	ND	--	--	ND
SW-1 = 1.23	ug/L	07/08/04	--	--	1	ND	ND	ND	ND	--	--	ND
SW-2 = 2.01	ug/L	01/25/05	--	--	1	ND	ND	ND	ND	--	--	ND
SW-3 = 2.48	ug/L	07/06/05	--	--	1	dry	ND	dry	ND	--	--	ND
SW-4, SW-5, and SW-6 = 2.40	ug/L	01/09/06	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	1	ND	ND	ND	ND	--	--	ND
Freshwater Chronic SW Standard (ug/L)	ug/L	01/16/07	--	--	1	ND	ND	ND	ND	--	--	ND
SW-1 = 0.21	ug/L	07/02/07	--	--	1	dry	ND	dry	ND	--	--	ND
SW-2 = 0.32	ug/L	01/29/08	--	--	1	ND	ND	ND	ND	--	--	ND
SW-3 = 0.39	ug/L	07/17/08	--	--	1	dry	**0.40 J**	dry	ND	--	--	ND
SW-4, SW-5, SW-6 = 0.38	ug/L	02/27/09	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	1	dry	0.134 B	dry	0.442 B	--	--	1.19
	ug/L	01/04/10	--	--	1	**0.317 J**	0.230 J	**0.830 J**	0.143 J	--	--	ND
	ug/L	07/01/10	--	--	1	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	0.36	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.36	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	0.36	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.36	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.36	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	0.36	--	1	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	0.36	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	0.36	1.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	0.36	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	0.36	1.0	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	0.36	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	0.36	1.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	0.36	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.36	1.0	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	0.44	5.0	--	ND	ND	ND	ND	ND	ND	ND
Chromium	ug/L	10/08/03	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard (ug/L)	ug/L	01/23/04	--	--	10	ND	ND	ND	ND	--	--	ND
SW-1 = 269	ug/L	07/08/04	--	--	10	ND	ND	ND	ND	--	--	ND
SW-2 = 425	ug/L	01/25/05	--	--	10	ND	ND	ND	ND	--	--	ND
SW-3 = 518	ug/L	07/06/05	--	--	10	--	ND	--	ND	--	--	ND
SW-4, SW-5, SW-6 = 504	ug/L	01/09/06	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Chronic SW Standard (ug/L)	ug/L	01/16/07	--	--	10	ND	ND	ND	ND	--	--	ND
SW-1 = 34.99	ug/L	07/02/07	--	--	10	--	ND	--	ND	--	--	ND
SW-2 = 55.34	ug/L	01/29/08	--	--	10	ND	ND	ND	ND	--	--	ND
SW-3 = 67.4	ug/L	07/17/08	--	--	10	--	ND	--	ND	--	--	ND
SW-4, SW-5, SW-6 = 65.5	ug/L	02/27/09	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	10	dry	8.45 J	dry	5.87 J	--	--	ND
	ug/L	01/04/10	--	--	10	ND	2.49 J	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	dry	dry	dry	1.37 B	--	--	1.80 J
	ug/L	01/13/11	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	ND	2.35 J	1.42 J	--	--	ND
	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	1.69 B	2.92 B	ND	6.53 B	--	--	1.40 J
	ug/L	07/09/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	1.4	--	10	ND	6.99 B	ND	4.03 B	--	--	1.66 J
	ug/L	08/12/15	1.4	--	10	dry	58.2	dry	43.7	--	--	ND
	ug/L	02/17/16	1.4	--	10	ND	13.8	ND	**343**	--	--	ND
	ug/L	07/14/16	1.4	--	10	ND	ND	7.29 J	ND	--	--	ND
	ug/L	01/11/17	1.4	--	10	ND	ND	3.08 J	2.12 J	--	--	ND
	ug/L	07/11/17	1.4	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	1.4	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	1.4	10	--	dry	1.49 J	dry	1.52 J	--	--	ND
	ug/L	01/30/19	1.4	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	1.4	10	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	1.4	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	1.4	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	1.4	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	1.4	10	--	ND	ND	ND	ND	3.44 J	1.43 J	ND
	ug/L	01/26/22	1.4	10	--	ND	ND	ND	1.81 J	3.98 J	ND	ND
	ug/L	07/06/22	1.4	10	--	dry	1.89	dry	ND	4.49 J	ND	ND
	ug/L	01/23/23	1.1	10	--	1.1 J	2.7 J	ND	2.3 J	ND	3.2 J	ND

TABLE 8

Summary of Detected Constituents in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
Cobalt	ug/L	01/16/07	--	--	10	ND	ND	ND	ND	--	--	ND
Human Health Std. = 4.0 ug/L	ug/L	07/02/07	--	--	10	--	ND	--	ND	--	--	ND
	ug/L	01/29/08	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	10	2.0 J	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	10	dry	1.96 J	dry	1.69 J	--	--	ND
	ug/L	01/04/10	--	--	10	0.961 J	2.050 J	0.97 J	1.65 J	--	--	ND
	ug/L	07/01/10	--	--	10	dry	dry	dry	1.18 J	--	--	ND
	ug/L	01/13/11	--	--	10	1.15 J	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	1.59 J	1.77 J	ND	4.73 J	--	--	ND
	ug/L	07/09/13	--	--	10	1.50 J	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	1.58 J	1.27 J	1.91 J	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	1.1	--	10	ND	2.65 J	ND	1.35 J	--	--	ND
	ug/L	08/12/15	1.1	--	10	dry	20.2	dry	17.8	--	--	ND
	ug/L	02/17/16	1.1	--	10	1.18 J	**6.32 J**	1.36 J	168	--	--	ND
	ug/L	07/14/16	1.1	--	10	1.34 J	ND	2.94 J	ND	--	--	ND
	ug/L	01/11/17	1.1	--	10	ND	ND	1.95 J	1.82 J	--	--	ND
	ug/L	07/11/17	1.1	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	1.1	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	1.4	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	1.4	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	1.4	10	--	2.65 J	ND	dry	ND	--	--	ND
	ug/L	01/30/20	1.4	10	--	ND	1.63 J	ND	1.88 J	--	--	ND
	ug/L	07/07/20	1.4	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	1.4	10	--	ND	1.68 J	1.92 J	ND	--	--	ND
	ug/L	08/18/21	1.4	10	--	ND	ND	ND	ND	**7.33 J**	1.49 J	ND
	ug/L	01/26/22	1.4	10	--	ND	ND	ND	ND	**13.0**	ND	ND
Verification Event	ug/L	04/04/22	1.3	10	--	--	--	--	--	**10.3**	--	ND
Dissolved	ug/L	04/04/22	1.3	10	--	--	--	--	--	**9.68 J**	--	ND
	ug/L	07/06/22	1.3	10	--	dry	ND	dry	ND	**10.6**	ND	ND
	ug/L	01/23/23	1.4	10	--	ND	ND	ND	ND	**15.0**	ND	ND
Copper	ug/L	01/16/07	--	--	10	ND	1.50 J	1.00 J	ND	--	--	ND
Freshwater Acute SW Standard (ug/L)	ug/L	07/02/07	--	--	10	dry	ND	dry	ND	--	--	ND
SW-1 = 5.67	ug/L	01/29/08	--	--	10	1.00 J	1.20 J	ND	1.10 J	--	--	ND
SW-2 = 9.60	ug/L	07/17/08	--	--	10	dry	ND	dry	1.90 J	--	--	ND
SW-3 = 12.0	ug/L	02/27/09	--	--	10	1.90 J	ND	1.80 J	ND	--	--	ND
SW-4, SW-5, SW-6 = 11.7	ug/L	07/16/09	--	--	10	dry	7.67 B	dry	5.37 B	--	--	6.42 J
	ug/L	01/04/10	--	--	10	2.39 J	4.12 J	ND	2.06 J	--	--	ND
Freshwater Chronic SW Standard (ug/L)	ug/L	07/01/10	--	--	10	dry	dry	dry	ND	--	--	ND
SW-1 = 4.09	ug/L	01/13/11	--	--	10	ND	ND	ND	ND	--	--	ND
SW-2 = 6.60	ug/L	07/21/11	--	--	10	dry	1.69 B	--	1.62 B	--	--	1.65 J
SW-3 = 8.11	ug/L	01/16/12	--	--	10	ND	ND	2.89 J	ND	--	--	ND
SW-4, SW-5, SW-6 = 7.87	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	**5.01 J**	4.24 J	ND	**13.4**	--	--	ND
	ug/L	07/09/13	--	--	10	1.63 J	2.44 J	ND	2.28 J	--	--	ND
	ug/L	01/30/14	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	1.63 J	--	--	ND
	ug/L	03/03/15	1.6	--	10	3.91 J	**10.4**	3.79 J	**8.05 J**	--	--	ND
	ug/L	08/12/15	1.6	--	10	dry	**52.4**	dry	**43.3**	--	--	ND
	ug/L	02/17/16	1.6	--	10	4.03 B	14.4 B	2.76 B	**357**	--	--	3.66 J
	ug/L	07/14/16	1.6	--	10	ND	ND	7.98 B	2.96 B	--	--	3.50 J
	ug/L	01/11/17	1.6	--	10	6.07 B	4.16 B	7.82 B	7.32 B	--	--	6.33 J
	ug/L	07/11/17	1.6	--	10	dry	dry	2.29 J	1.73 J	--	--	ND
	ug/L	01/09/18	1.6	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	1.6	10	--	dry	2.50 B	dry	1.64 B	--	--	2.02 J
	ug/L	01/30/19	1.6	10	--	3.48 J	2.94 J	ND	2.59 J	--	--	ND
	ug/L	07/10/19	1.6	10	--	2.12 B	3.28 B	dry	2.96 B	--	--	3.52 J
	ug/L	01/30/20	1.6	10	--	**4.14 J**	2.56 J	1.77 J	2.01 J	--	--	ND
	ug/L	07/07/20	1.6	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	1.6	10	--	2.72 J	ND	ND	ND	--	--	ND
	ug/L	08/18/21	1.6	10	--	2.16 J	4.17 J	ND	2.34 J	ND	1.97 J	ND
	ug/L	01/26/22	1.6	10	--	1.62 J	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	1.6	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	3.2	20	--	**5.00 J**	5.5 J	3.2 J	4.7 J	ND	6.0 J	ND
Lead	ug/L	10/08/03	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard (ug/L)	ug/L	01/23/04	--	--	10	ND	ND	ND	ND	--	--	ND
SW-1 = 23.5	ug/L	07/08/04	--	--	10	ND	ND	ND	ND	--	--	ND
SW-2 = 43.7	ug/L	01/25/05	--	--	10	ND	ND	ND	ND	--	--	ND
SW-3 = 56.9	ug/L	07/06/05	--	--	10	dry	ND	dry	ND	--	--	ND
SW-4, SW-5, SW-6 = 54.8	ug/L	01/09/06	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Chronic SW Standard (ug/L)	ug/L	01/16/07	--	--	10	**4.6 J**	ND	**2.6 J**	**3.6 J**	--	--	ND
SW-1 = 0.92	ug/L	07/02/07	--	--	10	dry	ND	dry	ND	--	--	ND
SW-2 = 1.70	ug/L	01/29/08	--	--	10	ND	ND	ND	ND	--	--	ND
SW-3 = 2.22	ug/L	07/17/08	--	--	10	dry	ND	dry	ND	--	--	ND
SW-4, SW-5, SW-6 = 2.13	ug/L	02/27/09	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	10	dry	**4.30 J**	dry	**4.68 J**	--	--	ND
	ug/L	01/04/10	--	--	10	1.68 B	4.41 B	ND	ND	--	--	1.24 J
	ug/L	07/01/10	--	--	10	dry	dry	dry	**2.56 J**	--	--	ND
	ug/L	01/13/11	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	dry	ND	--	**2.32 J**	--	--	ND
	ug/L	01/16/12	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	ND	ND	**3.58 J**	--	--	ND
	ug/L	07/09/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	2.1	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	3.1	--	10	dry	**15.7**	dry	**14.8**	--	--	ND
	ug/L	02/17/16	3.1	--	10	ND	ND	ND	**32.5 J**	--	--	ND
	ug/L	07/14/16	3.1	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	3.1	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	3.1	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	3.1	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	3.1	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	3.1	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	3.1	10	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	3.1	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	3.1	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	3.1	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	3.1	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	3.1	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	3.1	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	6.6	10	--	ND	ND	ND	ND	ND	ND	ND

TABLE 8

Summary of Detected Constituents in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
Nickel	ug/L	01/16/07	--	--	50	2.9 J	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard (ug/L)	ug/L	07/02/07	--	--	50	dry	ND	dry	1.7 J	--	--	ND
SW-1 = 216	ug/L	01/29/08	--	--	50	4.8 J	ND	ND	ND	--	--	ND
SW-2 = 346	ug/L	07/17/08	--	--	50	dry	ND	dry	ND	--	--	ND
SW-3 = 424	ug/L	02/27/09	--	--	50	2.4 J	ND	ND	ND	--	--	ND
SW-4, SW-5, SW-6 = 412	ug/L	07/16/09	--	--	50	dry	3.92 B	dry	3.42 B	--	--	3.80 J
	ug/L	01/04/10	--	--	50	ND	ND	ND	ND	--	--	ND
Freshwater Chronic SW Standard (ug/L)	ug/L	07/01/10	--	--	50	dry	dry	dry	ND	--	--	ND
SW-1 = 24.0	ug/L	01/13/11	--	--	50	ND	ND	ND	ND	--	--	ND
SW-2 = 38.5	ug/L	07/21/11	--	--	50	dry	ND	--	ND	--	--	ND
SW-3 = 47.1	ug/L	01/16/12	--	--	50	ND	ND	ND	ND	--	--	ND
SW-4, SW-5, SW-6 = 45.8	ug/L	07/09/12	--	--	50	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	50	2.29 J	ND	ND	2.84 J	--	--	ND
	ug/L	07/09/13	--	--	50	1.91 J	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	50	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	50	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	1.8	--	50	ND	3.67 J	ND	ND	--	--	ND
	ug/L	08/12/15	1.8	--	50	dry	29.9 J	dry	25.3 J	--	--	ND
	ug/L	02/17/16	1.8	--	50	ND	8.79 J	ND	**230**	--	--	ND
	ug/L	07/14/16	2.2	--	50	3.23 B	ND	5.87 B	2.24 B	--	--	11.9 J
	ug/L	01/11/17	2.2	--	50	2.60 J	ND	3.47 J	3.28 J	--	--	ND
	ug/L	07/11/17	2.2	--	50	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	2.2	--	50	ND	ND	ND	2.34 J	--	--	ND
	ug/L	07/26/18	2.2	10	--	dry	2.25 J	dry	2.83 J	--	--	ND
	ug/L	01/30/19	2.2	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	2.2	10	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	2.2	10	--	2.26 J	ND	ND	ND	--	--	ND
	ug/L	07/07/20	2.2	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	2.2	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	2.2	10	--	ND	ND	ND	ND	5.05 J	ND	ND
	ug/L	01/26/22	2.2	10	--	ND	ND	ND	ND	2.55 J	ND	ND
	ug/L	07/06/22	2.2	10	--	dry	2.21	dry	ND	5.16 J	ND	ND
	ug/L	01/23/23	3.3	40	--	ND	ND	ND	ND	4.5 J	ND	ND
Selenium	ug/L	10/08/03	--	--	20	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard = 5 ug/L	ug/L	01/23/04	--	--	20	ND	ND	ND	ND	--	--	ND
Freshwater Chronic SW Standard = 5 ug/L	ug/L	07/08/04	--	--	20	ND	ND	ND	ND	--	--	ND
	ug/L	01/25/05	--	--	20	ND	ND	ND	ND	--	--	ND
	ug/L	07/06/05	--	--	20	--	ND	--	ND	--	--	ND
	ug/L	01/09/06	--	--	20	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	20	ND	ND	ND	ND	--	--	ND
	ug/L	01/16/07	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	10	--	ND	--	ND	--	--	ND
	ug/L	01/29/08	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	10	4.7 J	ND	**5.8 J**	ND	--	--	ND
	ug/L	07/16/09	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	5	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	5	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	5	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	6.2	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	6.2	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	6.2	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	6.2	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	6.2	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	6.2	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	6.2	10	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	6.2	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	6.2	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	6.2	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	6.2	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	6.2	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	6.2	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	10	20	--	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	10/08/03	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Acute SW Standard (ug/L)	ug/L	01/23/04	--	--	10	ND	ND	ND	ND	--	--	ND
SW-1 = 0.67	ug/L	07/08/04	--	--	10	ND	ND	ND	ND	--	--	ND
SW-2 = 1.74	ug/L	01/25/05	--	--	10	ND	ND	ND	ND	--	--	ND
SW-3 = 2.63	ug/L	07/06/05	--	--	10	--	ND	--	ND	--	--	ND
SW-4, SW-5, SW-6 = 2.48	ug/L	01/09/06	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/12/06	--	--	10	ND	ND	ND	ND	--	--	ND
Freshwater Chronic Standard = 0.06 ug/L	ug/L	01/16/07	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/02/07	--	--	10	--	ND	--	ND	--	--	ND
	ug/L	01/29/08	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	10	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	10	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	10	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	1.9	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	1.9	--	10	dry	ND	dry	ND	--	--	2.59 J
	ug/L	02/17/16	1.9	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	1.9	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	1.9	--	10	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	1.9	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	1.9	--	10	**1.92 J**	**2.26 J**	**1.96 J**	ND	--	--	ND
	ug/L	07/26/18	1.9	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	1.9	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	1.9	10	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	1.9	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	1.9	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	1.9	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	1.9	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	1.9	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	1.9	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	1.5	10	--	ND	ND	ND	ND	ND	ND	ND

TABLE 8

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Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
Thallium	ug/L	01/16/07	--	--	5.5	ND	ND	ND	ND	--	--	ND
Human Health Std. = 0.47 ug/L	ug/L	07/02/07	--	--	5.5	dry	ND	dry	ND	--	--	ND
	ug/L	01/29/08	--	--	5.5	ND	ND	0.041 J	ND	--	--	ND
	ug/L	07/17/08	--	--	5.5	dry	ND	dry	ND	--	--	ND
	ug/L	02/27/09	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	5.5	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	5.5	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	5.5	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	5.5	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	5.5	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	0.11	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.11	--	5.5	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	0.11	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.11	--	5.5	0.270 J	0.313 J	0.323 J	0.315 J	--	--	ND
	ug/L	01/11/17	0.11	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	0.11	--	5.5	dry	dry	0.117 J	ND	--	--	ND
	ug/L	01/09/18	0.05	--	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	0.55	5.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	0.22	2.0	--	ND	0.230 J	ND	ND	--	--	ND
	ug/L	07/10/19	0.22	2.0	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	0.22	2.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	0.22	2.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	0.22	2.0	--	0.448 J	0.438 J	0.414 J	0.369 J	--	--	ND
	ug/L	08/18/21	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	0.22	2.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.22	2.0	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	0.26	1.0	--	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	01/16/07	--	--	25	ND	ND	ND	ND	--	--	ND
(No SW Standard)	ug/L	07/02/07	--	--	25	dry	2.1 J	dry	2.6 J	--	--	ND
	ug/L	01/29/08	--	--	25	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	25	dry	ND	dry	1.7 J	--	--	ND
	ug/L	02/27/09	--	--	25	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	25	dry	23.4 J	dry	16.1 J	--	--	ND
	ug/L	01/04/10	--	--	25	1.27 J	7.24 J	0.821 J	4.46 J	--	--	ND
	ug/L	07/01/10	--	--	25	dry	dry	dry	4.33 J	--	--	ND
	ug/L	01/13/11	--	--	25	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	25	dry	2.31 J	--	2.39 J	--	--	ND
	ug/L	01/16/12	--	--	25	1.52 J	1.79 J	7.01 J	4.69 J	--	--	ND
	ug/L	07/09/12	--	--	25	dry	ND	dry	1.81 J	--	--	ND
	ug/L	01/14/13	--	--	25	3.46 J	6.21 J	ND	14.0 J	--	--	ND
	ug/L	07/09/13	--	--	25	ND	2.85 J	ND	2.79 J	--	--	ND
	ug/L	01/30/14	--	--	25	ND	1.53 J	ND	2.17 J	--	--	ND
	ug/L	07/08/14	--	--	25	dry	2.53 J	dry	3.14 J	--	--	ND
	ug/L	03/03/15	1.4	--	25	ND	17.3 J	ND	8.48 J	--	--	ND
	ug/L	08/12/15	1.4	--	25	dry	155	dry	118	--	--	ND
	ug/L	02/17/16	1.4	--	25	ND	35.2	ND	853	--	--	ND
	ug/L	07/14/16	1.4	--	25	ND	ND	19.8 J	4.62 J	--	--	ND
	ug/L	01/11/17	1.4	--	25	ND	ND	7.90 J	6.16 J	--	--	ND
	ug/L	07/11/17	1.4	--	25	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	1.4	--	25	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	1.4	10	--	dry	5.34 J	dry	4.65 J	--	--	ND
	ug/L	01/30/19	1.4	10	--	1.76 J	1.91 J	ND	1.60 J	--	--	ND
	ug/L	07/10/19	1.4	10	--	3.82 J	1.47 J	dry	1.52 J	--	--	ND
	ug/L	01/30/20	1.4	10	--	1.49 J	1.51 J	ND	1.91 J	--	--	ND
	ug/L	07/07/20	1.4	10	--	dry	2.63 J	dry	1.75 J	--	--	ND
	ug/L	01/19/21	1.4	10	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	1.4	10	--	2.51 J	2.91 J	ND	3.35 J	ND	2.91 J	ND
	ug/L	01/26/22	1.4	10	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	1.4	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	1.0	10	--	3.7 J	6.1 J	ND	5.3 J	2.4 J	7.0 J	ND
Zinc	ug/L	01/16/07	--	--	10	27.0 B	9.5 B	27.1 B	4.2 B	--	--	10.0
Freshwater Acute SW Standard (ug/L)	ug/L	07/02/07	--	--	10	dry	ND	dry	7.6 J	--	--	ND
SW-1 = 53.9	ug/L	01/29/08	--	--	10	**112**	10.6	26.9	6.8 B	--	--	1.6 J
SW-2 = 86.6	ug/L	07/17/08	--	--	10	dry	3.8 J	dry	4.1 J	--	--	ND
SW-3 = 106.2	ug/L	02/27/09	--	--	10	29.8	13.8	7.8 J	13.2	--	--	ND
SW-4, SW-5, SW-6 = 103.1	ug/L	07/16/09	--	--	10	dry	14.0 B	dry	26.9 B	--	--	20.5
	ug/L	01/04/10	--	--	10	24.0	11.9	15.3	7.12 B	--	--	2.25 J
Freshwater Chronic SW Standard (ug/L)	ug/L	07/01/10	--	--	10	dry	dry	dry	8.81 J	--	--	ND
SW-1 = 54.4	ug/L	01/13/11	--	--	10	32.6	ND	7.26 J	ND	--	--	ND
SW-2 = 87.3	ug/L	07/21/11	--	--	10	dry	ND	--	ND	--	--	ND
SW-3 = 107.0	ug/L	01/16/12	--	--	10	23.1	11.2	7.09 J	ND	--	--	ND
SW-4, SW-5, SW-6 = 104.0	ug/L	07/09/12	--	--	10	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	10	31.4	7.14 J	4.15 J	21.7	--	--	ND
	ug/L	07/09/13	--	--	10	9.74 J	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	10	33.7	9.78 J	17.5	7.46 J	--	--	ND
	ug/L	07/08/14	--	--	10	dry	ND	dry	3.89 J	--	--	ND
	ug/L	03/03/15	3.8	--	10	36.9	20.7	19.5	10.6	--	--	ND
	ug/L	08/12/15	3.8	--	10	dry	53.6	dry	55.1	--	--	ND
	ug/L	02/17/16	3.8	--	10	16.7	20.1	14.4	**306**	--	--	ND
	ug/L	07/14/16	4.4	--	10	6.34 J	ND	5.57 J	ND	--	--	ND
	ug/L	01/11/17	4.4	--	10	40.6	4.95 J	11.8	10.1	--	--	ND
	ug/L	07/11/17	4.4	--	10	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	4.4	--	10	17.8	4.49 J	ND	ND	--	--	ND
	ug/L	07/26/18	4.4	10	--	dry	11.9	dry	8.19 J	--	--	ND
	ug/L	01/30/19	4.4	10	--	17.4	6.13 J	10.1	ND	--	--	ND
	ug/L	07/10/19	4.4	10	--	7.32 J	ND	dry	ND	--	--	ND
	ug/L	01/30/20	4.4	10	--	34.8	6.41 J	12.1	4.85 J	--	--	ND
	ug/L	07/07/20	4.4	10	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	4.4	10	--	15.9	4.52 J	6.98 J	ND	--	--	ND
	ug/L	08/18/21	4.4	10	--	ND	6.94 J	5.28 J	5.03 J	ND	ND	ND
	ug/L	01/26/22	4.4	10	--	**60.8**	6.86 J	12.1	4.49 J	ND	5.98 J	ND
	ug/L	07/06/22	4.4	10	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	8.7	20	--	19.0 J	ND	ND	ND	ND	ND	ND

TABLE 8

Summary of Detected Constituents in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
Acetone	ug/L	01/29/08	--	--	100	ND	ND	ND	ND	--	--	ND
Freshwater Aquatic Std. = 2,000 ug/L	ug/L	07/17/08	--	--	100	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	100	ND	ND	ND	ND	--	--	7.1 J
	ug/L	07/01/10	--	--	100	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	100	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	1.2	--	100	ND	9.6 J	ND	3.6 J	--	--	ND
	ug/L	08/12/15	1.2	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	1.2	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	10	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	10	--	100	ND	ND	ND	ND	--	--	11 J
	ug/L	07/11/17	10	--	100	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	10	--	100	ND	ND	ND	ND	--	--	17 J
	ug/L	07/26/18	10	20	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	10	20	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	10	20	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	10	20	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	10	20	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	10	20	--	ND	ND	ND	ND	--	--	25
	ug/L	08/18/21	10	20	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	10	20	--	ND	ND	ND	ND	ND	ND	13 J
	ug/L	07/06/22	10	20	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	10	20	--	ND	12 B	ND	ND	12 B	11 B	21
Methylene chloride	ug/L	01/29/08	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/17/08	--	--	1	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	1	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	1	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	--	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	08/12/15	0.23	--	1	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	0.23	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	0.23	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	0.23	--	1	ND	ND	ND	ND	--	--	0.57 J
	ug/L	07/11/17	0.23	--	1	--	--	ND	ND	--	--	ND
	ug/L	01/09/18	0.23	--	1	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	0.23	1.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	0.23	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	0.23	1.0	--	ND	ND	dry	ND	--	--	0.53 J
	ug/L	01/30/20	0.23	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	0.23	1.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	0.23	1.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	0.23	1.0	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	0.23	1.0	--	ND	0.25 B	ND	ND	ND	ND	0.26 J
2-Butanone	ug/L	01/29/08	--	--	100	ND	ND	ND	ND	--	--	ND
Human Health Std. = 750,000 ug/L	ug/L	07/17/08	--	--	100	--	ND	--	ND	--	--	ND
	ug/L	02/27/09	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/16/09	--	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	01/04/10	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/01/10	--	--	100	dry	dry	dry	ND	--	--	ND
	ug/L	01/13/11	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/21/11	--	--	100	dry	ND	--	ND	--	--	ND
	ug/L	01/16/12	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/12	--	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	01/14/13	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/09/13	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	01/30/14	--	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/08/14	--	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	03/03/15	1.3	--	100	ND	3.9 J	ND	ND	--	--	ND
	ug/L	08/12/15	1.3	--	100	dry	ND	dry	ND	--	--	ND
	ug/L	02/17/16	1.3	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/14/16	1.3	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	01/11/17	1.3	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/11/17	1.3	--	100	dry	dry	ND	ND	--	--	ND
	ug/L	01/09/18	1.3	--	100	ND	ND	ND	ND	--	--	ND
	ug/L	07/26/18	1.3	5.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/30/19	1.3	5.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/10/19	1.3	5.0	--	ND	ND	dry	ND	--	--	ND
	ug/L	01/30/20	1.3	5.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	07/07/20	1.3	5.0	--	dry	ND	dry	ND	--	--	ND
	ug/L	01/19/21	1.3	5.0	--	ND	ND	ND	ND	--	--	ND
	ug/L	08/18/21	1.3	5.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/26/22	1.3	5.0	--	ND	ND	ND	ND	ND	ND	ND
	ug/L	07/06/22	1.3	5.0	--	dry	ND	dry	ND	ND	ND	ND
	ug/L	01/23/23	10	20	--	ND	10	ND	ND	ND	ND	ND

TABLE 8

Summary of Detected Constituents in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	MDL	MRL	SWS Reporting Limit	Upstream		Downstream				Blanks
						SW-1	SW-3	SW-2	SW-4	SW-5	SW-6	
1,4-Dioxane (Human Health Std. = 0.35 ug/L)	ug/L	07/26/18	1.2	2.0	--	dry	**5.4**	dry	**5.2**	--	**--**	ND
	ug/L	01/30/19	1.2	2.0	--	ND	**4.5**	**2.1**	**3.4**	**--**	**--**	ND
	ug/L	07/10/19	1.2	2.0	--	ND	**8.0**	dry	**4.3**	--	**--**	ND
	ug/L	01/30/20	1.2	2.0	--	ND	**3.1**	**1.6 J**	**4.1**	--	**--**	ND
	ug/L	07/07/20	0.8	2.0	--	dry	**6.6**	dry	**4.0**	--	**--**	ND
	ug/L	01/19/21	0.8	2.0	--	**0.83 J**	**4.9**	**3.0**	**4.6**	--	**--**	ND
	ug/L	08/18/21	0.8	2.0	--	**1.9 J**	**5.0**	**5.1**	**5.8**	**19**	**6.6**	ND
	ug/L	01/26/22	0.8	2.0	--	**3.1 B**	**5.4 B**	**4.9 B**	**9.2 B**	**18 B**	**5.7 B**	**6.5**
	ug/L	07/06/22	0.8	2.0	--	dry	**9.6**	dry	**4.1**	**21**	**7.5**	ND
	ug/L	01/23/23	0.32	0.50	--	ND	**1.7**	**1.4**	**2.0**	**14**	**2.1**	ND

Notes:
1. SW = surface water monitoring point
2. ug/L = micrograms per liter
3. J = Prior to the 07/18 event, J flags are estimated values below the SWS Reporting limit. Beginning with the 07/18 event, J flags are estimated values between MDL and PQL.
4. B = blank-qualified data
5. ND = not detected at or above the stated reporting limit
6. Surface Water Standards for NC Appendix I constituents based on Class C Freshwater Aquatic Life stream classification per 15A NCAC 2B.
7. (AL) = SW Standard is an action level
8. (N) = SW Standard is a narrative standard
9. --- = no data available
10. Bold = concentrations above Human Health or Chronic Surface Water Standard
11. Shaded and Bold = concentration above Acute and Chronic Surface Water Standards
12. Blanks = field, trip and laboratory blanks.
13. SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting in 01/18/07
14. Data prior to 01/09/06 provided by Joyce Engineering, Inc.
15. The following dilutions were noted for the July 2022 event: Antimony/Thallium 2x all locations
16. Hardness values were taken most recently during the January 2021 sampling event and are reported in mg/L: SW-1 = 40, SW-2 = 70, SW-3 = 89, SW-4 = 86.
17. Hardness values for SW-4 were used to determine hardness dependent surface water standards for SW-5 and SW-6.

TABLE 9

Summary of Field Parameters in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	Upstream		Downstream			
			SW-1	SW-3	SW-2	SW-4	SW-5	SW-6
pH (Field)	S.U.	07/06/05	--	6.49	--	7.02	--	--
	S.U.	01/09/06	6.70	6.45	6.01	6.72	--	--
	S.U.	07/12/06	6.28	6.38	5.86	6.78	--	--
	S.U.	01/16/07	7.44	6.10	6.02	6.35	--	--
	S.U.	07/02/07	dry	6.95	dry	8.19	--	--
	S.U.	01/29/08	5.96	5.76	5.91	6.36	--	--
	S.U.	07/17/08	dry	7.24	dry	7.20	--	--
	S.U.	01/14/09	6.63	6.74	6.37	6.98	--	--
	S.U.	07/16/09	dry	6.65	dry	7.39	--	--
	S.U.	01/04/10	6.43	6.00	5.62	6.72	--	--
	S.U.	07/01/10	dry	dry	dry	7.62	--	--
	S.U.	01/13/11	5.84	6.69	6.30	6.86	--	--
	S.U.	07/21/11	dry	6.80	--	7.35	--	--
	S.U.	01/16/12	7.12	6.30	5.95	7.31	--	--
	S.U.	07/09/12	dry	6.64	dry	7.07	--	--
	S.U.	01/14/13	6.64	7.01	6.51	7.15	--	--
	S.U.	07/09/13	5.33	6.40	6.23	6.31	--	--
	S.U.	01/30/14	7.13	6.50	6.12	7.45	--	--
	S.U.	07/08/14	dry	6.77	dry	7.53	--	--
	S.U.	03/03/15	7.16	6.54	6.03	6.90	--	--
	S.U.	08/12/15	dry	5.99	dry	8.74	--	--
	S.U.	02/17/16	5.81	6.06	5.85	7.53	--	--
	S.U.	07/14/16	6.30	6.06	6.97	7.54	--	--
	S.U.	01/11/17	5.24	5.64	5.43	5.86	--	--
	S.U.	07/11/17	dry	7.05	dry	7.48	--	--
	S.U.	01/09/18	6.03	6.61	6.78	7.86	--	--
	S.U.	07/27/18	dry	7.86	dry	7.72	--	--
	S.U.	01/30/19	6.82	7.29	7.37	7.54	--	--
	S.U.	07/10/19	6.28	7.04	dry	7.58	--	--
	S.U.	01/29/20	6.95	7.57	7.79	7.81	--	--
	S.U.	07/07/20	dry	7.04	dry	7.80	--	--
	S.U.	01/19/21	7.94	6.76	6.39	7.92	--	--
	S.U.	08/18/21	7.17	7.79	7.69	8.22	7.46	7.57
	S.U.	01/26/22	6.26	7.43	7.17	7.93	6.93	7.76
Verification Event	S.U.	04/04/22	--	--	--	--	7.23	--
	S.U.	07/05/22	dry	7.45	dry	8.47	7.72	8.44
	S.U.	01/23/23	7.40	7.97	7.88	8.33	7.14	8.31
Specific Conductance (Field)	uS/cm	07/06/05	--	407	--	366	--	--
	uS/cm	01/09/06	123	143	155	110	--	--
	uS/cm	07/12/06	175	258	237	213	--	--
	uS/cm	01/16/07	124	184	120	162	--	--
	uS/cm	07/02/07	dry	298	dry	143	--	--
	uS/cm	01/29/08	343	390	311	416	--	--
	uS/cm	07/17/08	dry	317	dry	316	--	--
	uS/cm	01/14/09	160	159	200	183	--	--
	uS/cm	07/16/09	dry	257	dry	255	--	--
	uS/cm	01/04/10	159	216	159	194	--	--
	uS/cm	07/01/10	dry	dry	dry	333	--	--
	uS/cm	01/13/11	378	419	270	340	--	--
	uS/cm	07/21/11	dry	349	--	245	--	--
	uS/cm	01/16/12	159	182	162	159	--	--
	uS/cm	07/09/12	dry	380	dry	311	--	--
	uS/cm	01/14/13	218	286	282	264	--	--
	uS/cm	07/09/13	432	268	313	240	--	--
	uS/cm	01/30/14	234	275	239	221	--	--
	uS/cm	07/08/14	dry	399	dry	314	--	--
	uS/cm	03/03/15	264	198	254	197	--	--
	uS/cm	08/12/15	dry	140	dry	138	--	--
	uS/cm	02/17/16	155	181	165	117	--	--
	uS/cm	07/14/16	312	284	307	314	--	--
	uS/cm	01/11/17	326	336	253	302	--	--
	uS/cm	07/11/17	dry	349	dry	258	--	--
	uS/cm	01/09/18	320	330	518	346	--	--
	uS/cm	07/27/18	dry	306	dry	311	--	--
	uS/cm	01/30/19	114	167	213	170	--	--
	uS/cm	07/10/19	207	297	dry	232	--	--
	uS/cm	01/29/20	136	238	218	263	--	--
	uS/cm	07/07/20	dry	285	dry	227	--	--
	uS/cm	01/19/21	145	235	241	245	--	--
	uS/cm	08/18/21	189	193	269	256	879	278
	uS/cm	01/26/22	195	315	350	294	755	313
Verification Event	uS/cm	04/04/22	--	--	--	--	514	--
	uS/cm	07/05/22	dry	465	dry	413	1005	471
	uS/cm	01/23/23	140	175	191	200	669	174

TABLE 9

Summary of Field Parameters in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

Parameter	Reporting Units	Sample Date	Upstream		Downstream			
			SW-1	SW-3	SW-2	SW-4	SW-5	SW-6
Temperature (Field)	°C	07/06/05	dry	23.3	dry	24.6	--	--
	°C	01/09/06	10.78	7.15	7.30	9.61	--	--
	°C	07/12/06	19.96	22.28	22.51	23.03	--	--
	°C	01/16/07	10.70	11.80	11.60	11.50	--	--
	°C	07/02/07	dry	20.87	dry	23.49	--	--
	°C	01/29/08	8.39	6.21	6.93	6.99	--	--
	°C	07/17/08	dry	20.94	dry	19.01	--	--
	°C	01/14/09	6.17	5.63	4.98	4.78	--	--
	°C	07/16/09	dry	20.68	dry	20.93	--	--
	°C	01/04/10	3.37	1.19	1.43	1.63	--	--
	°C	07/01/10	dry	dry	dry	18.27	--	--
	°C	01/13/11	3.22	1.08	0.97	1.70	--	--
	°C	07/21/11	dry	23.70	--	27.15	--	--
	°C	01/16/12	5.21	5.58	5.91	6.30	--	--
	°C	07/09/12	dry	23.77	dry	28.19	--	--
	°C	01/14/13	12.1	12.8	12.9	12.9	--	--
	°C	07/09/13	21.03	23.01	23.06	25.16	--	--
	°C	01/30/14	0.90	0.70	0.60	0.40	--	--
	°C	07/08/14	dry	22.4	dry	24.0	--	--
	°C	03/03/15	5.01	6.61	5.31	5.70	--	--
	°C	08/12/15	dry	21.7	dry	24.1	--	--
	°C	02/17/16	6.5	4.9	5.1	8.3	--	--
	°C	07/14/16	23.5	23.8	23.2	26.3	--	--
	°C	01/11/17	5.6	4.5	5.2	4.0	--	--
	°C	07/11/17	dry	22.8	dry	24.0	--	--
	°C	01/09/18	7.0	1.0	0.6	0.4	--	--
	°C	07/27/18	dry	21.7	dry	22.2	--	--
	°C	01/30/19	5.4	1.9	1.8	4.9	--	--
	°C	07/10/19	23.2	12.2	dry	25.7	--	--
	°C	01/29/20	6.7	6.5	6.8	8.3	--	--
	°C	07/07/20	dry	21.0	dry	24.2	--	--
	°C	01/19/21	6.8	4.5	4.9	6.3	--	--
	°C	08/18/21	25.2	23.0	23.4	22.2	19.7	22.3
	°C	01/26/22	4.9	3.8	4.0	5.6	6.8	4.2
Verification Event	°C	04/04/22	--	--	--	--	17.7	--
	°C	07/05/22	dry	21.2	dry	25.0	21.7	28.6
	°C	01/23/23	8.4	6.7	7.3	6.8	12.7	5.2
Turbidity (Field)	NTU	07/06/05	dry	15.5	dry	17.2	--	--
	NTU	01/09/06	dry	61.3	dry	68.4	--	--
	NTU	07/12/06	134	dry	dry	5.1	--	--
	NTU	01/16/07	5.8	37.7	39.5	32.3	--	--
	NTU	07/02/07	dry	27.1	dry	124	--	--
	NTU	01/29/08	3.4	100.0	15.2	94.9	--	--
	NTU	07/17/08	dry	16.2	dry	17.7	--	--
	NTU	01/14/09	12.6	8.87	16.6	15.2	--	--
	NTU	07/16/09	dry	194	dry	125	--	--
	NTU	01/04/10	10.2	33.2	18.7	54.7	--	--
	NTU	07/01/10	dry	dry	dry	68.2	--	--
	NTU	01/13/11	20.2	18.6	25.3	11.2	--	--
	NTU	07/21/11	dry	19.8	--	18.5	--	--
	NTU	01/16/12	10.2	52.9	16.9	38.4	--	--
	NTU	07/09/12	dry	23.7	dry	28.1	--	--
	NTU	01/14/13	63.1	51.5	11.8	169	--	--
	NTU	07/09/13	31.6	24.5	11.5	23.8	--	--
	NTU	01/30/14	12.0	16.8	7.02	23.2	--	--
	NTU	07/08/14	dry	15.3	dry	25.8	--	--
	NTU	03/03/15	9.24	122	12.4	75.1	--	--
	NTU	08/12/15	dry	927	dry	>1000	--	--
	NTU	02/17/16	13.9	212	13.1	>1000	--	--
	NTU	07/14/16	23.2	122	12.1	25.0	--	--
	NTU	01/11/17	28.4	58.5	7.09	68.1	--	--
	NTU	07/11/17	dry	6.13	dry	5.29	--	--
	NTU	01/09/18	6.82	5.43	2.48	4.85	--	--
	NTU	07/27/18	dry	57.8	dry	63.6	--	--
	NTU	01/30/19	20.3	13.0	15.5	16.3	--	--
	NTU	07/10/19	49.2	8.91	dry	11.2	--	--
	NTU	01/29/20	11.7	14.8	10.8	14.5	--	--
	NTU	07/07/20	dry	5.94	dry	6.80	--	--
	NTU	01/19/21	16.5	11.5	10.8	14.1	--	--
	NTU	08/18/21	7.17	87.6	11.5	127	149	114
	NTU	01/26/22	8.03	29.6	6.5	26	4.24	34
Verification Event	NTU	04/04/22	--	--	--	--	23.2	--
	NTU	07/05/22	dry	33.0	dry	4.41	14.2	8.63
	NTU	01/23/23	20.6	29.9	20.9	45.0	7.63	30.5

TABLE 9

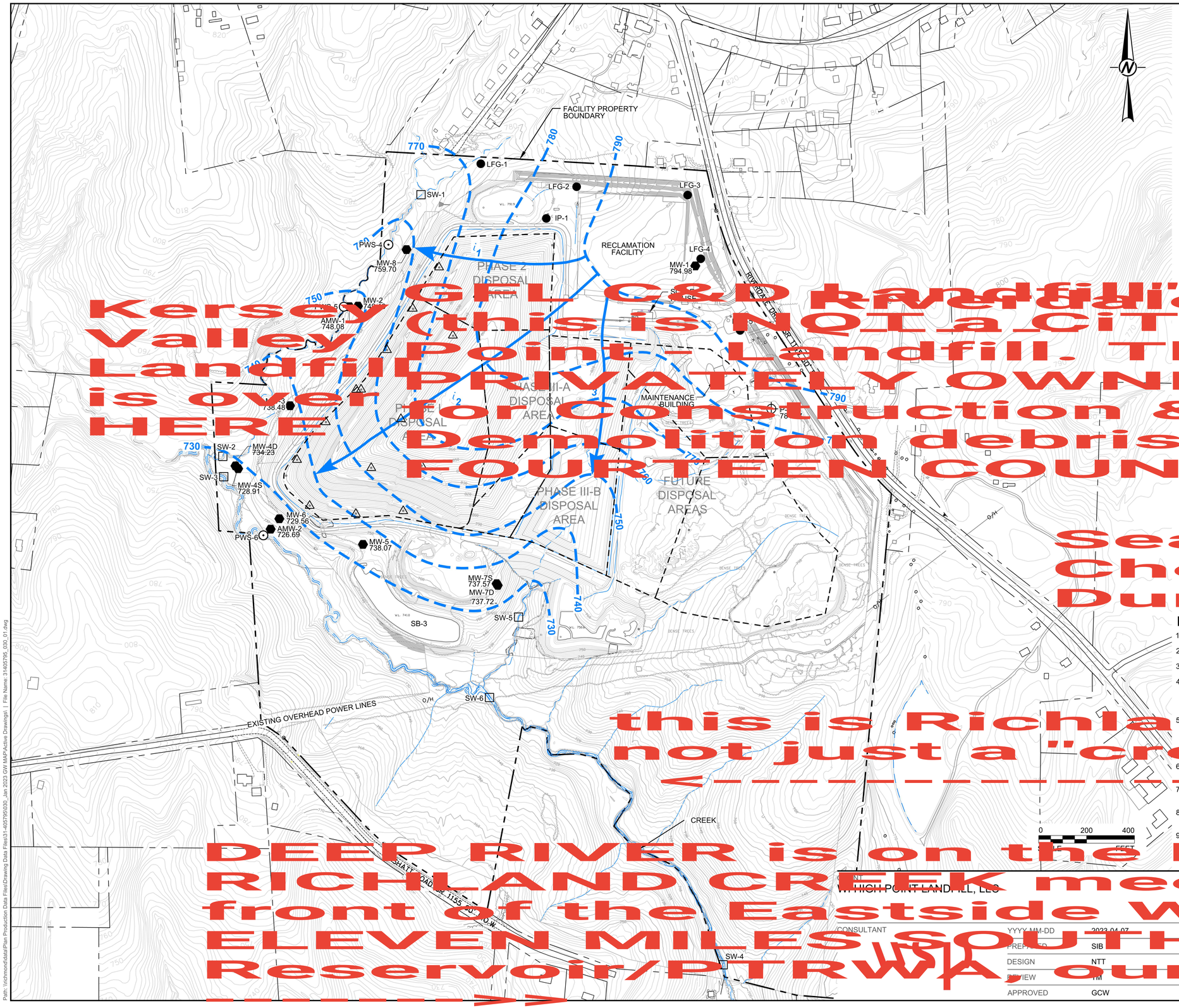
Summary of Field Parameters in Surface Water
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

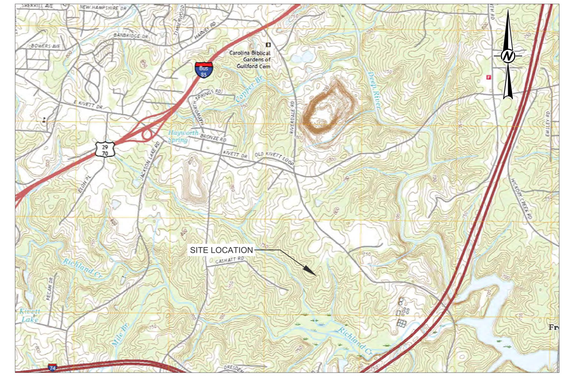
Parameter	Reporting Units	Sample Date	Upstream		Downstream			
			SW-1	SW-3	SW-2	SW-4	SW-5	SW-6
Oxidation Reduction Potential (Field)	mV	01/29/08	165	202	214	182	--	--
	mV	07/17/08	dry	75	dry	76	--	--
	mV	01/14/09	92.8	113.6	139.6	156.6	--	--
	mV	07/16/09	dry	126.1	dry	45.5	--	--
	mV	01/04/10	82.5	122.6	176.4	5.8	--	--
	mV	07/01/10	dry	dry	dry	140.9	--	--
	mV	01/13/11	141.9	191.8	224.4	145.8	--	--
	mV	07/21/11	dry	45.8	--	55.8	--	--
	mV	01/16/12	31.9	137.1	218.6	64.6	--	--
	mV	07/09/12	dry	-7.3	dry	-4.3	--	--
	mV	01/14/13	--	--	--	--	--	--
	mV	07/09/13	67.0	33.4	21.1	71.7	--	--
	mV	01/30/14	18.1	31.7	96.4	-3.0	--	--
	mV	07/08/14	dry	43.0	dry	280.2	--	--
	mV	03/03/15	-0.8	131.9	143.9	73.2	--	--
	mV	08/12/15	dry	32.0	dry	47.6	--	--
	mV	02/17/16	140.1	184.6	240.4	288.2	--	--
	mV	07/14/16	-12.1	70.1	92.7	81.1	--	--
	mV	01/11/17	201.6	226.5	250.6	216.9	--	--
	mV	07/11/17	dry	103.0	dry	140.1	--	--
	mV	01/09/18	--	--	--	234.1	--	--
	mV	07/27/18	dry	9.0	dry	126.3	--	--
	mV	01/30/19	-14.3	54.9	51.7	32.1	--	--
	mV	07/10/19	72.2	122.6	dry	97.5	--	--
	mV	01/29/20	191.7	210.3	203.4	-95.5	--	--
	mV	07/07/20	dry	105.4	dry	62.7	--	--
	mV	01/19/21	-91.8	38.5	63.6	31.4	--	--
	mV	08/18/21	10.9	101.7	96.4	90.2	--	54.6
	mV	01/26/22	82.6	91.1	91.5	118.7	25.3	65.4
Verification Event	mV	04/04/22	--	--	--	--	-69.9	--
	mV	07/05/22	dry	135.4	dry	72.9	25.6	87.0
	mV	01/23/23	-167.1	70.7	130.2	-186.8	46.6	232.5
Dissolved Oxygen (Field)	mg/L	01/29/08	11.03	11.61	11.13	11.98	--	--
	mg/L	07/17/08	dry	3.33	dry	7.08	--	--
	mg/L	01/14/09	11.52	12.78	13.94	13.96	--	--
	mg/L	07/16/09	dry	6.33	dry	7.76	--	--
	mg/L	01/04/10	12.43	14.99	15.13	15.05	--	--
	mg/L	07/01/10	dry	dry	dry	8.71	--	--
	mg/L	01/13/11	6.81	15.62	15.94	16.10	--	--
	mg/L	07/21/11	dry	5.70	--	5.41	--	--
	mg/L	01/16/12	10.68	13.44	14.39	13.62	--	--
	mg/L	07/09/12	dry	7.00	dry	9.31	--	--
	mg/L	01/14/13	--	--	--	--	--	--
	mg/L	07/09/13	5.31	7.12	5.97	8.51	--	--
	mg/L	01/30/14	12.43	13.28	14.04	14.86	--	--
	mg/L	07/08/14	dry	6.05	dry	8.06	--	--
	mg/L	03/03/15	9.90	11.23	11.65	11.50	--	--
	mg/L	08/12/15	dry	8.96	dry	8.50	--	--
	mg/L	02/17/16	8.95	9.52	7.83	10.03	--	--
	mg/L	07/14/16	2.91	5.55	5.71	6.45	--	--
	mg/L	01/11/17	9.64	11.55	10.44	12.71	--	--
	mg/L	07/11/17	dry	6.08	dry	6.01	--	--
	mg/L	01/09/18	--	--	--	12.68	--	--
	mg/L	07/27/18	dry	6.08	dry	5.19	--	--
	mg/L	01/30/19	10.90	13.18	12.95	12.53	--	--
	mg/L	07/10/19	1.24	6.30	dry	5.70	--	--
	mg/L	01/29/20	9.86	9.94	9.10	9.10	--	--
	mg/L	07/07/20	dry	6.71	dry	5.82	--	--
	mg/L	01/19/21	9.72	12.45	11.92	13.47	--	--
	mg/L	08/18/21	5.13	5.81	5.46	6.39	--	6.18
	mg/L	01/26/22	10.64	12.10	11.54	12.77	4.99	11.50
Verification Event	mg/L	04/04/22	--	--	--	--	8.61	--
	mg/L	07/05/22	dry	0.74	dry	3.05	4.21	8.63
	mg/L	01/23/23	10.11	9.09	9.57	10.42	6.47	10.72

Notes:

1. SW = surface water monitoring point
2. mg/L = milligrams per liter
3. S.U. = Standard Units
4. NTU = Nephelometric Turbidity Units
5. uS/cm = microsiemens per centimeter
6. °C = centigrade
7. mV = millivolts
8. -- = no data available
9. Data prior to 01/09/06 provided by Joyce Engineering, Inc.

Figure





SITE LOCATION MAP

LEGEND

- EXISTING 10' CONTOURS
- EXISTING 2' CONTOURS
- PROPERTY LINE
- STREAM
- TREELINE
- EXISTING ROADS
- PROPOSED OR EXISTING LIMITS OF WASTE
- MW-3 738.48 — MONITORING WELL LOCATION IDENTIFICATION AND GROUNDWATER ELEVATION
- SW-1 — SURFACE WATER MONITORING POINT
- PROPOSED MONITORING WELL LOCATION
- BM-1 — BENCH MARK
- LFG-1 — LANDFILL GAS MONITORING WELL LOCATIONS
- GAS VENT
- SB-1 — SEDIMENT BASIN
- 760 — GROUNDWATER SURFACE CONTOURS
- GROUNDWATER FLOW SEGMENT USED TO CALCULATE GRADIENT
- PWS-6 — POTABLE WATER SAMPLING LOCATION

NOTES

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET
3. GROUNDWATER ELEVATIONS MEASURED ON JANUARY 23, 2023.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL CONDITIONS.
5. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SURFACE AND ELEVATION. EACH CONTOUR IS AN INTERPRETED LINE FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL. THE GROUNDWATER FLOW DIRECTION IS GENERALLY PERPENDICULAR TO THE GROUNDWATER SURFACE CONTOURS, SIMILAR TO THE RELATIONSHIP BETWEEN SURFACE WATER FLOW AND TOPOGRAPHIC CONTOURS.
6. THE GROUNDWATER ELEVATIONS FOR MW-4D AND MW-7D WERE NOT USED IN THE CONSTRUCTION OF GROUNDWATER CONTOURS.
7. DRAWING BASED ON SITE PLAN PLAN PREPARED BY JOYCE ENGINEERING, INC DATED JULY 7, 2004.
8. UPDATED TOPOGRAPHY IN VICINITY OF LANDFILL PROVIDED FROM AERIAL SURVEY PREPARED BY COOPER AERIAL SURVEY COMPANY, DATE JANUARY 28, 2023.
9. HIGH POINT, NORTH CAROLINA 7.5-MINUTE QUADRANGLE MAP OBTAINED FROM US GEOLOGIC SURVEY, DATE AUGUST 7, 2019.

0 200 400
SCALE IN FEET

CLIENT
WITH HIGH POINT LANDFILL, LLC

CONSULTANT

YYYY-MM-DD	2023-04-07
PREPARED	SIB
DESIGN	NTT
REVIEW	TM
APPROVED	GCW

PROJECT
CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL AND RECLAMATION FACILITY GUILFORD COUNTY, NORTH CAROLINA

TITLE
GROUNDWATER CONTOUR MAP
JANUARY 23, 2023

PROJECT No.	Rev.	FIGURE
31405795.004	0	1

Path: \\richmond\data\Plan Production Data Files\Drawing Data Files\31-405795\030_Jan 2023 GW MAP\Active Drawings\ | File Name: 31405795_030_01.dwg

GFL C&D landfill
Kersey Valley (this is NOT a CITY of High Point – Landfill. This is a PRIVATELY OWNED landfill is over HERE for Construction & Demolition debris from FOURTEEN COUNTIES.
this is Richland Creek, not just a "creek"
DEEP RIVER is on the EAST SID
RICHLAND CREEK meets up wit
front of the Eastside Wastewate
ELEVEN MILES SOUTH is Randl
Reservoir/PTRWA, our DRINKI
Seaboard Chemical Dump

APPENDIX A

Groundwater and Surface Water Sampling Logs

DATE: 1/23/2023

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-1
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 18.19 feet
Depth to Bottom: 29.15 feet
Water Column Thickness: 10.96 feet
Pumping Rate: 180 mL/min.
System Volume: 962 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter, ~~PGTS 50~~ TM*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
844	5.09	615.9	7.67	3.95	14.7	276.0	18.65
848	5.19	626.1	6.17	3.25	15.6	288.1	18.85
852	5.07	607.2	5.08	3.07	15.5	306.1	19.09
856	5.15	566.7	4.13	3.00	15.6	310.1	19.31
900	5.19	553.1	3.72	3.10	15.5	326.6	19.54
904	5.23	550.4	1.50	3.12	15.6	330.1	19.65
904	SAMPLE						
							NTU

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 840
Weather: ~~Cool~~ JS Sunny, low 40s

Signature: [signature] **Date:** 1/23/2023

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/23/2023

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-2 (MS/MSD)
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 5.66 feet
Depth to Bottom: 18.62 feet
Water Column Thickness: 12.96 feet
Pumping Rate: 140 mL/min.
System Volume: 620 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1130	6.86	2170	109	6.03	12.1	39.1	5.79
1135	6.80	2143	100	5.92	12.0	26.1	5.80
1140	6.90	2070	90.1	5.72	12.0	-31.7	5.81
1145	6.93	2144	78.2	5.22	12.0	-59.9	5.81
1155	6.85	2169	57.1	4.74	12.0	-61.2	5.82
1205	6.81	2188	34.3	4.30	12.0	-65.3	5.83
1215	6.79	2196	25.5	4.17	12.0	-67.0	5.80
1225	6.75	2203	15.4	4.07	12.0	-66.2	5.80
1235	6.70	2207	9.64	3.91	12.0	-65.4	5.81
1235	SAMPLE						

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1125
Weather: Sunny, 40s

Signature: [signature] **Date:** 1/23/2023

QA/QC Sign Off: [signature] **Date:** 4/12/23

DATE: 1/24/23

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-3
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 16.84 feet
Depth to Bottom: 30.60 feet
Water Column Thickness: 13.76 feet
Pumping Rate: 140 → 100 mL/min.
System Volume: 690 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
855	6.71	166.5	18.6	3.17	10.8	-117.2	17.25
900	6.48	243.9	44.7	1.04	11.6	-199.5	17.38
905	6.38	237.0	35.5	1.46	11.4	-183.4	17.63
910	6.23	226.9	26.4	1.31	11.4	-175.7	17.76
915	6.18	216.5	21.0	1.14	11.3	-177.2	17.88
920	6.10	205.6	17.6	0.87	11.4	-187.4	18.00
925	6.09	198.9	15.6	0.73	11.4	-193.0	18.12
930	6.08	196.2	15.1	0.68	11.5	-201.6	18.24
935	6.08	191.6	13.7	0.62	11.6	-208.5	18.33
940	6.05	189.5	12.0	0.56	11.6	-216.8	18.46
945	6.03	188.6	11.4	0.54	11.6	-220.2	18.59
950	6.06	183.6	9.97	0.53	11.7	-234.0	18.62
Sample @ 950							

100 mL/min →

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 850
Weather: Sunny, 30

Signature: [signature] **Date:** 1/24/23

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/24/23

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-45
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 4.90 feet
Depth to Bottom: 22.20 feet
Water Column Thickness: 17.36 feet
Pumping Rate: ~~120~~ 100 mL/min.
System Volume: 625 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1110	5.98	213.3	19.4	2.74	12.0	-239.4	4.98
1115	6.12	235.9	79.8	2.10	11.8	-250.8	4.98
1120	6.10	235.7	129	1.72	11.7	-267.6	4.96
1125	6.09	214.8	204	0.69	12.2	-219.9	4.98
1130	5.98	203.9	333	0.67	13.0	-231.7	5.07
1135	5.93	187.5	243	0.77	12.9	-222.1	5.02
1140	5.90	180.5	28.2	0.77	13.0	-216.2	5.06
1145	5.76	179.3	17.2	0.75	12.9	-216.7	5.06
1150	5.74	177.1	14.3	0.77	13.1	-214.5	5.06
1155	5.72	175.1	14.1	0.75	13.0	-215.4	5.09
ss ~~#~~ 1200	5.71	173.2	13.5	0.74	13.0	-215.9	5.09
1205	5.69	170.8	13.1	0.83	13.0	-223.7	5.09
1210	5.68	170.0	12.8	0.70	13.1	-219.8	5.09
1215	5.68	169.1	9.05	0.69	13.2	-219.5	5.09
Sample @ 1215							

180
200 ss → mL/min

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1105
Weather: Sunny, 40

Signature: [signature] **Date:** 1/24/23

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/23/23

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-5
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 9.76 feet
Depth to Bottom: 27.14 feet
Water Column Thickness: 17.38 feet
Pumping Rate: 140 → 100 mL/min.
System Volume: 695 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1420	6.70	219.4	165	1.81	12.5	-181.9	10.32
1425	6.52	190.5	404	0.65	12.6	-217.0	10.67
1430	6.44	196.1	244	0.70	12.5	-211.4	10.76
1435	6.37	196.2	296	0.43	12.7	-229.2	10.84
1440	6.35	199.3	159	0.54	12.1	-219.2	10.99
1445	6.35	199.8	123	0.51	12.3	-220.9	11.03
1450	6.35	199.8	109	0.54	12.3	-219.8	11.07
1455	6.33	199.8	97.0	0.53	12.2	-218.9	11.09
1500	6.32	199.3	83.6	0.45	12.0	-224.0	11.23
1505	6.32	199.4	80.2	0.42	12.0	-226.1	11.27
1510	6.32	199.6	78.0	0.46	12.0	-229.1	11.30
1515	6.33	200.4	72.5	0.50	11.9	-233.9	11.40
1520	6.34	201.2	69.8	0.33	12.0	-238.2	11.43
1525	6.35	202.5	68.3	0.30	12.0	-241.8	11.47
1530	6.34	204.1	66.1	0.25	12.0	-246.2	11.50
Sample @		1530					

100 mL/min →

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1415
Weather: Overcast, 50s
Field filtered NTU: 3.81
Collected additional dissolved metals bottle

Signature: [signature] **Date:** 1/23/23
QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/23/23

GROUNDWATER SAMPLING LOG

Project Name:	High Point C&D LF	**Project No./Phase No.:**	31405795.004
Well ID:	MW-6	**Sampler(s):**	Nicolas Tejeda/ Johnathan Serencsics
Well Diameter:	2 inches	**Initial Depth to Water:**	5.67 feet
Depth to Bottom:	18.00 feet	**Water Column Thickness:**	12.33 feet
Pumping Rate:	120 → 100 mL/min.	**System Volume:**	620 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
935	7.01	3116	114	2.69	11.6	-178.3	6.54
940	7.02	2966	85.4	1.43	11.1	-187.1	7.26
945	7.01	2932	71.9	1.36	11.1	-182.0	7.39
950	7.01	2917	50.2	1.20	11.0	-175.7	7.54
955	6.98	2909	43.8	1.07	11.3	-166.2	7.70
100 mL/min → 1000	6.96	2899	42.5	0.91	11.1	-167.0	7.68
1005	6.94	2893	40.1	0.68	10.9	-166.7	7.64
1010	6.93	2883	33.9	0.67	11.0	-167.1	7.63
1015	6.91	2872	30.5	0.72	11.1	-169.4	7.65
1020	6.87	2866	27.2	0.85	11.1	-171.8	7.67
1025	6.86	2862	25.2	0.41	11.1	-175.2	7.68
1030	6.87	2855	22.4	0.38	11.2	-171.5	7.70
1035	6.86	2850	20.1	0.31	11.3	-174.2	7.70
1040	6.85	2841	18.6	0.27	11.4	-176.1	7.71
1045	6.81	2833	16.2	0.29	11.3	-172.4	7.76
1050	6.80	2827	14.8	0.27	11.5	-173.3	7.79
1055	6.78	2815	14.1	0.26	11.4	-174.5	7.80
1100	6.76	2800	10.6	0.26	11.6	-173.7	7.82
1105	6.75	2789	10.2	0.23	11.4	-175.8	7.81
1110	6.73	2762	9.15	0.23	11.5	-181.3	7.82

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 930 Sample @ 1110
Weather: Sunny, 50s

Signature: [signature] **Date:** 1/23/23

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/24/2023

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-75
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 23.87 feet
Depth to Bottom: 47.70 feet
Water Column Thickness: 23.83 feet
Pumping Rate: 180 mL/min.
System Volume: 1104 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1040	7.62	807	27.7	1.27	13.6	284.7	24.37
1045	7.38	919	13.1	1.06	13.6	262.6	24.89
1049	6.40	1135	2.40	0.40	13.6	255.5	25.21
1053	6.35	1144	3.17	0.27	13.5	246.6	25.69
1057	6.30	1133	2.30	0.23	13.5	231.1	25.98
1101	6.35	1131	1.42	0.19	13.7	222.2	26.11
1101	SAMPLE						

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1035
Weather: Sunny

Signature: [signature] **Date:** 1/24/2023

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/23/2023

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: MW-8
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 2.90 feet
Depth to Bottom: 28.10 feet
Water Column Thickness: 25.20 feet
Pumping Rate: 140 mL/min.
System Volume: 650 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1008	6.04	2247	1.01	0.77	12.5	-1.1	3.55
1013	6.07	2264	0.57	0.14	12.7	-9.5	3.97
1018	6.10	2280	5.10	0.10	12.6	-17.5	5.01
1023	6.12	2272	5.25	0.11	12.6	-10.1	6.11
1023	SAMPLE						

MW

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1003
Weather: Sunny, 40s

Signature: _____ **Date:** 1/23/2023

QA/QC Sign Off: _____ **Date:** 4/11/23

DATE: 1/23/2023

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: AMW-1
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 5.20 feet
Depth to Bottom: 15.00 feet
Water Column Thickness: 9.80 feet
Pumping Rate: 120 mL/min.
System Volume: 590 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1410	7.10	1254	98.1	2.95	12.1	-10.1	5.35
1415	6.93	1237	176	1.01	11.0	-17.5	5.35
1420	6.89	1229	276	0.98	11.0	-20.9	5.35
1425	6.88	1211	287	0.97	10.9	-22.2	5.35
1430	6.85	1209	209	0.88	10.9	-25.6	5.35
1440	6.70	1507	74.4	0.95	10.9	-27.7	5.35
1450	6.68	1522	22.1	0.99	10.9	-22.3	5.35
1500	6.62	1530	9.09	1.01	11.1	-19.9	5.35
1500	SAMPLE						

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1405
Weather: Overcast

Signature: [signature] **Date:** 1/23/2023

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/23/23

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: AMW-2
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 3.88 feet
Depth to Bottom: 15.00 feet
Water Column Thickness: TM ~~11.82~~ feet
Pumping Rate: 120 mL/min.
System Volume: 600 ml 11.12 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
Dedicated BP, MP-15

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
1250	6.66	1243	37.4	3.84	10.7	-192.6	3.96
1255	6.72	1234	10.0	2.79	10.6	-189.5	3.96
1300	6.59	1219	7.33	2.84	10.6	-198.3	3.96
1305	6.56	1211	8.56	2.60	10.6	-198.3	3.96
1310	6.56	1207	5.13	2.34	10.6	-197.8	3.96
1315	6.55	1203	7.10	2.27	10.6	-199.6	3.96
1320	6.58	1199	4.18	2.36	10.6	-195.7	3.96
Sample @ 1320							

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 1245
Weather: Sunny, 50s

Signature: [signature] **Date:** 1/23/23

QA/QC Sign Off: [signature] **Date:** 4/11/23

DATE: 1/24 ~~1/25~~/2023
JS

GROUNDWATER SAMPLING LOG

Project Name: High Point C&D LF
Project No./Phase No.: 31405795.004
Well ID: P-3
Sampler(s): Nicolas Tejeda/ Johnathan Serencsics
Well Diameter: 2 inches
Initial Depth to Water: 5.45 feet
Depth to Bottom: 27.72 feet
Water Column Thickness: 22.27 feet
Pumping Rate: 260 → 160 → 140 mL/min.
System Volume: 370 mL

Equipment: *Turbidimeter, YSI ProPlus, WL Meter*
JS ~~*Dedicated BP, MP-15*~~, peri pump, battery pack.

Time	pH (S.U.)	Sp. Cond. (uS/cm)	Turb (NTU)	Dis O_2 (mg/L)	Temp. (°C)	ORP (millivolts)	DTW (feet)
837	8.45	180.7	~~78.1~~	2.52	12.6	194.6	6.29
842	7.69	180.0	92.5	1.70	12.5	202.4	6.45
847	7.29	178.4	93.1	1.99	12.5	230.1	6.42
857	6.68	175.7	80.7	2.05	12.0	251.4	6.45
907	6.60	173.3	75.1	2.10	12.1	265.7	6.45
917	6.62	170.1	70.9	1.97	12.2	281.1	6.45
927	6.63	169.8	68.7	1.92	12.2	282.2	6.45
937	6.65	166.6	62.1	1.89	12.2	283.3	6.45
937	SAMPLE						

down to 160 →
140 →

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Begin Purge @ 832
Weather: Sun, low 30s
* Field filter metals bottle collected (additional)
Turbs = 4.37 NTU.

Signature: [signature] **Date:** ~~1/23/2023~~ 1/24/2023

QA/QC Sign Off: [signature] **Date:** 4/11/23

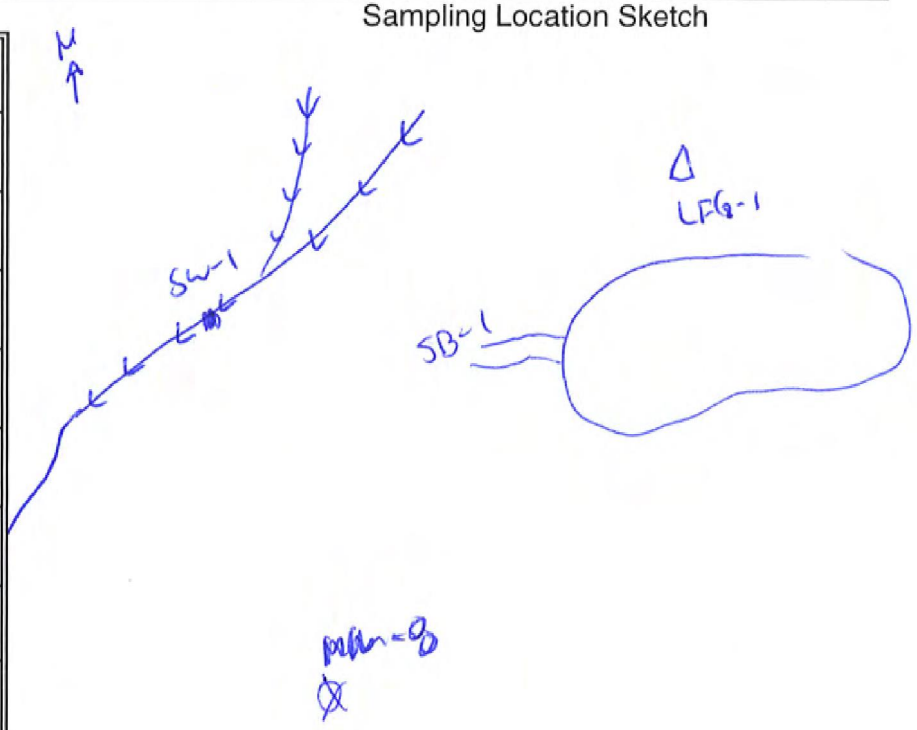
DATE: 1/24/2023

Surface water
~~LEACHATE~~ SAMPLING LOG

Project Name: High Point C&D LF **Project No./Phase No.:** 31405795.004
Sample ID: SW-1 **Sampler(s):** Nicolas Tejeda/ Johnathan Serencsics
Sampling Location: –
Equipment: *YSI, HACH 2100Q*

Time	1331
pH s.u.	7.40
Sp. Cond. uS/cm	140.1
Turb. ntu	20.56
Temp. °C	8.4
DO	10.11
ORP	-167.1

Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: Date: 1/24/2023

QA/QC Sign Off: Date: 4/11/23

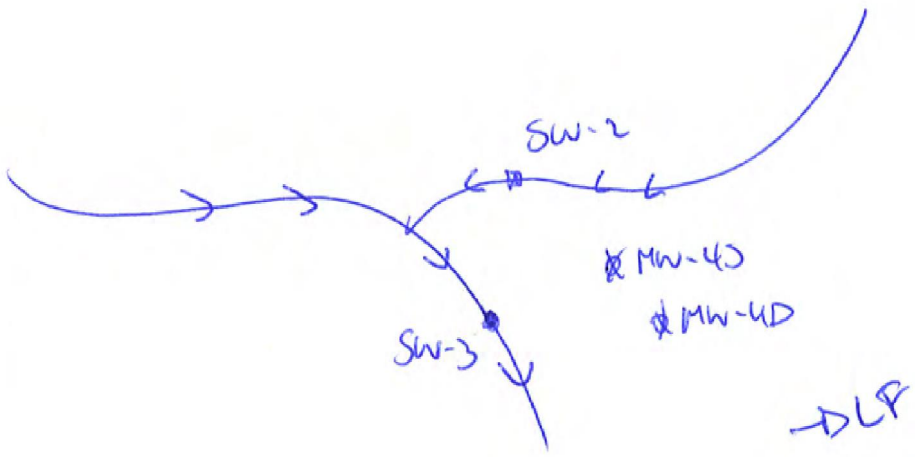
DATE: 1/24/2023

SURFACE WATER SAMPLING LOG

Project Name: High point C&D LF **Project No./Phase No.:** 31405795.004
Sample ID: SW-2 **Sampler(s):** Nicolas Tejeda/ Johnathan Serencsics
Sampling Location: —
Equipment: YSI, Turbidimeter

Time	1309
pH s.u.	7.88
Sp. Cond. uS/cm	190.7
Turb. ntu	20.9
Dis. O_2 mg/L	9.57
Temp. °C	7.3
ORP mv	130.2

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: _____ **Date:** 1/24/2023

QA/QC Sign Off: _____ **Date:** 4/11/23

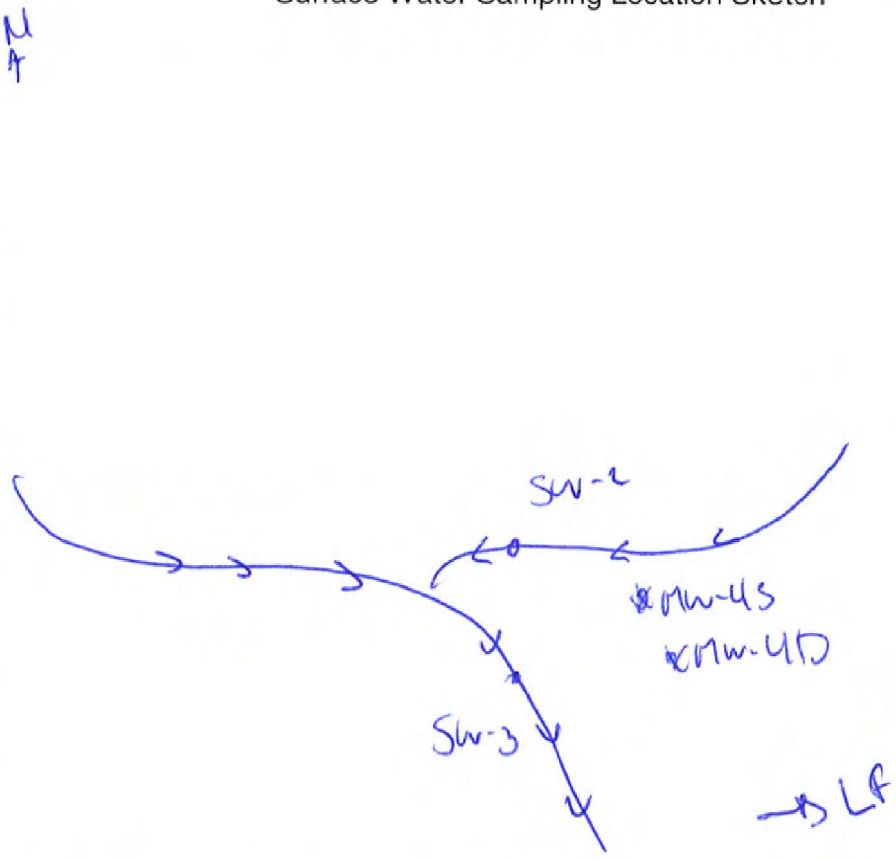
DATE: 1/24/2023

SURFACE WATER SAMPLING LOG

Project Name: High point C&D LF **Project No./Phase No.:** 31405795.004
Sample ID: SW-3 **Sampler(s):** Nicolas Tejeda/ Johnathan Serencsics
Sampling Location: —
Equipment: YSI, Turbidimeter

Time	1253
pH s.u.	7.97
Sp. Cond. uS/cm	29.9
Turb. ntu	174.9
Dis. O_2 mg/L	9.69
Temp. °C	6.7
ORP mv	70.7

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: _____ **Date:** 1/24/2023

QA/QC Sign Off: _____ **Date:** 4/11/23

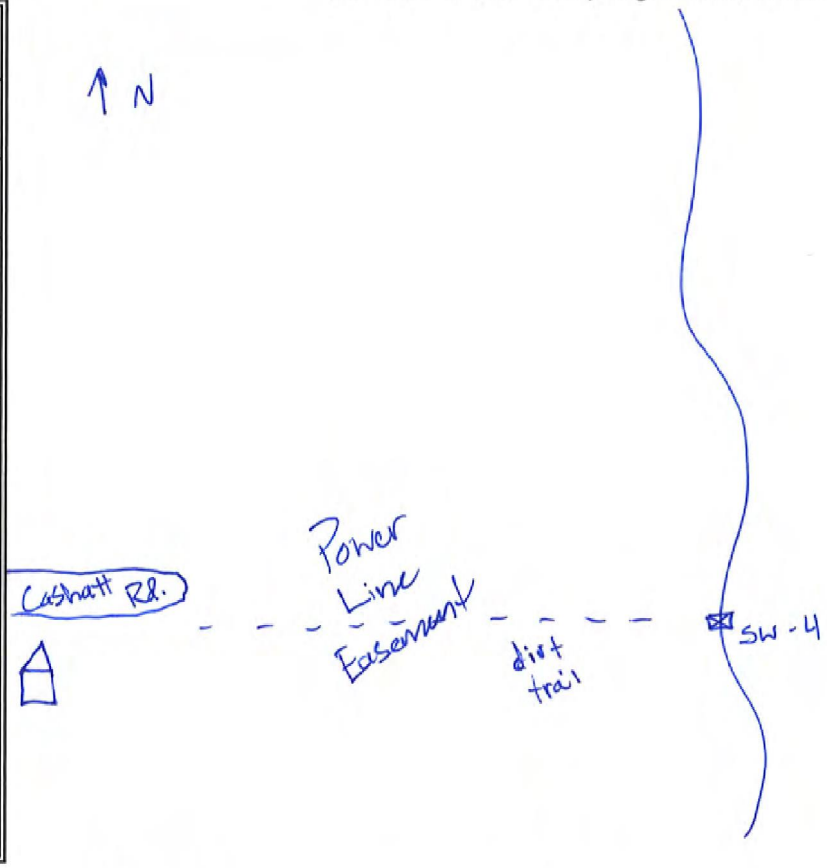
DATE: 1/25/23

SURFACE WATER SAMPLING LOG

Project Name: High point C&D LF **Project No./Phase No.:** 31405795.004
Sample ID: SW-4 **Sampler(s):** Nicolas Tejeda/ Johnathan Serencsics
Sampling Location: —
Equipment: YSI, Turbidimeter, Dakton

Time	910
pH s.u.	8.33
Sp. Cond. uS/cm	200.1
Turb. ntu	45.0
Dis. O_2 mg/L	10.42
Temp. °C	6.8
ORP mv	-186.8

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: [signature] **Date:** 1/25/23

QA/QC Sign Off: [signature] **Date:** 4/11/23

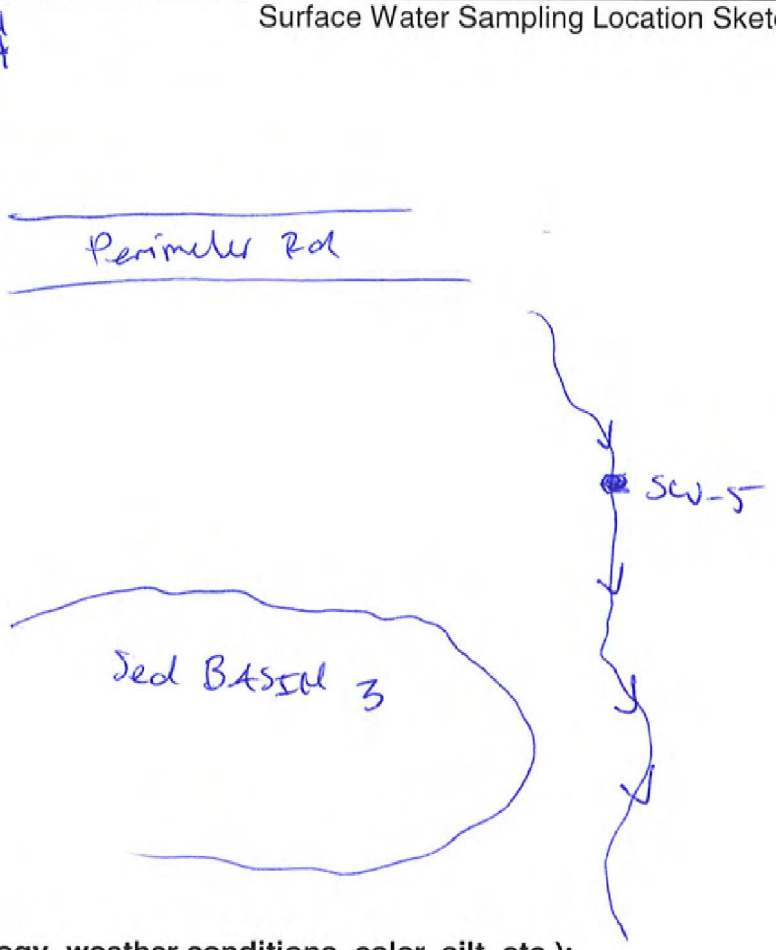
DATE: 1/24/2023

SURFACE WATER SAMPLING LOG

Project Name: High point C&D LF **Project No./Phase No.:** 31405795.004
Sample ID: SW-5 **Sampler(s):** Nicolas Tejeda/ Johnathan Serencsics
Sampling Location: –
Equipment: YSI, Turbidimeter

Time	1246
pH s.u.	7.14
Sp. Cond. uS/cm	669
Turb. ntu	7.63
Dis. O_2 mg/L	6.47
Temp. °C	12.7
ORP mv	-46.6

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: Date: 1/24/2023

QA/QC Sign Off: Date: 4/11/23

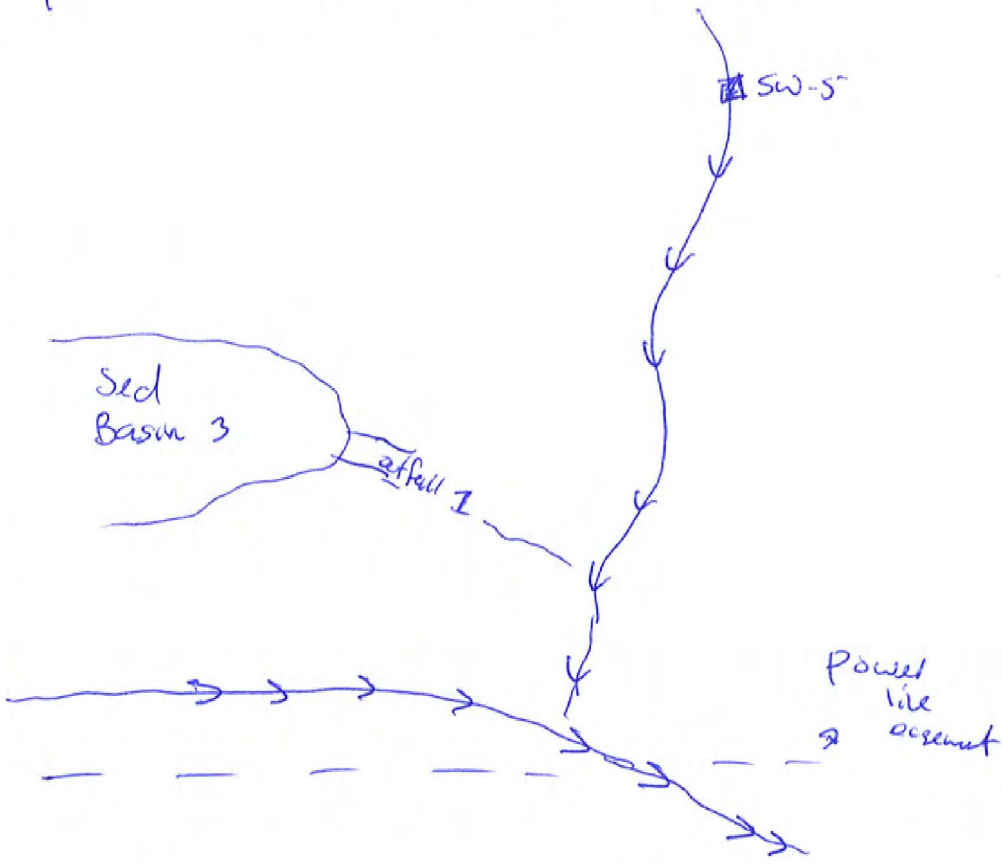
DATE: 1/24/2023

SURFACE WATER SAMPLING LOG

Project Name: High point C&D LF **Project No./Phase No.:** 31405795.004
Sample ID: SW-6 **Sampler(s):** Nicolas Tejeda, Johnathan Serencsics
Sampling Location: —
Equipment: YSI, Turbidimeter

Time	1207
pH s.u.	8.31
Sp. Cond. uS/cm	174.3
Turb. ntu	30.5
Dis. O_2 mg/L	10.72
Temp. °C	5.2
ORP mv	232.5

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: _____ **Date:** 1/24/2023

QA/QC Sign Off: _____ **Date:** 4/11/23

APPENDIX B

Groundwater and Surface Water Certificate-of-Analysis, Chain-of-Custodies, and Lab Data Reviews

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Travis Martinez
WSP USA Inc
5B Oak Branch Drive
Greensboro, North Carolina 27407

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JOB DESCRIPTION

High Point
High Point

JOB NUMBER

752-1612-1

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511

See page two for job notes and contact information.

Eurofins Raleigh

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
Amanda Gaines, Project Manager
amanda.gaines@et.eurofinsus.com
(919)677-1669

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Definitions/Glossary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
H4	Container indicated preservation, however measured pH was >2 at time of analysis. Analysis date was more than 7 days from sampling date, as required for samples not preserved to pH<2.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 752-1612-1

Laboratory: Eurofins Raleigh

Narrative

Job Narrative
752-1612-1

Comments
No additional comments.

Receipt
The samples were received on 1/24/2023 12:00 PM and 1/25/2023 2:45 PM. Unless otherwise noted below, the samples arrive good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.2º and 0.2º C.

GC/MS VOA
Method 8260D: The method blank for analytical batch 752-879 contained 2-Butanone (MEK) and trans-1,2-Dichloroethene abov the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL). 2-Butanone MDL recently adjusted to 10 ug/L with a RL of 20 ug/L.

Method 8260D: The continuing calibration verification (CCV) associated with batch 752-879 recovered outside acceptance criter low biased, for Chloroethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 752-879 recovered outside control limits for the following analyte(s): 2-Butanone (MEK). 2-Butanone (MEK) has been identified a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260D: The LCS and/or LCSD recovered low for 1,2-Dichloropropane, Benzene, Chlorobenzene, Chloroform, Styrene a 1,4-Dichlorobenzene. A MRL sample was analyzed and all target compounds were detected. Samples with target non-detects a reported. Samples with target compounds detected > reporting limit (RL) will be re-analyzed.

(LCS 752-879/3) and (LCSD 752-879/4)

Method 8260D: Sample 4116-Field Blank (752-1993-11) detected Acetone at 21 ug/L. The sample was reanalyzed out of hold w confirming results. The in hold data were reported.

4116-Field Blank (752-1993-11)

Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quali control parameters in the initial analysis. 4116-MW2 (752-1612-2), 4116-MW6 (752-1612-4), 4116-MW8 (752-1612-5) and 4116-MW7S (752-1993-10)

Method 8260D: The MRL sample (MRL 752-1195/4) was double spiked by the instrument. The surrogate recoveries are elevate The data were reported.

(MRL 752-1195/4)

Method 8260D SIM 14D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: 4116-MW6 (752-1612-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 752-1612-1 (Continued)

Laboratory: Eurofins Raleigh (Continued)

Metals

Method 6020B: The method blank for preparation batch 680-760799 and analytical batch 680-761081 contained antimony abov the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL.

Method 6020B: The method blank for preparation batch 680-761891 and analytical batch 680-762158 contained antimony abov the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 752-867 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 2540C: TDS/CONDUCTIVITY Ratio exceeds requirements

4116-MW5 (752-1612-3)

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 752-885 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 2540C: TDS/Conductivity ratio outside of requirements

4116-MW3 (752-1993-8), 4116-MW4S (752-1993-9), 4116-MW7S (752-1993-10), (752-1743-D-1) and (752-1743-D-1 DU)

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 752-925 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW1 — Lab Sample ID: 752-1612-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	190		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	33		10	4.4	ug/L	1		6010D	Total Recoverable
Nickel	3.7	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	1.6	J	10	1.0	ug/L	1		6010D	Total Recoverable
Manganese	4.7	J	10	1.3	ug/L	1		6010D	Total Recoverable
Antimony	0.36	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	410		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-MW2 — Lab Sample ID: 752-1612-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	41		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Acetone	23		20	10	ug/L	1		8260D	Total/NA
Benzene	1.5	H	1.0	0.15	ug/L	1		8260D	Total/NA
Toluene	0.18	J	1.0	0.14	ug/L	1		8260D	Total/NA
Chloride	110		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	39		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	690		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	2.0	J	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	7.3	J	10	1.4	ug/L	1		6010D	Total Recoverable
Nickel	5.5	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	2.0	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	19000		100	20	ug/L	1		6010D	Total Recoverable
Manganese	6900		10	1.3	ug/L	1		6010D	Total Recoverable
Antimony	0.39	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1200		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-MW5 — Lab Sample ID: 752-1612-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.5		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
Chloride	2.7		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	14		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	35		10	4.4	ug/L	1		6010D	Total Recoverable
Vanadium	1.5	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	35000		100	20	ug/L	1		6010D	Total Recoverable
Manganese	1300		10	1.3	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	120		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW6 — Lab Sample ID: 752-1612-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	140	H4	5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Acetone	49		20	10	ug/L	1		8260D	Total/NA
Benzene	2.8	H	1.0	0.15	ug/L	1		8260D	Total/NA
Toluene	0.17	J	1.0	0.14	ug/L	1		8260D	Total/NA
Tetrahydrofuran	99		1.0	0.53	ug/L	1		8260D	Total/NA
Chloride	160		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	61		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	490		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	2.7	J	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	14		10	1.4	ug/L	1		6010D	Total Recoverable
Nickel	8.2	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	3.5	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	13000		100	20	ug/L	1		6010D	Total Recoverable
Manganese	4800		10	1.3	ug/L	1		6010D	Total Recoverable
Antimony	0.35	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable
Total Dissolved Solids	1700		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-MW8 — Lab Sample ID: 752-1612-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	58		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Acetone	21		20	10	ug/L	1		8260D	Total/NA
Benzene	1.6	H	1.0	0.15	ug/L	1		8260D	Total/NA
Toluene	0.31	J	1.0	0.14	ug/L	1		8260D	Total/NA
Vinyl chloride	0.96	J	1.0	0.32	ug/L	1		8260D	Total/NA
Chloride	170		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	65		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	230		10	4.4	ug/L	1		6010D	Total Recoverable
Cobalt	9.5	J	10	1.4	ug/L	1		6010D	Total Recoverable
Nickel	8.5	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	1.1	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	4300		100	20	ug/L	1		6010D	Total Recoverable
Manganese	34000		100	13	ug/L	10		6010D	Total Recoverable
Total Dissolved Solids	1500		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-AMW1 — Lab Sample ID: 752-1612-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	23		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Acetone	13	J	20	10	ug/L	1		8260D	Total/NA
Benzene	0.62	J *-	1.0	0.15	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-AMW1 (Continued) — Lab Sample ID: 752-1612-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	72		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	46		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	360		10	4.4	ug/L	1		6010D	Total Recoverable
Cobalt	9.5	J	10	1.4	ug/L	1		6010D	Total Recoverable
Nickel	4.4	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	1.9	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	13000		100	20	ug/L	1		6010D	Total Recoverable
Manganese	5800		10	1.3	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	840		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-AMW2 — Lab Sample ID: 752-1612-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	54		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Acetone	11	J	20	10	ug/L	1		8260D	Total/NA
Benzene	0.87	J *-	1.0	0.15	ug/L	1		8260D	Total/NA
Tetrahydrofuran	54		1.0	0.53	ug/L	1		8260D	Total/NA
Chloride	73		0.50	0.20	mg/L	1		300.0	Total/NA
Sulfate	32		1.0	0.40	mg/L	1		300.0	Total/NA
Barium	210		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	1.3	J	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	9.3	J	10	1.4	ug/L	1		6010D	Total Recoverable
Nickel	5.2	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	1.3	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	2600		100	20	ug/L	1		6010D	Total Recoverable
Manganese	2700		10	1.3	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	810		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-P3 — Lab Sample ID: 752-1993-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	61		10	4.4	ug/L	1		6010D	Total Recoverable
Cadmium	2.5	J	5.0	0.44	ug/L	1		6010D	Total Recoverable
Chromium	4.4	J	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	2.3	J	10	1.4	ug/L	1		6010D	Total Recoverable
Copper	8.9	J	20	3.2	ug/L	1		6010D	Total Recoverable
Nickel	4.6	J	40	3.3	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-P3 (Continued) — Lab Sample ID: 752-1993-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	11		10	1.0	ug/L	1		6010D	Total Recoverable
Iron	3600		100	20	ug/L	1		6010D	Total Recoverable
Manganese	390		10	1.3	ug/L	1		6010D	Total Recoverable
Antimony	0.87	J F2 F1 B	5.0	0.34	ug/L	1		6020B	Total Recoverable

Client Sample ID: 4116-SW1 — Lab Sample ID: 752-1993-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	40		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	1.1	J	10	1.1	ug/L	1		6010D	Total Recoverable
Copper	5.0	J	20	3.2	ug/L	1		6010D	Total Recoverable
Vanadium	3.7	J	10	1.0	ug/L	1		6010D	Total Recoverable
Zinc	19	J	20	8.7	ug/L	1		6010D	Total Recoverable
Antimony	0.84	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable

Client Sample ID: 4116-SW2 — Lab Sample ID: 752-1993-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.4		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
Barium	43		10	4.4	ug/L	1		6010D	Total Recoverable
Copper	3.2	J	20	3.2	ug/L	1		6010D	Total Recoverable
Antimony	0.61	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable

Client Sample ID: 4116-SW3 — Lab Sample ID: 752-1993-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.7		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
2-Butanone (MEK)	10	J B *+	20	10	ug/L	1		8260D	Total/NA
Acetone	12	J	20	10	ug/L	1		8260D	Total/NA
Methylene Chloride	0.25	J	1.0	0.23	ug/L	1		8260D	Total/NA
Barium	56		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	2.7	J	10	1.1	ug/L	1		6010D	Total Recoverable
Copper	5.5	J	20	3.2	ug/L	1		6010D	Total Recoverable
Vanadium	6.1	J	10	1.0	ug/L	1		6010D	Total Recoverable
Antimony	0.46	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-SW4 — Lab Sample ID: 752-1993-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.0		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
Barium	50		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	2.3	J	10	1.1	ug/L	1		6010D	Total Recoverable
Copper	4.7	J	20	3.2	ug/L	1		6010D	Total Recoverable
Vanadium	5.3	J	10	1.0	ug/L	1		6010D	Total Recoverable
Antimony	0.40	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable

Client Sample ID: 4116-SW5 — Lab Sample ID: 752-1993-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	14		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Acetone	12	J	20	10	ug/L	1		8260D	Total/NA
Barium	160		10	4.4	ug/L	1		6010D	Total Recoverable
Cobalt	15		10	1.4	ug/L	1		6010D	Total Recoverable
Nickel	4.5	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	2.4	J	10	1.0	ug/L	1		6010D	Total Recoverable
Antimony	0.34	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable

Client Sample ID: 4116-SW6 — Lab Sample ID: 752-1993-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.1		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
Acetone	11	J	20	10	ug/L	1		8260D	Total/NA
Barium	54		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	3.2	J	10	1.1	ug/L	1		6010D	Total Recoverable
Copper	6.0	J	20	3.2	ug/L	1		6010D	Total Recoverable
Vanadium	7.0	J	10	1.0	ug/L	1		6010D	Total Recoverable
Antimony	0.39	J B	5.0	0.34	ug/L	1		6020B	Total Recoverable

Client Sample ID: 4116-MW3 — Lab Sample ID: 752-1993-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.3		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
Chloride	14		5.0	2.2	mg/L	1		300.0	Total/NA
Sulfate	9.7		5.0	2.9	mg/L	1		300.0	Total/NA
Barium	51		10	4.4	ug/L	1		6010D	Total Recoverable
Chromium	4.8	J	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	2.2	J	10	1.4	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 4116-MW3 (Continued) — Lab Sample ID: 752-1993-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	1.4	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	4700		100	20	ug/L	1		6010D	Total Recoverable
Manganese	150		10	1.3	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	160		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-MW4S — Lab Sample ID: 752-1993-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.3		0.50	0.32	ug/L	1		8260D SIM 14D	Total/NA
Chloride	17		5.0	2.2	mg/L	1		300.0	Total/NA
Sulfate	26		5.0	2.9	mg/L	1		300.0	Total/NA
Barium	91		10	4.4	ug/L	1		6010D	Total Recoverable
Vanadium	1.4	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	810		100	20	ug/L	1		6010D	Total Recoverable
Manganese	33		10	1.3	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	840		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-MW7S — Lab Sample ID: 752-1993-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	23		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
Benzene	1.2	H	1.0	0.15	ug/L	1		8260D	Total/NA
Methylene Chloride	0.58	J	1.0	0.23	ug/L	1		8260D	Total/NA
Chloride	82		5.0	2.2	mg/L	1		300.0	Total/NA
Sulfate	46		5.0	2.9	mg/L	1		300.0	Total/NA
Barium	790		10	4.4	ug/L	1		6010D	Total Recoverable
Nickel	20	J	40	3.3	ug/L	1		6010D	Total Recoverable
Vanadium	9.3	J	10	1.0	ug/L	1		6010D	Total Recoverable
Iron	65	J	100	20	ug/L	1		6010D	Total Recoverable
Manganese	180		10	1.3	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	140		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4116-Field Blank — Lab Sample ID: 752-1993-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		20	10	ug/L	1		8260D	Total/NA

Client Sample ID: 4116-Trip Blank — Lab Sample ID: 752-1993-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.33	J *-	1.0	0.18	ug/L	1		8260D	Total/NA
Methylene Chloride	0.26	J	1.0	0.23	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW1

Date Collected: 01/23/23 09:04
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-1

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.32		0.50	0.32	ug/L			02/02/23 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*02/02/23 15:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/02/23 22:32	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/02/23 22:32	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/02/23 22:32	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/02/23 22:32	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/02/23 22:32	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 22:32	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/02/23 22:32	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 22:32	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/02/23 22:32	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/02/23 22:32	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/02/23 22:32	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/02/23 22:32	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/02/23 22:32	1
Acetone	<10		20	10	ug/L			02/02/23 22:32	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/02/23 22:32	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/02/23 22:32	1
Bromoform	<0.22		1.0	0.22	ug/L			02/02/23 22:32	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/02/23 22:32	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/02/23 22:32	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/02/23 22:32	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/02/23 22:32	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/02/23 22:32	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/02/23 22:32	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/02/23 22:32	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 22:32	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/02/23 22:32	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/02/23 22:32	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/02/23 22:32	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/02/23 22:32	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/02/23 22:32	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/02/23 22:32	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/02/23 22:32	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/02/23 22:32	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/02/23 22:32	1
Toluene	<0.14		1.0	0.14	ug/L			02/02/23 22:32	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 22:32	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/02/23 22:32	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/02/23 22:32	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 22:32	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/02/23 22:32	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/02/23 22:32	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/02/23 22:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/02/23 22:32	1

Client Sample ID: 4116-MW1
Date Collected: 01/23/23 09:04
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/02/23 22:32	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/02/23 22:32	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/02/23 22:32	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/02/23 22:32	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/02/23 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/02/23 22:32*	*1*
Dibromofluoromethane (Surr)	*109*		*67 - 129*		*02/02/23 22:32*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/02/23 22:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		0.50	0.20	mg/L			02/16/23 19:46	1
Sulfate	**190**		1.0	0.40	mg/L			02/16/23 19:46	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:02	1
Barium	**33**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:02	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:02	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:02	1
Chromium	<1.1		10	1.1	ug/L		01/27/23 06:03	01/27/23 14:02	1
Cobalt	<1.4		10	1.4	ug/L		01/27/23 06:03	01/27/23 14:02	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:02	1
Selenium	<10		20	10	ug/L		01/27/23 06:03	01/27/23 14:02	1
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:02	1
Nickel	**3.7**	**J**	40	3.3	ug/L		01/27/23 06:03	01/27/23 14:02	1
Silver	<1.5		10	1.5	ug/L		01/27/23 06:03	01/27/23 14:02	1
Vanadium	**1.6**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:02	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:02	1
Iron	<20		100	20	ug/L		01/27/23 06:03	01/27/23 14:02	1
Manganese	**4.7**	**J**	10	1.3	ug/L		01/27/23 06:03	01/27/23 14:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.36**	**J B**	5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:24	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 12:33	01/31/23 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**410**		50	50	mg/L			01/30/23 13:36	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW2

Date Collected: 01/23/23 12:35
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-2

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**41**		5.0	3.2	ug/L			02/02/23 17:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*02/02/23 17:55*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/02/23 23:04	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/02/23 23:04	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/02/23 23:04	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/02/23 23:04	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/02/23 23:04	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 23:04	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/02/23 23:04	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 23:04	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/02/23 23:04	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/02/23 23:04	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/02/23 23:04	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/02/23 23:04	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/02/23 23:04	1
Acetone	**23**		20	10	ug/L			02/02/23 23:04	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/02/23 23:04	1
Benzene	**1.5**	**H**	1.0	0.15	ug/L			02/16/23 01:41	1
Bromoform	<0.22		1.0	0.22	ug/L			02/02/23 23:04	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/02/23 23:04	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/02/23 23:04	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/02/23 23:04	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/02/23 23:04	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/02/23 23:04	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/02/23 23:04	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/02/23 23:04	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 23:04	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/02/23 23:04	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/02/23 23:04	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/02/23 23:04	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/02/23 23:04	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/02/23 23:04	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/02/23 23:04	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/02/23 23:04	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/02/23 23:04	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/02/23 23:04	1
Toluene	**0.18**	**J**	1.0	0.14	ug/L			02/02/23 23:04	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 23:04	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/02/23 23:04	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/02/23 23:04	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 23:04	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/02/23 23:04	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/02/23 23:04	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/02/23 23:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/02/23 23:04	1

Client Sample ID: 4116-MW2
Date Collected: 01/23/23 12:35
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/02/23 23:04	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/02/23 23:04	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/02/23 23:04	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/02/23 23:04	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/02/23 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*53 - 136*		*02/02/23 23:04*	*1*
4-Bromofluorobenzene (Surr)	*130*		*53 - 136*		*02/16/23 01:41*	*1*
Dibromofluoromethane (Surr)	*108*		*67 - 129*		*02/02/23 23:04*	*1*
Dibromofluoromethane (Surr)	*94*		*67 - 129*		*02/16/23 01:41*	*1*
Toluene-d8 (Surr)	*107*		*59 - 134*		*02/02/23 23:04*	*1*
Toluene-d8 (Surr)	*120*		*59 - 134*		*02/16/23 01:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		0.50	0.20	mg/L			02/16/23 19:59	1
Sulfate	**39**		1.0	0.40	mg/L			02/16/23 19:59	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:10	1
Barium	**690**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:10	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:10	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:10	1
Chromium	**2.0**	**J**	10	1.1	ug/L		01/27/23 06:03	01/27/23 14:10	1
Cobalt	**7.3**	**J**	10	1.4	ug/L		01/27/23 06:03	01/27/23 14:10	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:10	1
Selenium	<10		20	10	ug/L		01/27/23 06:03	01/27/23 14:10	1
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:10	1
Nickel	**5.5**	**J**	40	3.3	ug/L		01/27/23 06:03	01/27/23 14:10	1
Silver	<1.5		10	1.5	ug/L		01/27/23 06:03	01/27/23 14:10	1
Vanadium	**2.0**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:10	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:10	1
Iron	**19000**		100	20	ug/L		01/27/23 06:03	01/27/23 14:10	1
Manganese	**6900**		10	1.3	ug/L		01/27/23 06:03	01/27/23 14:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.39**	**J B**	5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:36	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 12:33	01/31/23 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		50	50	mg/L			01/30/23 13:36	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW5

Date Collected: 01/23/23 15:30
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-3

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.5		0.50	0.32	ug/L			02/02/23 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*02/02/23 15:40*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/02/23 23:35	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/02/23 23:35	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/02/23 23:35	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/02/23 23:35	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/02/23 23:35	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 23:35	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/02/23 23:35	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 23:35	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/02/23 23:35	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/02/23 23:35	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/02/23 23:35	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/02/23 23:35	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/02/23 23:35	1
Acetone	<10		20	10	ug/L			02/02/23 23:35	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/02/23 23:35	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/02/23 23:35	1
Bromoform	<0.22		1.0	0.22	ug/L			02/02/23 23:35	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/02/23 23:35	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/02/23 23:35	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/02/23 23:35	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/02/23 23:35	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/02/23 23:35	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/02/23 23:35	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/02/23 23:35	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 23:35	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/02/23 23:35	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/02/23 23:35	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/02/23 23:35	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/02/23 23:35	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/02/23 23:35	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/02/23 23:35	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/02/23 23:35	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/02/23 23:35	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/02/23 23:35	1
Toluene	<0.14		1.0	0.14	ug/L			02/02/23 23:35	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 23:35	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/02/23 23:35	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/02/23 23:35	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 23:35	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/02/23 23:35	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/02/23 23:35	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/02/23 23:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/02/23 23:35	1

Client Sample ID: 4116-MW5
Date Collected: 01/23/23 15:30
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/02/23 23:35	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/02/23 23:35	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/02/23 23:35	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/02/23 23:35	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/02/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/02/23 23:35*	*1*
Dibromofluoromethane (Surr)	*109*		*67 - 129*		*02/02/23 23:35*	*1*
Toluene-d8 (Surr)	*109*		*59 - 134*		*02/02/23 23:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.7**		0.50	0.20	mg/L			02/16/23 20:12	1
Sulfate	**14**		1.0	0.40	mg/L			02/16/23 20:12	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:12	1
Barium	**35**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:12	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:12	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:12	1
Chromium	<1.1		10	1.1	ug/L		01/27/23 06:03	01/27/23 14:12	1
Cobalt	<1.4		10	1.4	ug/L		01/27/23 06:03	01/27/23 14:12	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:12	1
Selenium	<10		20	10	ug/L		01/27/23 06:03	01/27/23 14:12	1
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:12	1
Nickel	<3.3		40	3.3	ug/L		01/27/23 06:03	01/27/23 14:12	1
Silver	<1.5		10	1.5	ug/L		01/27/23 06:03	01/27/23 14:12	1
Vanadium	**1.5**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:12	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:12	1
Iron	**35000**		100	20	ug/L		01/27/23 06:03	01/27/23 14:12	1
Manganese	**1300**		10	1.3	ug/L		01/27/23 06:03	01/27/23 14:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:40	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 13:47	01/31/23 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		50	50	mg/L			01/30/23 13:36	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW6

Date Collected: 01/23/23 11:10
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-4

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**140**	**H4**	5.0	3.2	ug/L			02/02/23 18:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*02/02/23 18:23*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 00:06	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 00:06	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 00:06	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 00:06	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 00:06	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 00:06	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 00:06	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 00:06	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 00:06	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 00:06	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 00:06	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 00:06	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 00:06	1
Acetone	**49**		20	10	ug/L			02/03/23 00:06	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 00:06	1
Benzene	**2.8**	**H**	1.0	0.15	ug/L			02/16/23 02:13	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 00:06	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 00:06	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 00:06	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 00:06	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 00:06	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 00:06	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 00:06	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 00:06	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 00:06	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 00:06	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 00:06	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 00:06	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 00:06	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 00:06	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 00:06	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 00:06	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 00:06	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 00:06	1
Toluene	**0.17**	**J**	1.0	0.14	ug/L			02/03/23 00:06	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 00:06	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 00:06	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 00:06	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 00:06	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 00:06	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 00:06	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 00:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 00:06	1

Client Sample ID: 4116-MW6
Date Collected: 01/23/23 11:10
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 00:06	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 00:06	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 00:06	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 00:06	1
Tetrahydrofuran	**99**		1.0	0.53	ug/L			02/03/23 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*53 - 136*		*02/03/23 00:06*	*1*
4-Bromofluorobenzene (Surr)	*134*		*53 - 136*		*02/16/23 02:13*	*1*
Dibromofluoromethane (Surr)	*104*		*67 - 129*		*02/03/23 00:06*	*1*
Dibromofluoromethane (Surr)	*95*		*67 - 129*		*02/16/23 02:13*	*1*
Toluene-d8 (Surr)	*108*		*59 - 134*		*02/03/23 00:06*	*1*
Toluene-d8 (Surr)	*121*		*59 - 134*		*02/16/23 02:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		0.50	0.20	mg/L			02/16/23 20:25	1
Sulfate	**61**		1.0	0.40	mg/L			02/16/23 20:25	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:15	1
Barium	**490**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:15	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:15	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:15	1
Chromium	**2.7**	**J**	10	1.1	ug/L		01/27/23 06:03	01/27/23 14:15	1
Cobalt	**14**		10	1.4	ug/L		01/27/23 06:03	01/27/23 14:15	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:15	1
Selenium	<10		20	10	ug/L		01/27/23 06:03	01/27/23 14:15	1
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:15	1
Nickel	**8.2**	**J**	40	3.3	ug/L		01/27/23 06:03	01/27/23 14:15	1
Silver	<1.5		10	1.5	ug/L		01/27/23 06:03	01/27/23 14:15	1
Vanadium	**3.5**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:15	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:15	1
Iron	**13000**		100	20	ug/L		01/27/23 06:03	01/27/23 14:15	1
Manganese	**4800**		10	1.3	ug/L		01/27/23 06:03	01/27/23 14:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.35**	**J B**	5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:44	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 13:47	01/31/23 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1700**		50	50	mg/L			01/30/23 13:36	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW8

Date Collected: 01/23/23 10:23
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-5

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**58**		5.0	3.2	ug/L			02/02/23 18:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*02/02/23 18:50*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 00:38	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 00:38	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 00:38	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 00:38	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 00:38	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 00:38	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 00:38	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 00:38	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 00:38	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 00:38	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 00:38	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 00:38	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 00:38	1
Acetone	**21**		20	10	ug/L			02/03/23 00:38	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 00:38	1
Benzene	**1.6**	**H**	1.0	0.15	ug/L			02/16/23 02:44	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 00:38	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 00:38	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 00:38	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 00:38	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 00:38	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 00:38	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 00:38	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 00:38	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 00:38	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 00:38	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 00:38	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 00:38	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 00:38	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 00:38	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 00:38	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 00:38	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 00:38	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 00:38	1
Toluene	**0.31**	**J**	1.0	0.14	ug/L			02/03/23 00:38	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 00:38	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 00:38	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 00:38	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 00:38	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 00:38	1
Vinyl chloride	**0.96**	**J**	1.0	0.32	ug/L			02/03/23 00:38	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 00:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 00:38	1

Client Sample ID: 4116-MW8

Date Collected: 01/23/23 10:23
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 00:38	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 00:38	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 00:38	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 00:38	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*53 - 136*		*02/03/23 00:38*	*1*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*53 - 136*		*02/16/23 02:44*	*1*
Dibromofluoromethane (Surr)	*110*		*67 - 129*		*02/03/23 00:38*	*1*
Dibromofluoromethane (Surr)	*100*		*67 - 129*		*02/16/23 02:44*	*1*
Toluene-d8 (Surr)	*112*		*59 - 134*		*02/03/23 00:38*	*1*
Toluene-d8 (Surr)	*125*		*59 - 134*		*02/16/23 02:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		0.50	0.20	mg/L			02/16/23 20:38	1
Sulfate	**65**		1.0	0.40	mg/L			02/16/23 20:38	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:17	1
Barium	**230**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:17	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:17	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:17	1
Chromium	<1.1		10	1.1	ug/L		01/27/23 06:03	01/27/23 14:17	1
Cobalt	**9.5**	**J**	10	1.4	ug/L		01/27/23 06:03	01/27/23 14:17	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:17	1
Selenium	<100		200	100	ug/L		01/27/23 06:03	01/30/23 14:32	10
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:17	1
Nickel	**8.5**	**J**	40	3.3	ug/L		01/27/23 06:03	01/27/23 14:17	1
Silver	<15		100	15	ug/L		01/27/23 06:03	01/30/23 14:32	10
Vanadium	**1.1**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:17	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:17	1
Iron	**4300**		100	20	ug/L		01/27/23 06:03	01/27/23 14:17	1
Manganese	**34000**		100	13	ug/L		01/27/23 06:03	01/30/23 14:32	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:48	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 13:47	01/31/23 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1500**		50	50	mg/L			01/30/23 13:36	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-AMW1

Date Collected: 01/23/23 15:00
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-6

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**23**		5.0	3.2	ug/L			02/02/23 19:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*02/02/23 19:17*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 01:09	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 01:09	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 01:09	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 01:09	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 01:09	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 01:09	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 01:09	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 01:09	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 01:09	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 01:09	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 01:09	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 01:09	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 01:09	1
Acetone	**13**	**J**	20	10	ug/L			02/03/23 01:09	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 01:09	1
Benzene	**0.62**	**J *-**	1.0	0.15	ug/L			02/03/23 01:09	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 01:09	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 01:09	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 01:09	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 01:09	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 01:09	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 01:09	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 01:09	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 01:09	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 01:09	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 01:09	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 01:09	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 01:09	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 01:09	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 01:09	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 01:09	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 01:09	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 01:09	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 01:09	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 01:09	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 01:09	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 01:09	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 01:09	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 01:09	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 01:09	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 01:09	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 01:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 01:09	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-AMW1
Date Collected: 01/23/23 15:00
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 01:09	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 01:09	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 01:09	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 01:09	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*53 - 136*		*02/03/23 01:09*	*1*
Dibromofluoromethane (Surr)	*108*		*67 - 129*		*02/03/23 01:09*	*1*
Toluene-d8 (Surr)	*111*		*59 - 134*		*02/03/23 01:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72**		0.50	0.20	mg/L			02/16/23 21:18	1
Sulfate	**46**		1.0	0.40	mg/L			02/16/23 21:18	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:20	1
Barium	**360**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:20	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:20	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:20	1
Chromium	<1.1		10	1.1	ug/L		01/27/23 06:03	01/27/23 14:20	1
Cobalt	**9.5**	**J**	10	1.4	ug/L		01/27/23 06:03	01/27/23 14:20	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:20	1
Selenium	<10		20	10	ug/L		01/27/23 06:03	01/27/23 14:20	1
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:20	1
Nickel	**4.4**	**J**	40	3.3	ug/L		01/27/23 06:03	01/27/23 14:20	1
Silver	<1.5		10	1.5	ug/L		01/27/23 06:03	01/27/23 14:20	1
Vanadium	**1.9**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:20	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:20	1
Iron	**13000**		100	20	ug/L		01/27/23 06:03	01/27/23 14:20	1
Manganese	**5800**		10	1.3	ug/L		01/27/23 06:03	01/27/23 14:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:52	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 13:47	01/31/23 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**840**		50	50	mg/L			01/30/23 13:36	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-AMW2

Date Collected: 01/23/23 13:20
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-7

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**54**		5.0	3.2	ug/L			02/02/23 19:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*02/02/23 19:44*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 01:40	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 01:40	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 01:40	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 01:40	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 01:40	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 01:40	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 01:40	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 01:40	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 01:40	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 01:40	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 01:40	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 01:40	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 01:40	1
Acetone	**11**	**J**	20	10	ug/L			02/03/23 01:40	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 01:40	1
Benzene	**0.87**	**J *-**	1.0	0.15	ug/L			02/03/23 01:40	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 01:40	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 01:40	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 01:40	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 01:40	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 01:40	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 01:40	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 01:40	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 01:40	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 01:40	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 01:40	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 01:40	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 01:40	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 01:40	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 01:40	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 01:40	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 01:40	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 01:40	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 01:40	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 01:40	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 01:40	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 01:40	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 01:40	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 01:40	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 01:40	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 01:40	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 01:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 01:40	1

Client Sample ID: 4116-AMW2
Date Collected: 01/23/23 13:20
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 01:40	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 01:40	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 01:40	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 01:40	1
Tetrahydrofuran	**54**		1.0	0.53	ug/L			02/03/23 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*53 - 136*		*02/03/23 01:40*	*1*
Dibromofluoromethane (Surr)	*108*		*67 - 129*		*02/03/23 01:40*	*1*
Toluene-d8 (Surr)	*112*		*59 - 134*		*02/03/23 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73**		0.50	0.20	mg/L			02/16/23 21:57	1
Sulfate	**32**		1.0	0.40	mg/L			02/16/23 21:57	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		01/27/23 06:03	01/27/23 14:28	1
Barium	**210**		10	4.4	ug/L		01/27/23 06:03	01/27/23 14:28	1
Beryllium	<0.30		4.0	0.30	ug/L		01/27/23 06:03	01/27/23 14:28	1
Cadmium	<0.44		5.0	0.44	ug/L		01/27/23 06:03	01/27/23 14:28	1
Chromium	**1.3**	**J**	10	1.1	ug/L		01/27/23 06:03	01/27/23 14:28	1
Cobalt	**9.3**	**J**	10	1.4	ug/L		01/27/23 06:03	01/27/23 14:28	1
Copper	<3.2		20	3.2	ug/L		01/27/23 06:03	01/27/23 14:28	1
Selenium	<10		20	10	ug/L		01/27/23 06:03	01/27/23 14:28	1
Lead	<6.6		10	6.6	ug/L		01/27/23 06:03	01/27/23 14:28	1
Nickel	**5.2**	**J**	40	3.3	ug/L		01/27/23 06:03	01/27/23 14:28	1
Silver	<1.5		10	1.5	ug/L		01/27/23 06:03	01/27/23 14:28	1
Vanadium	**1.3**	**J**	10	1.0	ug/L		01/27/23 06:03	01/27/23 14:28	1
Zinc	<8.7		20	8.7	ug/L		01/27/23 06:03	01/27/23 14:28	1
Iron	**2600**		100	20	ug/L		01/27/23 06:03	01/27/23 14:28	1
Manganese	**2700**		10	1.3	ug/L		01/27/23 06:03	01/27/23 14:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:56	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 13:47	01/31/23 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**810**		50	50	mg/L			01/30/23 13:36	1

Client Sample ID: 4116-P3

Date Collected: 01/24/23 09:37
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-1

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:21	1
Barium	**61**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:21	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:21	1
Cadmium	**2.5**	**J**	5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:21	1
Chromium	**4.4**	**J**	10	1.1	ug/L		02/03/23 12:17	02/06/23 12:21	1
Cobalt	**2.3**	**J**	10	1.4	ug/L		02/03/23 12:17	02/06/23 12:21	1
Copper	**8.9**	**J**	20	3.2	ug/L		02/03/23 12:17	02/06/23 12:21	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:21	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:21	1
Nickel	**4.6**	**J**	40	3.3	ug/L		02/03/23 12:17	02/06/23 12:21	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:21	1
Vanadium	**11**		10	1.0	ug/L		02/03/23 12:17	02/06/23 12:21	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:21	1
Iron	**3600**		100	20	ug/L		02/03/23 12:17	02/06/23 12:21	1
Manganese	**390**		10	1.3	ug/L		02/03/23 12:17	02/06/23 12:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.87**	**J F2 F1 B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 11:35	1
Thallium	<0.26	F2	1.0	0.26	ug/L		02/03/23 12:17	02/06/23 11:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		02/03/23 13:06	02/06/23 12:18	1

Client Sample ID: 4116-SW1

Date Collected: 01/24/23 13:31
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-2

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.32		0.50	0.32	ug/L			02/03/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*02/03/23 14:15*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 02:11	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 02:11	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 02:11	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 02:11	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 02:11	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 02:11	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 02:11	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 02:11	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 02:11	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 02:11	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 02:11	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 02:11	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 02:11	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-SW1

Date Collected: 01/24/23 13:31
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		20	10	ug/L			02/03/23 02:11	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 02:11	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 02:11	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 02:11	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 02:11	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 02:11	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 02:11	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 02:11	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 02:11	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 02:11	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 02:11	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 02:11	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 02:11	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 02:11	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 02:11	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 02:11	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 02:11	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 02:11	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 02:11	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 02:11	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 02:11	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 02:11	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 02:11	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 02:11	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 02:11	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 02:11	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 02:11	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 02:11	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 02:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 02:11	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 02:11	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 02:11	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 02:11	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 02:11	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*53 - 136*		*02/03/23 02:11*	*1*
Dibromofluoromethane (Surr)	*113*		*67 - 129*		*02/03/23 02:11*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/03/23 02:11*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:36	1
Barium	**40**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:36	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:36	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:36	1
Chromium	**1.1**	**J**	10	1.1	ug/L		02/03/23 12:17	02/06/23 12:36	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:36	1
Copper	**5.0**	**J**	20	3.2	ug/L		02/03/23 12:17	02/06/23 12:36	1

Client Sample ID: 4116-SW1

Date Collected: 01/24/23 13:31
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-2
Matrix: Water

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:36	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:36	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:36	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:36	1
Vanadium	**3.7**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:36	1
Zinc	**19**	**J**	20	8.7	ug/L		02/03/23 12:17	02/06/23 12:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 11:48	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 11:48	1

Client Sample ID: 4116-SW2

Date Collected: 01/24/23 13:09
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-3
Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**1.4**		0.50	0.32	ug/L			02/03/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*02/03/23 14:42*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 02:43	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 02:43	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 02:43	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 02:43	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 02:43	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 02:43	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 02:43	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 02:43	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 02:43	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 02:43	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 02:43	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 02:43	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 02:43	1
Acetone	<10		20	10	ug/L			02/03/23 02:43	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 02:43	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 02:43	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 02:43	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 02:43	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 02:43	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 02:43	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 02:43	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 02:43	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 02:43	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 02:43	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 02:43	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 02:43	1

Client Sample ID: 4116-SW2
Date Collected: 01/24/23 13:09
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 02:43	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 02:43	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 02:43	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 02:43	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 02:43	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 02:43	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 02:43	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 02:43	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 02:43	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 02:43	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 02:43	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 02:43	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 02:43	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 02:43	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 02:43	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 02:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 02:43	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 02:43	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 02:43	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 02:43	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 02:43	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/03/23 02:43*	*1*
Dibromofluoromethane (Surr)	*111*		*67 - 129*		*02/03/23 02:43*	*1*
Toluene-d8 (Surr)	*111*		*59 - 134*		*02/03/23 02:43*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:39	1
Barium	**43**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:39	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:39	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:39	1
Chromium	<1.1		10	1.1	ug/L		02/03/23 12:17	02/06/23 12:39	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:39	1
Copper	**3.2**	**J**	20	3.2	ug/L		02/03/23 12:17	02/06/23 12:39	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:39	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:39	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:39	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:39	1
Vanadium	<1.0		10	1.0	ug/L		02/03/23 12:17	02/06/23 12:39	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:39	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.61**	**J B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 11:52	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 11:52	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-SW3
Date Collected: 01/24/23 12:53
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-4
Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**1.7**		0.50	0.32	ug/L			02/03/23 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*02/03/23 15:09*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 03:14	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 03:14	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 03:14	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 03:14	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 03:14	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 03:14	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 03:14	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 03:14	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 03:14	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 03:14	1
2-Butanone (MEK)	**10**	**J B *+**	20	10	ug/L			02/03/23 03:14	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 03:14	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 03:14	1
Acetone	**12**	**J**	20	10	ug/L			02/03/23 03:14	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 03:14	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 03:14	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 03:14	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 03:14	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 03:14	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 03:14	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 03:14	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 03:14	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 03:14	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 03:14	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 03:14	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 03:14	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 03:14	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 03:14	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 03:14	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 03:14	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 03:14	1
Methylene Chloride	**0.25**	**J**	1.0	0.23	ug/L			02/03/23 03:14	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 03:14	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 03:14	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 03:14	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 03:14	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 03:14	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 03:14	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 03:14	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 03:14	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 03:14	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 03:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 03:14	1

Client Sample ID: 4116-SW3

Date Collected: 01/24/23 12:53
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 03:14	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 03:14	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 03:14	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 03:14	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/03/23 03:14*	*1*
Dibromofluoromethane (Surr)	*110*		*67 - 129*		*02/03/23 03:14*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/03/23 03:14*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:42	1
Barium	**56**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:42	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:42	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:42	1
Chromium	**2.7**	**J**	10	1.1	ug/L		02/03/23 12:17	02/06/23 12:42	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:42	1
Copper	**5.5**	**J**	20	3.2	ug/L		02/03/23 12:17	02/06/23 12:42	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:42	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:42	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:42	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:42	1
Vanadium	**6.1**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:42	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 11:56	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 11:56	1

Client Sample ID: 4116-SW4

Date Collected: 01/25/23 09:10
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-5
Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.0**		0.50	0.32	ug/L			02/03/23 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*02/03/23 15:36*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 03:45	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 03:45	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 03:45	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 03:45	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 03:45	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 03:45	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-SW4
Date Collected: 01/25/23 09:10
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 03:45	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 03:45	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 03:45	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 03:45	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 03:45	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 03:45	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 03:45	1
Acetone	<10		20	10	ug/L			02/03/23 03:45	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 03:45	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 03:45	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 03:45	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 03:45	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 03:45	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 03:45	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 03:45	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 03:45	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 03:45	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 03:45	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 03:45	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 03:45	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 03:45	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 03:45	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 03:45	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 03:45	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 03:45	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 03:45	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 03:45	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 03:45	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 03:45	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 03:45	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 03:45	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 03:45	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 03:45	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 03:45	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 03:45	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 03:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 03:45	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 03:45	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 03:45	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 03:45	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 03:45	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/03/23 03:45*	*1*
Dibromofluoromethane (Surr)	*112*		*67 - 129*		*02/03/23 03:45*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/03/23 03:45*	*1*

Client Sample ID: 4116-SW4

Date Collected: 01/25/23 09:10
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-5

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:45	1
Barium	**50**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:45	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:45	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:45	1
Chromium	**2.3**	**J**	10	1.1	ug/L		02/03/23 12:17	02/06/23 12:45	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:45	1
Copper	**4.7**	**J**	20	3.2	ug/L		02/03/23 12:17	02/06/23 12:45	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:45	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:45	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:45	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:45	1
Vanadium	**5.3**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:45	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:45	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.40**	**J B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:00	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:00	1

Client Sample ID: 4116-SW5

Date Collected: 01/24/23 12:16
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-6

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**14**		5.0	3.2	ug/L			02/03/23 17:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*02/03/23 17:24*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 04:17	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 04:17	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 04:17	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 04:17	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 04:17	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 04:17	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 04:17	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 04:17	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 04:17	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 04:17	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 04:17	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 04:17	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 04:17	1
Acetone	**12**	**J**	20	10	ug/L			02/03/23 04:17	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 04:17	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 04:17	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 04:17	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 04:17	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 04:17	1

Client Sample ID: 4116-SW5
Date Collected: 01/24/23 12:16
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 04:17	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 04:17	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 04:17	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 04:17	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 04:17	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 04:17	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 04:17	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 04:17	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 04:17	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 04:17	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 04:17	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 04:17	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 04:17	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 04:17	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 04:17	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 04:17	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 04:17	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 04:17	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 04:17	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 04:17	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 04:17	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 04:17	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 04:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 04:17	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 04:17	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 04:17	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 04:17	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 04:17	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/03/23 04:17*	*1*
Dibromofluoromethane (Surr)	*112*		*67 - 129*		*02/03/23 04:17*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/03/23 04:17*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:48	1
Barium	**160**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:48	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:48	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:48	1
Chromium	<1.1		10	1.1	ug/L		02/03/23 12:17	02/06/23 12:48	1
Cobalt	**15**		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:48	1
Copper	<3.2		20	3.2	ug/L		02/03/23 12:17	02/06/23 12:48	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:48	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:48	1
Nickel	**4.5**	**J**	40	3.3	ug/L		02/03/23 12:17	02/06/23 12:48	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:48	1
Vanadium	**2.4**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:48	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:48	1

Client Sample ID: 4116-SW5

Date Collected: 01/24/23 12:16
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-6
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.34**	**J B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:04	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:04	1

Client Sample ID: 4116-SW6

Date Collected: 01/24/23 12:07
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-7
Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.1**		0.50	0.32	ug/L			02/03/23 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*02/03/23 16:03*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 04:48	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 04:48	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 04:48	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 04:48	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 04:48	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 04:48	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 04:48	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 04:48	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 04:48	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 04:48	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 04:48	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 04:48	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 04:48	1
Acetone	**11**	**J**	20	10	ug/L			02/03/23 04:48	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 04:48	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 04:48	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 04:48	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 04:48	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 04:48	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 04:48	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 04:48	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 04:48	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 04:48	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 04:48	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 04:48	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 04:48	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 04:48	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 04:48	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 04:48	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 04:48	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 04:48	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 04:48	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 04:48	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 04:48	1

Client Sample ID: 4116-SW6

Date Collected: 01/24/23 12:07
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 04:48	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 04:48	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 04:48	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 04:48	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 04:48	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 04:48	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 04:48	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 04:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 04:48	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 04:48	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 04:48	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 04:48	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 04:48	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*53 - 136*		*02/03/23 04:48*	*1*
Dibromofluoromethane (Surr)	*113*		*67 - 129*		*02/03/23 04:48*	*1*
Toluene-d8 (Surr)	*113*		*59 - 134*		*02/03/23 04:48*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:51	1
Barium	**54**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:51	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:51	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:51	1
Chromium	**3.2**	**J**	10	1.1	ug/L		02/03/23 12:17	02/06/23 12:51	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:51	1
Copper	**6.0**	**J**	20	3.2	ug/L		02/03/23 12:17	02/06/23 12:51	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:51	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:51	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:51	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:51	1
Vanadium	**7.0**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:51	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.39**	**J B**	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:16	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:16	1

Client Sample ID: 4116-MW3

Date Collected: 01/24/23 09:50
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-8
Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.3**		0.50	0.32	ug/L			02/03/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*02/03/23 16:30*	*1*

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW3
Date Collected: 01/24/23 09:50
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 05:19	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 05:19	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 05:19	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 05:19	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 05:19	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 05:19	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 05:19	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 05:19	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 05:19	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 05:19	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 05:19	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 05:19	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 05:19	1
Acetone	<10		20	10	ug/L			02/03/23 05:19	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 05:19	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 05:19	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 05:19	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 05:19	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 05:19	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 05:19	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 05:19	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 05:19	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 05:19	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 05:19	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 05:19	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 05:19	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 05:19	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 05:19	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 05:19	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 05:19	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 05:19	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 05:19	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 05:19	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 05:19	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 05:19	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 05:19	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 05:19	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 05:19	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 05:19	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 05:19	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 05:19	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 05:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 05:19	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 05:19	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 05:19	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 05:19	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 05:19	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 05:19	1

Client Sample ID: 4116-MW3

Date Collected: 01/24/23 09:50
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*53 - 136*		*02/03/23 05:19*	*1*
Dibromofluoromethane (Surr)	*114*		*67 - 129*		*02/03/23 05:19*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/03/23 05:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		5.0	2.2	mg/L			02/02/23 21:09	1
Sulfate	**9.7**		5.0	2.9	mg/L			02/02/23 21:09	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:54	1
Barium	**51**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:54	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:54	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:54	1
Chromium	**4.8**	**J**	10	1.1	ug/L		02/03/23 12:17	02/06/23 12:54	1
Cobalt	**2.2**	**J**	10	1.4	ug/L		02/03/23 12:17	02/06/23 12:54	1
Copper	<3.2		20	3.2	ug/L		02/03/23 12:17	02/06/23 12:54	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:54	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:54	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:54	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:54	1
Vanadium	**1.4**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:54	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:54	1
Iron	**4700**		100	20	ug/L		02/03/23 12:17	02/06/23 12:54	1
Manganese	**150**		10	1.3	ug/L		02/03/23 12:17	02/06/23 12:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:20	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		02/03/23 13:06	02/06/23 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		50	50	mg/L			01/31/23 10:37	1

Client Sample ID: 4116-MW4S

Date Collected: 01/24/23 12:15
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-9
Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.3**		0.50	0.32	ug/L			02/03/23 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*02/03/23 16:57*	*1*

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW4S

Date Collected: 01/24/23 12:15
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 05:51	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 05:51	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 05:51	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 05:51	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 05:51	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 05:51	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 05:51	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 05:51	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 05:51	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 05:51	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 05:51	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 05:51	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 05:51	1
Acetone	<10		20	10	ug/L			02/03/23 05:51	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 05:51	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/03/23 05:51	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 05:51	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 05:51	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 05:51	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 05:51	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 05:51	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 05:51	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 05:51	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 05:51	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 05:51	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 05:51	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 05:51	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 05:51	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 05:51	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 05:51	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 05:51	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/03/23 05:51	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 05:51	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 05:51	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 05:51	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 05:51	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 05:51	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 05:51	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 05:51	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 05:51	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 05:51	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 05:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 05:51	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 05:51	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 05:51	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 05:51	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 05:51	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 05:51	1

Client Sample ID: 4116-MW4S

Date Collected: 01/24/23 12:15
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-9

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*53 - 136*		*02/03/23 05:51*	*1*
Dibromofluoromethane (Surr)	*112*		*67 - 129*		*02/03/23 05:51*	*1*
Toluene-d8 (Surr)	*112*		*59 - 134*		*02/03/23 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		5.0	2.2	mg/L			02/02/23 21:24	1
Sulfate	**26**		5.0	2.9	mg/L			02/02/23 21:24	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:57	1
Barium	**91**		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:57	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:57	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:57	1
Chromium	<1.1		10	1.1	ug/L		02/03/23 12:17	02/06/23 12:57	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:57	1
Copper	<3.2		20	3.2	ug/L		02/03/23 12:17	02/06/23 12:57	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:57	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:57	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:57	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:57	1
Vanadium	**1.4**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 12:57	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:57	1
Iron	**810**		100	20	ug/L		02/03/23 12:17	02/06/23 12:57	1
Manganese	**33**		10	1.3	ug/L		02/03/23 12:17	02/06/23 12:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:24	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		02/03/23 13:06	02/06/23 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**840**		50	50	mg/L			01/31/23 10:37	1

Client Sample ID: 4116-MW7S

Date Collected: 01/24/23 11:01
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-10

Matrix: Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**23**		5.0	3.2	ug/L			02/03/23 17:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*02/03/23 17:52*	*10*

Client Sample ID: 4116-MW7S
Date Collected: 01/24/23 11:01
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/03/23 06:22	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/03/23 06:22	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/03/23 06:22	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/03/23 06:22	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/03/23 06:22	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 06:22	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/03/23 06:22	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/03/23 06:22	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/03/23 06:22	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/03/23 06:22	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/03/23 06:22	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/03/23 06:22	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/03/23 06:22	1
Acetone	<10		20	10	ug/L			02/03/23 06:22	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/03/23 06:22	1
Benzene	**1.2**	**H**	1.0	0.15	ug/L			02/16/23 03:15	1
Bromoform	<0.22		1.0	0.22	ug/L			02/03/23 06:22	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/03/23 06:22	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/03/23 06:22	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/03/23 06:22	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/03/23 06:22	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/03/23 06:22	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/03/23 06:22	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/03/23 06:22	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 06:22	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/03/23 06:22	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/03/23 06:22	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/03/23 06:22	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/03/23 06:22	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/03/23 06:22	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/03/23 06:22	1
Methylene Chloride	**0.58**	**J**	1.0	0.23	ug/L			02/03/23 06:22	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/03/23 06:22	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/03/23 06:22	1
Toluene	<0.14		1.0	0.14	ug/L			02/03/23 06:22	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/03/23 06:22	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/03/23 06:22	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/03/23 06:22	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/03/23 06:22	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/03/23 06:22	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/03/23 06:22	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/03/23 06:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 06:22	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/03/23 06:22	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/03/23 06:22	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/03/23 06:22	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/03/23 06:22	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/03/23 06:22	1

Client Sample ID: 4116-MW7S

Lab Sample ID: 752-1993-10

Date Collected: 01/24/23 11:01

Matrix: Water

Date Received: 01/25/23 14:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*53 - 136*		*02/03/23 06:22*	*1*
4-Bromofluorobenzene (Surr)	*126*		*53 - 136*		*02/16/23 03:15*	*1*
Dibromofluoromethane (Surr)	*110*		*67 - 129*		*02/03/23 06:22*	*1*
Dibromofluoromethane (Surr)	*104*		*67 - 129*		*02/16/23 03:15*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/03/23 06:22*	*1*
Toluene-d8 (Surr)	*123*		*59 - 134*		*02/16/23 03:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82**		5.0	2.2	mg/L			02/02/23 21:38	1
Sulfate	**46**		5.0	2.9	mg/L			02/02/23 21:38	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 13:00	1
Barium	**790**		10	4.4	ug/L		02/03/23 12:17	02/06/23 13:00	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 13:00	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 13:00	1
Chromium	<1.1		10	1.1	ug/L		02/03/23 12:17	02/06/23 13:00	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 13:00	1
Copper	<3.2		20	3.2	ug/L		02/03/23 12:17	02/06/23 13:00	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 13:00	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 13:00	1
Nickel	**20**	**J**	40	3.3	ug/L		02/03/23 12:17	02/06/23 13:00	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 13:00	1
Vanadium	**9.3**	**J**	10	1.0	ug/L		02/03/23 12:17	02/06/23 13:00	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 13:00	1
Iron	**65**	**J**	100	20	ug/L		02/03/23 12:17	02/06/23 13:00	1
Manganese	**180**		10	1.3	ug/L		02/03/23 12:17	02/06/23 13:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:29	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		02/03/23 13:06	02/06/23 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**140**		50	50	mg/L			01/31/23 10:37	1

Client Sample ID: 4116-Field Blank

Lab Sample ID: 752-1993-11

Date Collected: 01/24/23 14:02

Matrix: Water

Date Received: 01/25/23 14:45

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.32		0.50	0.32	ug/L			02/03/23 13:48	1

Client Sample ID: 4116-Field Blank

Date Collected: 01/24/23 14:02
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-11

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*02/03/23 13:48*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/02/23 22:01	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/02/23 22:01	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/02/23 22:01	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/02/23 22:01	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/02/23 22:01	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 22:01	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/02/23 22:01	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 22:01	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/02/23 22:01	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/02/23 22:01	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/02/23 22:01	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/02/23 22:01	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/02/23 22:01	1
Acetone	**21**		20	10	ug/L			02/02/23 22:01	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/02/23 22:01	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/02/23 22:01	1
Bromoform	<0.22		1.0	0.22	ug/L			02/02/23 22:01	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/02/23 22:01	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/02/23 22:01	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/02/23 22:01	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/02/23 22:01	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/02/23 22:01	1
Chloroform	<0.18	*-	1.0	0.18	ug/L			02/02/23 22:01	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/02/23 22:01	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 22:01	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/02/23 22:01	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/02/23 22:01	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/02/23 22:01	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/02/23 22:01	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/02/23 22:01	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/02/23 22:01	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/02/23 22:01	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/02/23 22:01	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/02/23 22:01	1
Toluene	<0.14		1.0	0.14	ug/L			02/02/23 22:01	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 22:01	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/02/23 22:01	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/02/23 22:01	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 22:01	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/02/23 22:01	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/02/23 22:01	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/02/23 22:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/02/23 22:01	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/02/23 22:01	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/02/23 22:01	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/02/23 22:01	1

Client Sample ID: 4116-Field Blank

Lab Sample ID: 752-1993-11

Date Collected: 01/24/23 14:02

Matrix: Water

Date Received: 01/25/23 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/02/23 22:01	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/02/23 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*53 - 136*		*02/02/23 22:01*	*1*
4-Bromofluorobenzene (Surr)	*119*		*53 - 136*		*02/16/23 04:18*	*1*
Dibromofluoromethane (Surr)	*108*		*67 - 129*		*02/02/23 22:01*	*1*
Dibromofluoromethane (Surr)	*104*		*67 - 129*		*02/16/23 04:18*	*1*
Toluene-d8 (Surr)	*110*		*59 - 134*		*02/02/23 22:01*	*1*
Toluene-d8 (Surr)	*120*		*59 - 134*		*02/16/23 04:18*	*1*

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 13:09	1
Barium	<4.4		10	4.4	ug/L		02/03/23 12:17	02/06/23 13:09	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 13:09	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 13:09	1
Chromium	<1.1		10	1.1	ug/L		02/03/23 12:17	02/06/23 13:09	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 13:09	1
Copper	<3.2		20	3.2	ug/L		02/03/23 12:17	02/06/23 13:09	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 13:09	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 13:09	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 13:09	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 13:09	1
Vanadium	<1.0		10	1.0	ug/L		02/03/23 12:17	02/06/23 13:09	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 13:09	1
Iron	<20		100	20	ug/L		02/03/23 12:17	02/06/23 13:09	1
Manganese	<1.3		10	1.3	ug/L		02/03/23 12:17	02/06/23 13:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.34		5.0	0.34	ug/L		02/03/23 12:17	02/06/23 12:33	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 12:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		02/03/23 13:06	02/06/23 12:49	1

Client Sample ID: 4116-Trip Blank

Lab Sample ID: 752-1993-12

Date Collected: 01/24/23 09:50

Matrix: Water

Date Received: 01/25/23 14:45

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.32		0.50	0.32	ug/L			02/03/23 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*02/03/23 13:20*	*1*

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-Trip Blank

Date Collected: 01/24/23 09:50
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-12

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/02/23 21:30	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/02/23 21:30	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/02/23 21:30	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/02/23 21:30	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/02/23 21:30	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 21:30	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/02/23 21:30	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 21:30	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/02/23 21:30	1
1,2-Dichloropropane	<0.10	*-	1.0	0.10	ug/L			02/02/23 21:30	1
2-Butanone (MEK)	<10	*+	20	10	ug/L			02/02/23 21:30	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/02/23 21:30	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/02/23 21:30	1
Acetone	<10		20	10	ug/L			02/02/23 21:30	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/02/23 21:30	1
Benzene	<0.15	*-	1.0	0.15	ug/L			02/02/23 21:30	1
Bromoform	<0.22		1.0	0.22	ug/L			02/02/23 21:30	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/02/23 21:30	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/02/23 21:30	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/02/23 21:30	1
Chlorobenzene	<0.17	*-	1.0	0.17	ug/L			02/02/23 21:30	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/02/23 21:30	1
Chloroform	**0.33**	**J *-**	1.0	0.18	ug/L			02/02/23 21:30	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/02/23 21:30	1
cis-1,2-Dichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 21:30	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/02/23 21:30	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/02/23 21:30	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/02/23 21:30	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/02/23 21:30	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/02/23 21:30	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/02/23 21:30	1
Methylene Chloride	**0.26**	**J**	1.0	0.23	ug/L			02/02/23 21:30	1
Styrene	<0.11	*-	1.0	0.11	ug/L			02/02/23 21:30	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/02/23 21:30	1
Toluene	<0.14		1.0	0.14	ug/L			02/02/23 21:30	1
trans-1,2-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 21:30	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/02/23 21:30	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/02/23 21:30	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 21:30	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/02/23 21:30	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/02/23 21:30	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/02/23 21:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/02/23 21:30	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/02/23 21:30	1
1,4-Dichlorobenzene	<0.19	*-	1.0	0.19	ug/L			02/02/23 21:30	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/02/23 21:30	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/02/23 21:30	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/02/23 21:30	1

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-Trip Blank
Date Collected: 01/24/23 09:50
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		53 - 136		02/02/23 21:30	1
Dibromofluoromethane (Surr)	109		67 - 129		02/02/23 21:30	1
Toluene-d8 (Surr)	107		59 - 134		02/02/23 21:30	1

Surrogate Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (53-136)	DBFM (67-129)	TOL (59-134)
752-1612-1	4116-MW1	104	109	110
752-1612-2	4116-MW2	130	94	120
752-1612-2	4116-MW2	106	108	107
752-1612-3	4116-MW5	104	109	109
752-1612-4	4116-MW6	134	95	121
752-1612-4	4116-MW6	108	104	108
752-1612-5	4116-MW8	137 S1+	100	125
752-1612-5	4116-MW8	107	110	112
752-1612-6	4116-AMW1	102	108	111
752-1612-7	4116-AMW2	108	108	112
752-1993-2	4116-SW1	105	113	110
752-1993-3	4116-SW2	104	111	111
752-1993-4	4116-SW3	104	110	110
752-1993-5	4116-SW4	104	112	110
752-1993-6	4116-SW5	104	112	110
752-1993-7	4116-SW6	106	113	113
752-1993-8	4116-MW3	102	114	110
752-1993-9	4116-MW4S	103	112	112
752-1993-10	4116-MW7S	126	104	123
752-1993-10	4116-MW7S	105	110	110
752-1993-11	4116-Field Blank	119	104	120
752-1993-11	4116-Field Blank	104	108	110
752-1993-12	4116-Trip Blank	107	109	107
LCS 752-1195/5	Lab Control Sample	123	99	122
LCS 752-879/3	Lab Control Sample	108	100	108
LCSD 752-1195/6	Lab Control Sample Dup	117	97	120
LCSD 752-879/4	Lab Control Sample Dup	107	100	107
MB 752-1195/8	Method Blank	122	107	124
MB 752-879/6	Method Blank	107	102	106
MRL 752-1195/4	Lab Control Sample	289	222	285
MRL 752-879/2	Lab Control Sample	107	103	107

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (70-130)
752-1612-1	4116-MW1	105
752-1612-2	4116-MW2	105
752-1612-3	4116-MW5	100
752-1612-4	4116-MW6	106
752-1612-5	4116-MW8	94
752-1612-6	4116-AMW1	102
752-1612-7	4116-AMW2	99

Surrogate Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Method: 8260D SIM 14D - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (70-130)
752-1993-2	4116-SW1	104
752-1993-3	4116-SW2	120
752-1993-4	4116-SW3	118
752-1993-5	4116-SW4	99
752-1993-6	4116-SW5	102
752-1993-7	4116-SW6	107
752-1993-8	4116-MW3	99
752-1993-9	4116-MW4S	97
752-1993-10	4116-MW7S	103
752-1993-11	4116-Field Blank	97
752-1993-12	4116-Trip Blank	108
LCS 680-761663/3	Lab Control Sample	116
LCS 680-761808/3	Lab Control Sample	89
MB 680-761663/5	Method Blank	102
MB 680-761808/5	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 752-1195/8
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/15/23 20:27	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/15/23 20:27	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/15/23 20:27	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/15/23 20:27	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/15/23 20:27	1
1,1-Dichloroethene	0.220	J	1.0	0.21	ug/L			02/15/23 20:27	1
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/15/23 20:27	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/15/23 20:27	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/15/23 20:27	1
1,2-Dichloropropane	<0.10		1.0	0.10	ug/L			02/15/23 20:27	1
2-Butanone (MEK)	<10		20	10	ug/L			02/15/23 20:27	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/15/23 20:27	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/15/23 20:27	1
Acetone	<10		20	10	ug/L			02/15/23 20:27	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/15/23 20:27	1
Benzene	<0.15		1.0	0.15	ug/L			02/15/23 20:27	1
Bromoform	<0.22		1.0	0.22	ug/L			02/15/23 20:27	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/15/23 20:27	1
Carbon disulfide	2.12	J	5.0	1.5	ug/L			02/15/23 20:27	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/15/23 20:27	1
Chlorobenzene	<0.17		1.0	0.17	ug/L			02/15/23 20:27	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/15/23 20:27	1
Chloroform	<0.18		1.0	0.18	ug/L			02/15/23 20:27	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/15/23 20:27	1
cis-1,2-Dichloroethene	0.164	J	1.0	0.15	ug/L			02/15/23 20:27	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/15/23 20:27	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/15/23 20:27	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/15/23 20:27	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/15/23 20:27	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/15/23 20:27	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/15/23 20:27	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/15/23 20:27	1
Styrene	<0.11		1.0	0.11	ug/L			02/15/23 20:27	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/15/23 20:27	1
Toluene	<0.14		1.0	0.14	ug/L			02/15/23 20:27	1
trans-1,2-Dichloroethene	0.563	J	1.0	0.21	ug/L			02/15/23 20:27	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/15/23 20:27	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/15/23 20:27	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/15/23 20:27	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/15/23 20:27	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/15/23 20:27	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/15/23 20:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/15/23 20:27	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/15/23 20:27	1
1,4-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/15/23 20:27	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/15/23 20:27	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/15/23 20:27	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/15/23 20:27	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 752-1195/8
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*122*		*53 - 136*		*02/15/23 20:27*	*1*
Dibromofluoromethane (Surr)	*107*		*67 - 129*		*02/15/23 20:27*	*1*
Toluene-d8 (Surr)	*124*		*59 - 134*		*02/15/23 20:27*	*1*

Lab Sample ID: LCS 752-1195/5
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.0		ug/L		90	71 - 120
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	72 - 143
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		96	59 - 133
1,1,2-Trichloroethane	20.0	18.3		ug/L		92	67 - 120
1,1-Dichloroethane	20.0	18.7		ug/L		93	79 - 141
1,1-Dichloroethene	20.0	18.2		ug/L		91	75 - 133
1,2-Dibromo-3-Chloropropane	20.0	18.8		ug/L		94	37 - 157
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	76 - 120
1,2-Dichloroethane	20.0	18.7		ug/L		94	72 - 151
1,2-Dichloropropane	20.0	18.4		ug/L		92	78 - 125
2-Butanone (MEK)	40.0	45.0		ug/L		113	36 - 135
2-Hexanone	40.0	35.0		ug/L		88	36 - 191
4-Methyl-2-pentanone (MIBK)	40.0	35.7		ug/L		89	56 - 166
Acetone	40.0	38.8		ug/L		97	10 - 158
Acrylonitrile	60.0	53.7		ug/L		90	10 - 200
Benzene	20.0	17.9		ug/L		89	80 - 134
Bromoform	20.0	19.2		ug/L		96	73 - 120
Bromomethane	20.0	16.6		ug/L		83	38 - 189
Carbon disulfide	20.0	24.5		ug/L		122	65 - 173
Carbon tetrachloride	20.0	20.0		ug/L		100	68 - 142
Chlorobenzene	20.0	18.4		ug/L		92	80 - 120
Chloroethane	20.0	13.9		ug/L		69	45 - 213
Chloroform	20.0	17.6		ug/L		88	78 - 138
Chloromethane	20.0	18.2		ug/L		91	56 - 171
cis-1,2-Dichloroethene	20.0	16.7		ug/L		84	69 - 120
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	63 - 125
Bromochloromethane	20.0	19.0		ug/L		95	74 - 128
Dibromochloromethane	20.0	18.8		ug/L		94	73 - 120
Bromodichloromethane	20.0	19.1		ug/L		96	72 - 129
Ethylbenzene	20.0	17.6		ug/L		88	68 - 124
Iodomethane	20.0	19.9		ug/L		99	34 - 140
Methylene Chloride	20.0	18.9		ug/L		95	68 - 128
Styrene	20.0	17.0		ug/L		85	73 - 120
Tetrachloroethene	20.0	19.9		ug/L		100	40 - 181
Toluene	20.0	20.7		ug/L		103	71 - 120
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	75 - 139
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	65 - 152
trans-1,4-Dichloro-2-butene	20.0	22.0		ug/L		110	10 - 142
Trichloroethene	20.0	18.5		ug/L		93	74 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 752-1195/5
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl acetate	20.0	21.4		ug/L		107	10 - 198
Vinyl chloride	20.0	16.0		ug/L		80	49 - 150
Xylenes, Total	60.0	55.4		ug/L		92	77 - 121
Dibromomethane	20.0	19.0		ug/L		95	76 - 124
1,2-Dibromoethane	20.0	20.2		ug/L		101	66 - 123
1,4-Dichlorobenzene	20.0	17.5		ug/L		88	76 - 122
Trichlorofluoromethane	20.0	15.8		ug/L		79	68 - 183
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	69 - 127
Tetrahydrofuran	20.0	20.3		ug/L		101	0 - 200

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*53 - 136*
Dibromofluoromethane (Surr)	*99*		*67 - 129*
Toluene-d8 (Surr)	*122*		*59 - 134*

Lab Sample ID: LCSD 752-1195/6
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		92	71 - 120	2	16
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	72 - 143	3	18
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		97	59 - 133	0	16
1,1,2-Trichloroethane	20.0	18.4		ug/L		92	67 - 120	0	18
1,1-Dichloroethane	20.0	19.2		ug/L		96	79 - 141	3	19
1,1-Dichloroethene	20.0	19.9		ug/L		100	75 - 133	9	20
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	37 - 157	1	18
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	76 - 120	3	16
1,2-Dichloroethane	20.0	19.4		ug/L		97	72 - 151	4	16
1,2-Dichloropropane	20.0	19.4		ug/L		97	78 - 125	5	19
2-Butanone (MEK)	40.0	47.6		ug/L		119	36 - 135	6	19
2-Hexanone	40.0	34.8		ug/L		87	36 - 191	1	17
4-Methyl-2-pentanone (MIBK)	40.0	36.9		ug/L		92	56 - 166	3	19
Acetone	40.0	40.3		ug/L		101	10 - 158	4	78
Acrylonitrile	60.0	55.4		ug/L		92	10 - 200	3	36
Benzene	20.0	18.7		ug/L		94	80 - 134	5	17
Bromoform	20.0	19.2		ug/L		96	73 - 120	0	44
Bromomethane	20.0	18.2		ug/L		91	38 - 189	9	27
Carbon disulfide	20.0	23.9		ug/L		120	65 - 173	2	38
Carbon tetrachloride	20.0	20.1		ug/L		101	68 - 142	1	17
Chlorobenzene	20.0	19.0		ug/L		95	80 - 120	4	16
Chloroethane	20.0	15.6		ug/L		78	45 - 213	12	26
Chloroform	20.0	18.3		ug/L		91	78 - 138	4	17
Chloromethane	20.0	19.0		ug/L		95	56 - 171	4	28
cis-1,2-Dichloroethene	20.0	17.9		ug/L		89	69 - 120	7	18
cis-1,3-Dichloropropene	20.0	20.2		ug/L		101	63 - 125	4	17
Bromochloromethane	20.0	19.4		ug/L		97	74 - 128	2	18
Dibromochloromethane	20.0	18.2		ug/L		91	73 - 120	3	16

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 752-1195/6
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromodichloromethane	20.0	20.0		ug/L		100	72 - 129	4	16
Ethylbenzene	20.0	18.5		ug/L		93	68 - 124	5	16
Iodomethane	20.0	19.9		ug/L		100	34 - 140	0	15
Methylene Chloride	20.0	19.3		ug/L		97	68 - 128	2	17
Styrene	20.0	17.9		ug/L		90	73 - 120	5	23
Tetrachloroethene	20.0	19.5		ug/L		98	40 - 181	2	26
Toluene	20.0	20.8		ug/L		104	71 - 120	1	17
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	75 - 139	0	19
trans-1,3-Dichloropropene	20.0	22.2		ug/L		111	65 - 152	4	16
trans-1,4-Dichloro-2-butene	20.0	21.7		ug/L		108	10 - 142	2	28
Trichloroethene	20.0	18.9		ug/L		95	74 - 120	2	22
Vinyl acetate	20.0	22.8		ug/L		114	10 - 198	6	21
Vinyl chloride	20.0	16.5		ug/L		83	49 - 150	3	27
Xylenes, Total	60.0	57.6		ug/L		96	77 - 121	4	16
Dibromomethane	20.0	20.0		ug/L		100	76 - 124	5	15
1,2-Dibromoethane	20.0	19.5		ug/L		98	66 - 123	3	15
1,4-Dichlorobenzene	20.0	18.9		ug/L		95	76 - 122	8	16
Trichlorofluoromethane	20.0	18.2		ug/L		91	68 - 183	14	22
1,2,3-Trichloropropane	20.0	19.1		ug/L		96	69 - 127	3	17
Tetrahydrofuran	20.0	20.1		ug/L		100	0 - 200	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*53 - 136*
Dibromofluoromethane (Surr)	*97*		*67 - 129*
Toluene-d8 (Surr)	*120*		*59 - 134*

Lab Sample ID: MRL 752-1195/4
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	1.00	1.21		ug/L		121	
1,1,1-Trichloroethane	1.00	0.963	J	ug/L		96	
1,1,2,2-Tetrachloroethane	1.00	1.24		ug/L		124	
1,1,2-Trichloroethane	1.00	1.11		ug/L		111	
1,1-Dichloroethane	1.00	1.06		ug/L		106	
1,1-Dichloroethene	1.00	1.70		ug/L		170	
1,2-Dibromo-3-Chloropropane	1.00	0.965	J	ug/L		96	
1,2-Dichlorobenzene	1.00	1.60		ug/L		160	
1,2-Dichloroethane	1.00	1.36		ug/L		136	
1,2-Dichloropropane	1.00	1.27		ug/L		127	
2-Butanone (MEK)	2.00	17.4	J	ug/L		871	
2-Hexanone	2.00	4.76	J	ug/L		238	
4-Methyl-2-pentanone (MIBK)	2.00	4.51	J	ug/L		225	
Acetone	2.00	10.5	J	ug/L		524	
Acrylonitrile	5.00	6.08	J	ug/L		122	
Benzene	1.00	1.09		ug/L		109	
Bromoform	1.00	0.914	J	ug/L		91	

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MRL 752-1195/4
Matrix: Water
Analysis Batch: 1195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	1.00	1.51		ug/L		151	
Carbon disulfide	2.00	13.5		ug/L		676	
Carbon tetrachloride	1.00	1.05		ug/L		105	
Chlorobenzene	1.00	1.46		ug/L		146	
Chloroethane	1.00	1.41		ug/L		141	
Chloroform	1.00	0.849	J	ug/L		85	
Chloromethane	1.00	2.49		ug/L		249	
cis-1,2-Dichloroethene	1.00	1.72		ug/L		172	
cis-1,3-Dichloropropene	1.00	1.28		ug/L		128	
Bromochloromethane	1.00	1.73		ug/L		173	
Dibromochloromethane	1.00	1.20		ug/L		120	
Bromodichloromethane	1.00	1.15		ug/L		115	
Ethylbenzene	1.00	1.14		ug/L		114	
Iodomethane	2.00	3.46	J	ug/L		173	
Methylene Chloride	1.00	2.14		ug/L		214	
Styrene	1.00	1.55		ug/L		155	
Tetrachloroethene	1.00	1.45		ug/L		145	
Toluene	1.00	1.61		ug/L		161	
trans-1,2-Dichloroethene	1.00	3.80		ug/L		380	
trans-1,3-Dichloropropene	1.00	1.68		ug/L		168	
trans-1,4-Dichloro-2-butene	1.00	1.21		ug/L		121	
Trichloroethene	1.00	1.85		ug/L		185	
Vinyl acetate	2.00	4.67	J	ug/L		233	
Vinyl chloride	1.00	2.67		ug/L		267	
Xylenes, Total	3.00	3.28		ug/L		109	
Dibromomethane	1.00	1.70		ug/L		170	
1,2-Dibromoethane	1.00	1.34		ug/L		134	
1,4-Dichlorobenzene	1.00	1.74		ug/L		174	
Trichlorofluoromethane	1.00	0.819	J	ug/L		82	
1,2,3-Trichloropropane	1.00	1.28		ug/L		128	
Tetrahydrofuran	1.00	1.53		ug/L		153	

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*289*		*53 - 136*
Dibromofluoromethane (Surr)	*222*		*67 - 129*
Toluene-d8 (Surr)	*285*		*59 - 134*

Lab Sample ID: MB 752-879/6
Matrix: Water
Analysis Batch: 879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.17		1.0	0.17	ug/L			02/02/23 20:59	1
1,1,1-Trichloroethane	<0.12		1.0	0.12	ug/L			02/02/23 20:59	1
1,1,2,2-Tetrachloroethane	<0.28		1.0	0.28	ug/L			02/02/23 20:59	1
1,1,2-Trichloroethane	<0.14		1.0	0.14	ug/L			02/02/23 20:59	1
1,1-Dichloroethane	<0.13		1.0	0.13	ug/L			02/02/23 20:59	1
1,1-Dichloroethene	<0.21		1.0	0.21	ug/L			02/02/23 20:59	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 752-879/6
Matrix: Water
Analysis Batch: 879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.48		1.0	0.48	ug/L			02/02/23 20:59	1
1,2-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 20:59	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			02/02/23 20:59	1
1,2-Dichloropropane	<0.10		1.0	0.10	ug/L			02/02/23 20:59	1
2-Butanone (MEK)	10.8	J	20	10	ug/L			02/02/23 20:59	1
2-Hexanone	<0.88		5.0	0.88	ug/L			02/02/23 20:59	1
4-Methyl-2-pentanone (MIBK)	<1.1		5.0	1.1	ug/L			02/02/23 20:59	1
Acetone	<10		20	10	ug/L			02/02/23 20:59	1
Acrylonitrile	<3.5		10	3.5	ug/L			02/02/23 20:59	1
Benzene	<0.15		1.0	0.15	ug/L			02/02/23 20:59	1
Bromoform	<0.22		1.0	0.22	ug/L			02/02/23 20:59	1
Bromomethane	<0.14		1.0	0.14	ug/L			02/02/23 20:59	1
Carbon disulfide	<1.5		5.0	1.5	ug/L			02/02/23 20:59	1
Carbon tetrachloride	<0.17		1.0	0.17	ug/L			02/02/23 20:59	1
Chlorobenzene	<0.17		1.0	0.17	ug/L			02/02/23 20:59	1
Chloroethane	<0.23		1.0	0.23	ug/L			02/02/23 20:59	1
Chloroform	<0.18		1.0	0.18	ug/L			02/02/23 20:59	1
Chloromethane	<0.13		1.0	0.13	ug/L			02/02/23 20:59	1
cis-1,2-Dichloroethene	0.194	J	1.0	0.15	ug/L			02/02/23 20:59	1
cis-1,3-Dichloropropene	<0.20		1.0	0.20	ug/L			02/02/23 20:59	1
Bromochloromethane	<0.48		1.0	0.48	ug/L			02/02/23 20:59	1
Dibromochloromethane	<0.17		1.0	0.17	ug/L			02/02/23 20:59	1
Bromodichloromethane	<0.17		1.0	0.17	ug/L			02/02/23 20:59	1
Ethylbenzene	<0.13		1.0	0.13	ug/L			02/02/23 20:59	1
Iodomethane	<1.7		5.0	1.7	ug/L			02/02/23 20:59	1
Methylene Chloride	<0.23		1.0	0.23	ug/L			02/02/23 20:59	1
Styrene	<0.11		1.0	0.11	ug/L			02/02/23 20:59	1
Tetrachloroethene	<0.17		1.0	0.17	ug/L			02/02/23 20:59	1
Toluene	<0.14		1.0	0.14	ug/L			02/02/23 20:59	1
trans-1,2-Dichloroethene	0.506	J	1.0	0.21	ug/L			02/02/23 20:59	1
trans-1,3-Dichloropropene	<0.15		1.0	0.15	ug/L			02/02/23 20:59	1
trans-1,4-Dichloro-2-butene	<0.70		1.0	0.70	ug/L			02/02/23 20:59	1
Trichloroethene	<0.15		1.0	0.15	ug/L			02/02/23 20:59	1
Vinyl acetate	<0.95		5.0	0.95	ug/L			02/02/23 20:59	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			02/02/23 20:59	1
Xylenes, Total	<0.45		3.0	0.45	ug/L			02/02/23 20:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/02/23 20:59	1
1,2-Dibromoethane	<0.66		1.0	0.66	ug/L			02/02/23 20:59	1
1,4-Dichlorobenzene	<0.19		1.0	0.19	ug/L			02/02/23 20:59	1
Trichlorofluoromethane	<0.24		1.0	0.24	ug/L			02/02/23 20:59	1
1,2,3-Trichloropropane	<0.49		1.0	0.49	ug/L			02/02/23 20:59	1
Tetrahydrofuran	<0.53		1.0	0.53	ug/L			02/02/23 20:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*53 - 136*		*02/02/23 20:59*	*1*
Dibromofluoromethane (Surr)	*102*		*67 - 129*		*02/02/23 20:59*	*1*
Toluene-d8 (Surr)	*106*		*59 - 134*		*02/02/23 20:59*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 752-879/3
Matrix: Water
Analysis Batch: 879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	15.0		ug/L		75	71 - 120
1,1,1-Trichloroethane	20.0	15.8		ug/L		79	72 - 143
1,1,2,2-Tetrachloroethane	20.0	17.3		ug/L		86	59 - 133
1,1,2-Trichloroethane	20.0	15.1		ug/L		76	67 - 120
1,1-Dichloroethane	20.0	16.3		ug/L		81	79 - 141
1,1-Dichloroethene	20.0	17.7		ug/L		88	75 - 133
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	37 - 157
1,2-Dichlorobenzene	20.0	15.9		ug/L		79	76 - 120
1,2-Dichloroethane	20.0	15.7		ug/L		78	72 - 151
1,2-Dichloropropane	20.0	15.0	*-	ug/L		75	78 - 125
2-Butanone (MEK)	40.0	58.3	*+	ug/L		146	36 - 135
2-Hexanone	40.0	39.2		ug/L		98	36 - 191
4-Methyl-2-pentanone (MIBK)	40.0	43.4		ug/L		109	56 - 166
Acetone	40.0	54.1		ug/L		135	10 - 158
Acrylonitrile	60.0	64.4		ug/L		107	10 - 200
Benzene	20.0	15.5	*-	ug/L		78	80 - 134
Bromoform	20.0	16.9		ug/L		85	73 - 120
Bromomethane	20.0	16.2		ug/L		81	38 - 189
Carbon disulfide	20.0	20.1		ug/L		101	65 - 173
Carbon tetrachloride	20.0	16.4		ug/L		82	68 - 142
Chlorobenzene	20.0	15.2	*-	ug/L		76	80 - 120
Chloroethane	20.0	13.6		ug/L		68	45 - 213
Chloroform	20.0	15.4	*-	ug/L		77	78 - 138
Chloromethane	20.0	16.4		ug/L		82	56 - 171
cis-1,2-Dichloroethene	20.0	15.8		ug/L		79	69 - 120
cis-1,3-Dichloropropene	20.0	16.1		ug/L		81	63 - 125
Bromochloromethane	20.0	15.6		ug/L		78	74 - 128
Dibromochloromethane	20.0	15.6		ug/L		78	73 - 120
Bromodichloromethane	20.0	15.8		ug/L		79	72 - 129
Ethylbenzene	20.0	14.8		ug/L		74	68 - 124
Iodomethane	20.0	15.4		ug/L		77	34 - 140
Methylene Chloride	20.0	16.9		ug/L		84	68 - 128
Styrene	20.0	13.1	*-	ug/L		66	73 - 120
Tetrachloroethene	20.0	15.6		ug/L		78	40 - 181
Toluene	20.0	16.7		ug/L		83	71 - 120
trans-1,2-Dichloroethene	20.0	16.0		ug/L		80	75 - 139
trans-1,3-Dichloropropene	20.0	17.7		ug/L		89	65 - 152
trans-1,4-Dichloro-2-butene	20.0	19.6		ug/L		98	10 - 142
Trichloroethene	20.0	15.1		ug/L		76	74 - 120
Vinyl acetate	20.0	22.6		ug/L		113	10 - 198
Vinyl chloride	20.0	16.1		ug/L		80	49 - 150
Xylenes, Total	60.0	46.1		ug/L		77	77 - 121
Dibromomethane	20.0	15.9		ug/L		79	76 - 124
1,2-Dibromoethane	20.0	16.4		ug/L		82	66 - 123
1,4-Dichlorobenzene	20.0	15.0	*-	ug/L		75	76 - 122
Trichlorofluoromethane	20.0	15.2		ug/L		76	68 - 183
1,2,3-Trichloropropane	20.0	16.9		ug/L		84	69 - 127
Tetrahydrofuran	20.0	24.2		ug/L		121	0 - 200

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 752-879/3
Matrix: Water
Analysis Batch: 879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		53 - 136
Dibromofluoromethane (Surr)	100		67 - 129
Toluene-d8 (Surr)	108		59 - 134

Lab Sample ID: LCSD 752-879/4
Matrix: Water
Analysis Batch: 879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	15.1		ug/L		76	71 - 120	1	16
1,1,1-Trichloroethane			20.0	15.9		ug/L		80	72 - 143	1	18
1,1,2,2-Tetrachloroethane			20.0	17.1		ug/L		86	59 - 133	1	16
1,1,2-Trichloroethane			20.0	16.3		ug/L		81	67 - 120	7	18
1,1-Dichloroethane			20.0	16.6		ug/L		83	79 - 141	2	19
1,1-Dichloroethene			20.0	17.6		ug/L		88	75 - 133	0	20
1,2-Dibromo-3-Chloropropane			20.0	18.5		ug/L		92	37 - 157	3	18
1,2-Dichlorobenzene			20.0	16.0		ug/L		80	76 - 120	1	16
1,2-Dichloroethane			20.0	15.8		ug/L		79	72 - 151	1	16
1,2-Dichloropropane			20.0	15.1	*-	ug/L		75	78 - 125	0	19
2-Butanone (MEK)			40.0	56.8	*+	ug/L		142	36 - 135	3	19
2-Hexanone			40.0	39.9		ug/L		100	36 - 191	2	17
4-Methyl-2-pentanone (MIBK)			40.0	44.2		ug/L		110	56 - 166	2	19
Acetone			40.0	45.3		ug/L		113	10 - 158	18	78
Acrylonitrile			60.0	65.8		ug/L		110	10 - 200	2	36
Benzene			20.0	15.5	*-	ug/L		78	80 - 134	0	17
Bromoform			20.0	16.8		ug/L		84	73 - 120	1	44
Bromomethane			20.0	16.6		ug/L		83	38 - 189	2	27
Carbon disulfide			20.0	19.0		ug/L		95	65 - 173	6	38
Carbon tetrachloride			20.0	16.0		ug/L		80	68 - 142	2	17
Chlorobenzene			20.0	15.7	*-	ug/L		79	80 - 120	3	16
Chloroethane			20.0	13.2		ug/L		66	45 - 213	3	26
Chloroform			20.0	15.5	*-	ug/L		77	78 - 138	1	17
Chloromethane			20.0	16.9		ug/L		84	56 - 171	3	28
cis-1,2-Dichloroethene			20.0	15.8		ug/L		79	69 - 120	0	18
cis-1,3-Dichloropropene			20.0	16.3		ug/L		82	63 - 125	1	17
Bromochloromethane			20.0	16.5		ug/L		82	74 - 128	5	18
Dibromochloromethane			20.0	16.0		ug/L		80	73 - 120	2	16
Bromodichloromethane			20.0	16.2		ug/L		81	72 - 129	3	16
Ethylbenzene			20.0	15.4		ug/L		77	68 - 124	4	16
Iodomethane			20.0	17.3		ug/L		87	34 - 140	12	15
Methylene Chloride			20.0	17.4		ug/L		87	68 - 128	3	17
Styrene			20.0	13.4	*-	ug/L		67	73 - 120	2	23
Tetrachloroethene			20.0	16.5		ug/L		82	40 - 181	6	26
Toluene			20.0	16.9		ug/L		84	71 - 120	1	17
trans-1,2-Dichloroethene			20.0	16.1		ug/L		81	75 - 139	0	19
trans-1,3-Dichloropropene			20.0	18.8		ug/L		94	65 - 152	6	16
trans-1,4-Dichloro-2-butene			20.0	19.3		ug/L		96	10 - 142	2	28
Trichloroethene			20.0	15.6		ug/L		78	74 - 120	3	22

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 752-879/4
Matrix: Water
Analysis Batch: 879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl acetate			20.0	23.6		ug/L		118	10 - 198	4	21
Vinyl chloride			20.0	16.0		ug/L		80	49 - 150	0	27
Xylenes, Total			60.0	48.0		ug/L		80	77 - 121	4	16
Dibromomethane			20.0	16.4		ug/L		82	76 - 124	3	15
1,2-Dibromoethane			20.0	16.7		ug/L		84	66 - 123	2	15
1,4-Dichlorobenzene			20.0	15.4		ug/L		77	76 - 122	2	16
Trichlorofluoromethane			20.0	14.9		ug/L		74	68 - 183	2	22
1,2,3-Trichloropropane			20.0	17.0		ug/L		85	69 - 127	1	17
Tetrahydrofuran			20.0	22.0		ug/L		110	0 - 200	10	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*53 - 136*
Dibromofluoromethane (Surr)	*100*		*67 - 129*
Toluene-d8 (Surr)	*107*		*59 - 134*

Lab Sample ID: MRL 752-879/2
Matrix: Water
Analysis Batch: 879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane			1.00	0.926	J	ug/L		93			
1,1,1-Trichloroethane			1.00	0.807	J	ug/L		81			
1,1,2,2-Tetrachloroethane			1.00	1.07		ug/L		107			
1,1,2-Trichloroethane			1.00	1.12		ug/L		112			
1,1-Dichloroethane			1.00	0.945	J	ug/L		95			
1,1-Dichloroethene			1.00	1.60		ug/L		160			
1,2-Dibromo-3-Chloropropane			1.00	1.12		ug/L		112			
1,2-Dichlorobenzene			1.00	1.32		ug/L		132			
1,2-Dichloroethane			1.00	1.17		ug/L		117			
1,2-Dichloropropane			1.00	1.01		ug/L		101			
2-Butanone (MEK)			2.00	10.2	J	ug/L		508			
2-Hexanone			2.00	5.04		ug/L		252			
4-Methyl-2-pentanone (MIBK)			2.00	2.29	J	ug/L		115			
Acetone			2.00	<10		ug/L		444			
Acrylonitrile			5.00	7.74	J	ug/L		155			
Benzene			1.00	1.03		ug/L		103			
Bromoform			1.00	1.03		ug/L		103			
Bromomethane			1.00	1.33		ug/L		133			
Carbon disulfide			2.00	11.1		ug/L		556			
Carbon tetrachloride			1.00	0.761	J	ug/L		76			
Chlorobenzene			1.00	1.26		ug/L		126			
Chloroethane			1.00	1.31		ug/L		131			
Chloroform			1.00	1.05		ug/L		105			
Chloromethane			1.00	1.11		ug/L		111			
cis-1,2-Dichloroethene			1.00	1.64		ug/L		164			
cis-1,3-Dichloropropene			1.00	1.23		ug/L		123			
Bromochloromethane			1.00	1.60		ug/L		160			
Dibromochloromethane			1.00	0.988	J	ug/L		99			

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MRL 752-879/2
Matrix: Water
Analysis Batch: 879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	1.00	0.912	J	ug/L		91	
Ethylbenzene	1.00	1.03		ug/L		103	
Iodomethane	2.00	3.20	J	ug/L		160	
Methylene Chloride	1.00	1.69		ug/L		169	
Styrene	1.00	1.53		ug/L		153	
Tetrachloroethene	1.00	1.18		ug/L		118	
Toluene	1.00	1.27		ug/L		127	
trans-1,2-Dichloroethene	1.00	3.35		ug/L		335	
trans-1,3-Dichloropropene	1.00	1.25		ug/L		125	
trans-1,4-Dichloro-2-butene	1.00	1.13		ug/L		113	
Trichloroethene	1.00	1.62		ug/L		162	
Vinyl acetate	2.00	3.66	J	ug/L		183	
Vinyl chloride	1.00	2.89		ug/L		289	
Xylenes, Total	3.00	2.79	J	ug/L		93	
Dibromomethane	1.00	1.48		ug/L		148	
1,2-Dibromoethane	1.00	1.11		ug/L		111	
1,4-Dichlorobenzene	1.00	1.60		ug/L		160	
Trichlorofluoromethane	1.00	0.718	J	ug/L		72	
1,2,3-Trichloropropane	1.00	4.16		ug/L		416	
Tetrahydrofuran	1.00	1.59		ug/L		159	

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*53 - 136*
Dibromofluoromethane (Surr)	*103*		*67 - 129*
Toluene-d8 (Surr)	*107*		*59 - 134*

Method: 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-761663/5
Matrix: Water
Analysis Batch: 761663

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.32		0.50	0.32	ug/L			02/02/23 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*02/02/23 11:35*	*1*

Lab Sample ID: LCS 680-761663/3
Matrix: Water
Analysis Batch: 761663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10.0	10.2		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*

Method: 8260D SIM 14D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-761808/5
Matrix: Water
Analysis Batch: 761808

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.32		0.50	0.32	ug/L			02/03/23 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*02/03/23 11:33*	*1*

Lab Sample ID: LCS 680-761808/3
Matrix: Water
Analysis Batch: 761808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10.0	9.39		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-763712/33
Matrix: Water
Analysis Batch: 763712

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		0.50	0.20	mg/L			02/16/23 17:34	1
Sulfate	<0.40		1.0	0.40	mg/L			02/16/23 17:34	1

Lab Sample ID: LCS 680-763712/34
Matrix: Water
Analysis Batch: 763712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.5		mg/L		105	90 - 110
Sulfate	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 680-763712/35
Matrix: Water
Analysis Batch: 763712

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.6		mg/L		106	90 - 110	0	15
Sulfate	10.0	10.2		mg/L		102	90 - 110	1	15

Lab Sample ID: 752-1612-6 MS
Matrix: Water
Analysis Batch: 763712

Client Sample ID: 4116-AMW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	72		10.0	81.9	4	mg/L		94	80 - 120
Sulfate	46		10.0	56.2	4	mg/L		101	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 752-1612-6 MSD
Matrix: Water
Analysis Batch: 763712

Client Sample ID: 4116-AMW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	72		10.0	81.8	4	mg/L		94	80 - 120	0	15
Sulfate	46		10.0	56.0	4	mg/L		99	80 - 120	0	15

Lab Sample ID: MB 752-885/21
Matrix: Water
Analysis Batch: 885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.2		5.0	2.2	mg/L			02/02/23 16:48	1
Sulfate	<2.9		5.0	2.9	mg/L			02/02/23 16:48	1

Lab Sample ID: MB 752-885/4
Matrix: Water
Analysis Batch: 885

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.2		5.0	2.2	mg/L			02/02/23 12:42	1
Sulfate	<2.9		5.0	2.9	mg/L			02/02/23 12:42	1

Lab Sample ID: LCS 752-885/22
Matrix: Water
Analysis Batch: 885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.4		mg/L		95	90 - 110
Sulfate	50.0	48.1		mg/L		96	90 - 110

Lab Sample ID: MRL 752-885/3
Matrix: Water
Analysis Batch: 885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	5.01		mg/L		100	
Sulfate	5.00	5.60		mg/L		112	

Method: 6010D - Metals (ICP)

Lab Sample ID: 752-1612-1 MS
Matrix: Water
Analysis Batch: 760952

Client Sample ID: 4116-MW1
Prep Type: Total Recoverable
Prep Batch: 760798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<6.4		100	83.9		ug/L		84	75 - 125
Barium	33		100	120		ug/L		87	75 - 125
Beryllium	<0.30		50.0	43.8		ug/L		88	75 - 125
Cadmium	<0.44		50.0	42.1		ug/L		84	75 - 125
Chromium	<1.1		100	88.3		ug/L		88	75 - 125
Cobalt	<1.4		50.0	43.1		ug/L		86	75 - 125
Copper	<3.2		100	98.0		ug/L		98	75 - 125
Selenium	<10		100	84.3		ug/L		84	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 752-1612-1 MS
Matrix: Water
Analysis Batch: 760952

Client Sample ID: 4116-MW1
Prep Type: Total Recoverable
Prep Batch: 760798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<6.6		505	415		ug/L		82	75 - 125
Nickel	3.7	J	100	92.0		ug/L		88	75 - 125
Silver	<1.5		50.0	43.0		ug/L		86	75 - 125
Vanadium	1.6	J	100	90.1		ug/L		89	75 - 125
Zinc	<8.7		100	88.8		ug/L		89	75 - 125
Iron	<20		5000	4480		ug/L		90	75 - 125
Manganese	4.7	J	400	363		ug/L		89	75 - 125

Lab Sample ID: 752-1612-1 MSD
Matrix: Water
Analysis Batch: 760952

Client Sample ID: 4116-MW1
Prep Type: Total Recoverable
Prep Batch: 760798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<6.4		100	81.4		ug/L		81	75 - 125	3	20
Barium	33		100	120		ug/L		87	75 - 125	0	20
Beryllium	<0.30		50.0	43.7		ug/L		87	75 - 125	0	20
Cadmium	<0.44		50.0	41.9		ug/L		84	75 - 125	0	20
Chromium	<1.1		100	88.3		ug/L		88	75 - 125	0	20
Cobalt	<1.4		50.0	42.8		ug/L		86	75 - 125	1	20
Copper	<3.2		100	93.0		ug/L		93	75 - 125	5	20
Selenium	<10		100	80.8		ug/L		81	75 - 125	4	20
Lead	<6.6		505	410		ug/L		81	75 - 125	1	20
Nickel	3.7	J	100	91.7		ug/L		88	75 - 125	0	20
Silver	<1.5		50.0	42.5		ug/L		85	75 - 125	1	20
Vanadium	1.6	J	100	91.9		ug/L		90	75 - 125	2	20
Zinc	<8.7		100	88.7		ug/L		89	75 - 125	0	20
Iron	<20		5000	4520		ug/L		90	75 - 125	1	20
Manganese	4.7	J	400	361		ug/L		89	75 - 125	0	20

Lab Sample ID: MB 680-761890/1-A
Matrix: Water
Analysis Batch: 762150

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 761890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.4		20	6.4	ug/L		02/03/23 12:17	02/06/23 12:15	1
Barium	<4.4		10	4.4	ug/L		02/03/23 12:17	02/06/23 12:15	1
Beryllium	<0.30		4.0	0.30	ug/L		02/03/23 12:17	02/06/23 12:15	1
Cadmium	<0.44		5.0	0.44	ug/L		02/03/23 12:17	02/06/23 12:15	1
Chromium	<1.1		10	1.1	ug/L		02/03/23 12:17	02/06/23 12:15	1
Cobalt	<1.4		10	1.4	ug/L		02/03/23 12:17	02/06/23 12:15	1
Copper	<3.2		20	3.2	ug/L		02/03/23 12:17	02/06/23 12:15	1
Selenium	<10		20	10	ug/L		02/03/23 12:17	02/06/23 12:15	1
Lead	<6.6		10	6.6	ug/L		02/03/23 12:17	02/06/23 12:15	1
Nickel	<3.3		40	3.3	ug/L		02/03/23 12:17	02/06/23 12:15	1
Silver	<1.5		10	1.5	ug/L		02/03/23 12:17	02/06/23 12:15	1
Vanadium	<1.0		10	1.0	ug/L		02/03/23 12:17	02/06/23 12:15	1
Zinc	<8.7		20	8.7	ug/L		02/03/23 12:17	02/06/23 12:15	1
Iron	<20		100	20	ug/L		02/03/23 12:17	02/06/23 12:15	1
Manganese	<1.3		10	1.3	ug/L		02/03/23 12:17	02/06/23 12:15	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-761890/2-A
Matrix: Water
Analysis Batch: 762150

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 761890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	98.6		ug/L		99	80 - 120
Barium	100	102		ug/L		102	80 - 120
Beryllium	50.0	48.3		ug/L		97	80 - 120
Cadmium	50.0	48.8		ug/L		98	80 - 120
Chromium	100	103		ug/L		103	80 - 120
Cobalt	50.0	49.3		ug/L		99	80 - 120
Copper	100	104		ug/L		104	80 - 120
Selenium	100	91.8		ug/L		92	80 - 120
Lead	505	498		ug/L		99	80 - 120
Nickel	100	101		ug/L		101	80 - 120
Silver	50.0	49.6		ug/L		99	80 - 120
Vanadium	100	101		ug/L		101	80 - 120
Zinc	100	97.9		ug/L		98	80 - 120
Iron	5000	5010		ug/L		100	80 - 120
Manganese	400	405		ug/L		101	80 - 120

Lab Sample ID: 752-1993-1 MS
Matrix: Water
Analysis Batch: 762150

Client Sample ID: 4116-P3
Prep Type: Total Recoverable
Prep Batch: 761890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<6.4		100	95.2		ug/L		95	75 - 125
Barium	61		100	159		ug/L		98	75 - 125
Beryllium	<0.30		50.0	47.9		ug/L		96	75 - 125
Cadmium	2.5	J	50.0	49.8		ug/L		95	75 - 125
Chromium	4.4	J	100	104		ug/L		100	75 - 125
Cobalt	2.3	J	50.0	50.3		ug/L		96	75 - 125
Copper	8.9	J	100	110		ug/L		101	75 - 125
Selenium	<10		100	93.0		ug/L		93	75 - 125
Lead	<6.6		505	484		ug/L		96	75 - 125
Nickel	4.6	J	100	102		ug/L		97	75 - 125
Silver	<1.5		50.0	48.5		ug/L		97	75 - 125
Vanadium	11		100	109		ug/L		98	75 - 125
Zinc	<8.7		100	99.1		ug/L		99	75 - 125
Iron	3600		5000	8490		ug/L		99	75 - 125
Manganese	390		400	778		ug/L		96	75 - 125

Lab Sample ID: 752-1993-1 MSD
Matrix: Water
Analysis Batch: 762150

Client Sample ID: 4116-P3
Prep Type: Total Recoverable
Prep Batch: 761890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<6.4		100	99.9		ug/L		100	75 - 125	5	20
Barium	61		100	164		ug/L		103	75 - 125	3	20
Beryllium	<0.30		50.0	48.7		ug/L		97	75 - 125	2	20
Cadmium	2.5	J	50.0	51.4		ug/L		98	75 - 125	3	20
Chromium	4.4	J	100	107		ug/L		102	75 - 125	3	20
Cobalt	2.3	J	50.0	51.6		ug/L		99	75 - 125	3	20
Copper	8.9	J	100	113		ug/L		104	75 - 125	3	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 752-1993-1 MSD
Matrix: Water
Analysis Batch: 762150

Client Sample ID: 4116-P3
Prep Type: Total Recoverable
Prep Batch: 761890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	<10		100	94.3		ug/L		94	75 - 125	1	20
Lead	<6.6		505	498		ug/L		99	75 - 125	3	20
Nickel	4.6	J	100	104		ug/L		100	75 - 125	2	20
Silver	<1.5		50.0	49.4		ug/L		99	75 - 125	2	20
Vanadium	11		100	112		ug/L		100	75 - 125	2	20
Zinc	<8.7		100	103		ug/L		103	75 - 125	4	20
Iron	3600		5000	8700		ug/L		103	75 - 125	2	20
Manganese	390		400	806		ug/L		103	75 - 125	4	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-760799/1-A
Matrix: Water
Analysis Batch: 761081

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 760799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.355	J	5.0	0.34	ug/L		01/27/23 06:03	01/27/23 16:08	1
Thallium	<0.26		1.0	0.26	ug/L		01/27/23 06:03	01/27/23 16:08	1

Lab Sample ID: LCS 680-760799/2-A
Matrix: Water
Analysis Batch: 761081

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 760799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	43.1		ug/L		86	80 - 120
Thallium	50.0	40.8		ug/L		82	80 - 120

Lab Sample ID: 752-1612-1 MS
Matrix: Water
Analysis Batch: 761081

Client Sample ID: 4116-MW1
Prep Type: Total Recoverable
Prep Batch: 760799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.36	J B	50.0	56.5		ug/L		112	75 - 125
Thallium	<0.26		50.0	52.6		ug/L		105	75 - 125

Lab Sample ID: 752-1612-1 MSD
Matrix: Water
Analysis Batch: 761081

Client Sample ID: 4116-MW1
Prep Type: Total Recoverable
Prep Batch: 760799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.36	J B	50.0	46.7		ug/L		93	75 - 125	19	20
Thallium	<0.26		50.0	43.1		ug/L		86	75 - 125	20	20

Lab Sample ID: MB 680-761891/1-A
Matrix: Water
Analysis Batch: 762158

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 761891

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.14	J	5.0	0.34	ug/L		02/03/23 12:17	02/06/23 11:27	1
Thallium	<0.26		1.0	0.26	ug/L		02/03/23 12:17	02/06/23 11:27	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-761891/2-A
Matrix: Water
Analysis Batch: 762158

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 761891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	53.1		ug/L		106	80 - 120
Thallium	50.0	49.1		ug/L		98	80 - 120

Lab Sample ID: 752-1993-1 MS
Matrix: Water
Analysis Batch: 762158

Client Sample ID: 4116-P3
Prep Type: Total Recoverable
Prep Batch: 761891

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.87	J F2 F1 B	50.0	51.2		ug/L		101	75 - 125
Thallium	<0.26	F2	50.0	47.5		ug/L		95	75 - 125

Lab Sample ID: 752-1993-1 MSD
Matrix: Water
Analysis Batch: 762158

Client Sample ID: 4116-P3
Prep Type: Total Recoverable
Prep Batch: 761891

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.87	J F2 F1 B	50.0	65.8	F1 F2	ug/L		130	75 - 125	25	20
Thallium	<0.26	F2	50.0	62.1	F2	ug/L		124	75 - 125	27	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-761187/1-A
Matrix: Water
Analysis Batch: 761371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 761187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 12:33	01/31/23 09:44	1

Lab Sample ID: LCS 680-761187/2-A
Matrix: Water
Analysis Batch: 761371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 761187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.47		ug/L		99	80 - 120

Lab Sample ID: MB 680-761202/1-A
Matrix: Water
Analysis Batch: 761371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 761202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		01/30/23 13:47	01/31/23 10:55	1

Lab Sample ID: LCS 680-761202/2-A
Matrix: Water
Analysis Batch: 761371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 761202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.46		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 752-1612-3 MS
Matrix: Water
Analysis Batch: 761371

Client Sample ID: 4116-MW5
Prep Type: Total/NA
Prep Batch: 761202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.080		1.00	0.971		ug/L		97	80 - 120

Lab Sample ID: 752-1612-3 MSD
Matrix: Water
Analysis Batch: 761371

Client Sample ID: 4116-MW5
Prep Type: Total/NA
Prep Batch: 761202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.080		1.00	0.957		ug/L		96	80 - 120	1	20

Lab Sample ID: MB 680-761902/1-A
Matrix: Water
Analysis Batch: 762145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 761902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		02/03/23 13:06	02/06/23 11:58	1

Lab Sample ID: LCS 680-761902/2-A
Matrix: Water
Analysis Batch: 762145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 761902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.57		ug/L		103	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 752-714/1
Matrix: Water
Analysis Batch: 714

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<50		50	50	mg/L			01/30/23 13:36	1

Lab Sample ID: LCS 752-714/2
Matrix: Water
Analysis Batch: 714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	998		mg/L		100	90 - 110

Lab Sample ID: 752-1612-1 DU
Matrix: Water
Analysis Batch: 714

Client Sample ID: 4116-MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	410		414		mg/L		1	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 752-1612-2 DU
Matrix: Water
Analysis Batch: 714

Client Sample ID: 4116-MW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200			1270		mg/L				4	10

Lab Sample ID: MB 752-726/1
Matrix: Water
Analysis Batch: 726

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<50		50	50	mg/L			01/31/23 10:37	1

Lab Sample ID: LCS 752-726/2
Matrix: Water
Analysis Batch: 726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1040		mg/L		104	90 - 110		

GC/MS VOA

Analysis Batch: 879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total/NA	Water	8260D	
752-1612-2	4116-MW2	Total/NA	Water	8260D	
752-1612-3	4116-MW5	Total/NA	Water	8260D	
752-1612-4	4116-MW6	Total/NA	Water	8260D	
752-1612-5	4116-MW8	Total/NA	Water	8260D	
752-1612-6	4116-AMW1	Total/NA	Water	8260D	
752-1612-7	4116-AMW2	Total/NA	Water	8260D	
752-1993-2	4116-SW1	Total/NA	Water	8260D	
752-1993-3	4116-SW2	Total/NA	Water	8260D	
752-1993-4	4116-SW3	Total/NA	Water	8260D	
752-1993-5	4116-SW4	Total/NA	Water	8260D	
752-1993-6	4116-SW5	Total/NA	Water	8260D	
752-1993-7	4116-SW6	Total/NA	Water	8260D	
752-1993-8	4116-MW3	Total/NA	Water	8260D	
752-1993-9	4116-MW4S	Total/NA	Water	8260D	
752-1993-10	4116-MW7S	Total/NA	Water	8260D	
752-1993-11	4116-Field Blank	Total/NA	Water	8260D	
752-1993-12	4116-Trip Blank	Total/NA	Water	8260D	
MB 752-879/6	Method Blank	Total/NA	Water	8260D	
LCS 752-879/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 752-879/4	Lab Control Sample Dup	Total/NA	Water	8260D	
MRL 752-879/2	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 1195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-2	4116-MW2	Total/NA	Water	8260D	
752-1612-4	4116-MW6	Total/NA	Water	8260D	
752-1612-5	4116-MW8	Total/NA	Water	8260D	
752-1993-10	4116-MW7S	Total/NA	Water	8260D	
752-1993-11	4116-Field Blank	Total/NA	Water	8260D	
MB 752-1195/8	Method Blank	Total/NA	Water	8260D	
LCS 752-1195/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 752-1195/6	Lab Control Sample Dup	Total/NA	Water	8260D	
MRL 752-1195/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 761663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total/NA	Water	8260D SIM 14D	
752-1612-2	4116-MW2	Total/NA	Water	8260D SIM 14D	
752-1612-3	4116-MW5	Total/NA	Water	8260D SIM 14D	
752-1612-4	4116-MW6	Total/NA	Water	8260D SIM 14D	
752-1612-5	4116-MW8	Total/NA	Water	8260D SIM 14D	
752-1612-6	4116-AMW1	Total/NA	Water	8260D SIM 14D	
752-1612-7	4116-AMW2	Total/NA	Water	8260D SIM 14D	
MB 680-761663/5	Method Blank	Total/NA	Water	8260D SIM 14D	
LCS 680-761663/3	Lab Control Sample	Total/NA	Water	8260D SIM 14D	

Analysis Batch: 761808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-2	4116-SW1	Total/NA	Water	8260D SIM 14D	
752-1993-3	4116-SW2	Total/NA	Water	8260D SIM 14D	

GC/MS VOA (Continued)

Analysis Batch: 761808 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-4	4116-SW3	Total/NA	Water	8260D SIM 14D	
752-1993-5	4116-SW4	Total/NA	Water	8260D SIM 14D	
752-1993-6	4116-SW5	Total/NA	Water	8260D SIM 14D	
752-1993-7	4116-SW6	Total/NA	Water	8260D SIM 14D	
752-1993-8	4116-MW3	Total/NA	Water	8260D SIM 14D	
752-1993-9	4116-MW4S	Total/NA	Water	8260D SIM 14D	
752-1993-10	4116-MW7S	Total/NA	Water	8260D SIM 14D	
752-1993-11	4116-Field Blank	Total/NA	Water	8260D SIM 14D	
752-1993-12	4116-Trip Blank	Total/NA	Water	8260D SIM 14D	
MB 680-761808/5	Method Blank	Total/NA	Water	8260D SIM 14D	
LCS 680-761808/3	Lab Control Sample	Total/NA	Water	8260D SIM 14D	

HPLC/IC

Analysis Batch: 885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-8	4116-MW3	Total/NA	Water	300.0	
752-1993-9	4116-MW4S	Total/NA	Water	300.0	
752-1993-10	4116-MW7S	Total/NA	Water	300.0	
MB 752-885/21	Method Blank	Total/NA	Water	300.0	
MB 752-885/4	Method Blank	Total/NA	Water	300.0	
LCS 752-885/22	Lab Control Sample	Total/NA	Water	300.0	
MRL 752-885/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 763712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total/NA	Water	300.0	
752-1612-2	4116-MW2	Total/NA	Water	300.0	
752-1612-3	4116-MW5	Total/NA	Water	300.0	
752-1612-4	4116-MW6	Total/NA	Water	300.0	
752-1612-5	4116-MW8	Total/NA	Water	300.0	
752-1612-6	4116-AMW1	Total/NA	Water	300.0	
752-1612-7	4116-AMW2	Total/NA	Water	300.0	
MB 680-763712/33	Method Blank	Total/NA	Water	300.0	
LCS 680-763712/34	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-763712/35	Lab Control Sample Dup	Total/NA	Water	300.0	
752-1612-6 MS	4116-AMW1	Total/NA	Water	300.0	
752-1612-6 MSD	4116-AMW1	Total/NA	Water	300.0	

Metals

Prep Batch: 760798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total Recoverable	Water	3005A	
752-1612-2	4116-MW2	Total Recoverable	Water	3005A	
752-1612-3	4116-MW5	Total Recoverable	Water	3005A	
752-1612-4	4116-MW6	Total Recoverable	Water	3005A	
752-1612-5	4116-MW8	Total Recoverable	Water	3005A	
752-1612-6	4116-AMW1	Total Recoverable	Water	3005A	
752-1612-7	4116-AMW2	Total Recoverable	Water	3005A	
752-1612-1 MS	4116-MW1	Total Recoverable	Water	3005A	
752-1612-1 MSD	4116-MW1	Total Recoverable	Water	3005A	

Metals

Prep Batch: 760799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total Recoverable	Water	3005A	
752-1612-2	4116-MW2	Total Recoverable	Water	3005A	
752-1612-3	4116-MW5	Total Recoverable	Water	3005A	
752-1612-4	4116-MW6	Total Recoverable	Water	3005A	
752-1612-5	4116-MW8	Total Recoverable	Water	3005A	
752-1612-6	4116-AMW1	Total Recoverable	Water	3005A	
752-1612-7	4116-AMW2	Total Recoverable	Water	3005A	
MB 680-760799/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-760799/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-1612-1 MS	4116-MW1	Total Recoverable	Water	3005A	
752-1612-1 MSD	4116-MW1	Total Recoverable	Water	3005A	

Analysis Batch: 760952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total Recoverable	Water	6010D	760798
752-1612-2	4116-MW2	Total Recoverable	Water	6010D	760798
752-1612-3	4116-MW5	Total Recoverable	Water	6010D	760798
752-1612-4	4116-MW6	Total Recoverable	Water	6010D	760798
752-1612-5	4116-MW8	Total Recoverable	Water	6010D	760798
752-1612-6	4116-AMW1	Total Recoverable	Water	6010D	760798
752-1612-7	4116-AMW2	Total Recoverable	Water	6010D	760798
752-1612-1 MS	4116-MW1	Total Recoverable	Water	6010D	760798
752-1612-1 MSD	4116-MW1	Total Recoverable	Water	6010D	760798

Analysis Batch: 761081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total Recoverable	Water	6020B	760799
752-1612-2	4116-MW2	Total Recoverable	Water	6020B	760799
752-1612-3	4116-MW5	Total Recoverable	Water	6020B	760799
752-1612-4	4116-MW6	Total Recoverable	Water	6020B	760799
752-1612-5	4116-MW8	Total Recoverable	Water	6020B	760799
752-1612-6	4116-AMW1	Total Recoverable	Water	6020B	760799
752-1612-7	4116-AMW2	Total Recoverable	Water	6020B	760799
MB 680-760799/1-A	Method Blank	Total Recoverable	Water	6020B	760799
LCS 680-760799/2-A	Lab Control Sample	Total Recoverable	Water	6020B	760799
752-1612-1 MS	4116-MW1	Total Recoverable	Water	6020B	760799
752-1612-1 MSD	4116-MW1	Total Recoverable	Water	6020B	760799

Prep Batch: 761187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total/NA	Water	7470A	
752-1612-2	4116-MW2	Total/NA	Water	7470A	
MB 680-761187/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-761187/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 761202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-3	4116-MW5	Total/NA	Water	7470A	
752-1612-4	4116-MW6	Total/NA	Water	7470A	
752-1612-5	4116-MW8	Total/NA	Water	7470A	
752-1612-6	4116-AMW1	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 761202 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-7	4116-AMW2	Total/NA	Water	7470A	
MB 680-761202/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-761202/2-A	Lab Control Sample	Total/NA	Water	7470A	
752-1612-3 MS	4116-MW5	Total/NA	Water	7470A	
752-1612-3 MSD	4116-MW5	Total/NA	Water	7470A	

Analysis Batch: 761217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-5	4116-MW8	Total Recoverable	Water	6010D	760798

Analysis Batch: 761371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total/NA	Water	7470A	761187
752-1612-2	4116-MW2	Total/NA	Water	7470A	761187
752-1612-3	4116-MW5	Total/NA	Water	7470A	761202
752-1612-4	4116-MW6	Total/NA	Water	7470A	761202
752-1612-5	4116-MW8	Total/NA	Water	7470A	761202
752-1612-6	4116-AMW1	Total/NA	Water	7470A	761202
752-1612-7	4116-AMW2	Total/NA	Water	7470A	761202
MB 680-761187/1-A	Method Blank	Total/NA	Water	7470A	761187
MB 680-761202/1-A	Method Blank	Total/NA	Water	7470A	761202
LCS 680-761187/2-A	Lab Control Sample	Total/NA	Water	7470A	761187
LCS 680-761202/2-A	Lab Control Sample	Total/NA	Water	7470A	761202
752-1612-3 MS	4116-MW5	Total/NA	Water	7470A	761202
752-1612-3 MSD	4116-MW5	Total/NA	Water	7470A	761202

Prep Batch: 761890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-1	4116-P3	Total Recoverable	Water	3005A	
752-1993-2	4116-SW1	Total Recoverable	Water	3005A	
752-1993-3	4116-SW2	Total Recoverable	Water	3005A	
752-1993-4	4116-SW3	Total Recoverable	Water	3005A	
752-1993-5	4116-SW4	Total Recoverable	Water	3005A	
752-1993-6	4116-SW5	Total Recoverable	Water	3005A	
752-1993-7	4116-SW6	Total Recoverable	Water	3005A	
752-1993-8	4116-MW3	Total Recoverable	Water	3005A	
752-1993-9	4116-MW4S	Total Recoverable	Water	3005A	
752-1993-10	4116-MW7S	Total Recoverable	Water	3005A	
752-1993-11	4116-Field Blank	Total Recoverable	Water	3005A	
MB 680-761890/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-761890/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-1993-1 MS	4116-P3	Total Recoverable	Water	3005A	
752-1993-1 MSD	4116-P3	Total Recoverable	Water	3005A	

Prep Batch: 761891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-1	4116-P3	Total Recoverable	Water	3005A	
752-1993-2	4116-SW1	Total Recoverable	Water	3005A	
752-1993-3	4116-SW2	Total Recoverable	Water	3005A	
752-1993-4	4116-SW3	Total Recoverable	Water	3005A	
752-1993-5	4116-SW4	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 761891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-6	4116-SW5	Total Recoverable	Water	3005A	
752-1993-7	4116-SW6	Total Recoverable	Water	3005A	
752-1993-8	4116-MW3	Total Recoverable	Water	3005A	
752-1993-9	4116-MW4S	Total Recoverable	Water	3005A	
752-1993-10	4116-MW7S	Total Recoverable	Water	3005A	
752-1993-11	4116-Field Blank	Total Recoverable	Water	3005A	
MB 680-761891/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-761891/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-1993-1 MS	4116-P3	Total Recoverable	Water	3005A	
752-1993-1 MSD	4116-P3	Total Recoverable	Water	3005A	

Prep Batch: 761902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-1	4116-P3	Total/NA	Water	7470A	
752-1993-8	4116-MW3	Total/NA	Water	7470A	
752-1993-9	4116-MW4S	Total/NA	Water	7470A	
752-1993-10	4116-MW7S	Total/NA	Water	7470A	
752-1993-11	4116-Field Blank	Total/NA	Water	7470A	
MB 680-761902/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-761902/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 762145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-1	4116-P3	Total/NA	Water	7470A	761902
752-1993-8	4116-MW3	Total/NA	Water	7470A	761902
752-1993-9	4116-MW4S	Total/NA	Water	7470A	761902
752-1993-10	4116-MW7S	Total/NA	Water	7470A	761902
752-1993-11	4116-Field Blank	Total/NA	Water	7470A	761902
MB 680-761902/1-A	Method Blank	Total/NA	Water	7470A	761902
LCS 680-761902/2-A	Lab Control Sample	Total/NA	Water	7470A	761902

Analysis Batch: 762150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-1	4116-P3	Total Recoverable	Water	6010D	761890
752-1993-2	4116-SW1	Total Recoverable	Water	6010D	761890
752-1993-3	4116-SW2	Total Recoverable	Water	6010D	761890
752-1993-4	4116-SW3	Total Recoverable	Water	6010D	761890
752-1993-5	4116-SW4	Total Recoverable	Water	6010D	761890
752-1993-6	4116-SW5	Total Recoverable	Water	6010D	761890
752-1993-7	4116-SW6	Total Recoverable	Water	6010D	761890
752-1993-8	4116-MW3	Total Recoverable	Water	6010D	761890
752-1993-9	4116-MW4S	Total Recoverable	Water	6010D	761890
752-1993-10	4116-MW7S	Total Recoverable	Water	6010D	761890
752-1993-11	4116-Field Blank	Total Recoverable	Water	6010D	761890
MB 680-761890/1-A	Method Blank	Total Recoverable	Water	6010D	761890
LCS 680-761890/2-A	Lab Control Sample	Total Recoverable	Water	6010D	761890
752-1993-1 MS	4116-P3	Total Recoverable	Water	6010D	761890
752-1993-1 MSD	4116-P3	Total Recoverable	Water	6010D	761890

Metals

Analysis Batch: 762158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-1	4116-P3	Total Recoverable	Water	6020B	761891
752-1993-2	4116-SW1	Total Recoverable	Water	6020B	761891
752-1993-3	4116-SW2	Total Recoverable	Water	6020B	761891
752-1993-4	4116-SW3	Total Recoverable	Water	6020B	761891
752-1993-5	4116-SW4	Total Recoverable	Water	6020B	761891
752-1993-6	4116-SW5	Total Recoverable	Water	6020B	761891
752-1993-7	4116-SW6	Total Recoverable	Water	6020B	761891
752-1993-8	4116-MW3	Total Recoverable	Water	6020B	761891
752-1993-9	4116-MW4S	Total Recoverable	Water	6020B	761891
752-1993-10	4116-MW7S	Total Recoverable	Water	6020B	761891
752-1993-11	4116-Field Blank	Total Recoverable	Water	6020B	761891
MB 680-761891/1-A	Method Blank	Total Recoverable	Water	6020B	761891
LCS 680-761891/2-A	Lab Control Sample	Total Recoverable	Water	6020B	761891
752-1993-1 MS	4116-P3	Total Recoverable	Water	6020B	761891
752-1993-1 MSD	4116-P3	Total Recoverable	Water	6020B	761891

General Chemistry

Analysis Batch: 714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1612-1	4116-MW1	Total/NA	Water	SM 2540C	
752-1612-2	4116-MW2	Total/NA	Water	SM 2540C	
752-1612-3	4116-MW5	Total/NA	Water	SM 2540C	
752-1612-4	4116-MW6	Total/NA	Water	SM 2540C	
752-1612-5	4116-MW8	Total/NA	Water	SM 2540C	
752-1612-6	4116-AMW1	Total/NA	Water	SM 2540C	
752-1612-7	4116-AMW2	Total/NA	Water	SM 2540C	
MB 752-714/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 752-714/2	Lab Control Sample	Total/NA	Water	SM 2540C	
752-1612-1 DU	4116-MW1	Total/NA	Water	SM 2540C	
752-1612-2 DU	4116-MW2	Total/NA	Water	SM 2540C	

Analysis Batch: 726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-1993-8	4116-MW3	Total/NA	Water	SM 2540C	
752-1993-9	4116-MW4S	Total/NA	Water	SM 2540C	
752-1993-10	4116-MW7S	Total/NA	Water	SM 2540C	
MB 752-726/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 752-726/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW1

Date Collected: 01/23/23 09:04
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/02/23 22:32
Total/NA	Analysis	8260D SIM 14D		1	761663	SMP	EET SAV	02/02/23 15:12
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 19:46
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:02
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:24
Total/NA	Prep	7470A			761187	JKL	EET SAV	01/30/23 12:33
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 10:48
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Client Sample ID: 4116-MW2

Date Collected: 01/23/23 12:35
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/02/23 23:04
Total/NA	Analysis	8260D		1	1195	RY	EET ESC	02/16/23 01:41
Total/NA	Analysis	8260D SIM 14D		10	761663	SMP	EET SAV	02/02/23 17:55
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 19:59
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:10
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:36
Total/NA	Prep	7470A			761187	JKL	EET SAV	01/30/23 12:33
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 10:50
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Client Sample ID: 4116-MW5

Date Collected: 01/23/23 15:30
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/02/23 23:35
Total/NA	Analysis	8260D SIM 14D		1	761663	SMP	EET SAV	02/02/23 15:40
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 20:12
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:12
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:40
Total/NA	Prep	7470A			761202	JKL	EET SAV	01/30/23 13:47
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 11:01
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Lab Chronicle

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW6

Date Collected: 01/23/23 11:10
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 00:06
Total/NA	Analysis	8260D		1	1195	RY	EET ESC	02/16/23 02:13
Total/NA	Analysis	8260D SIM 14D		10	761663	SMP	EET SAV	02/02/23 18:23
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 20:25
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:15
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:44
Total/NA	Prep	7470A			761202	JKL	EET SAV	01/30/23 13:47
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 11:08
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Client Sample ID: 4116-MW8

Date Collected: 01/23/23 10:23
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 00:38
Total/NA	Analysis	8260D		1	1195	RY	EET ESC	02/16/23 02:44
Total/NA	Analysis	8260D SIM 14D		10	761663	SMP	EET SAV	02/02/23 18:50
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 20:38
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:17
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		10	761217	BCB	EET SAV	01/30/23 14:32
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:48
Total/NA	Prep	7470A			761202	JKL	EET SAV	01/30/23 13:47
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 11:16
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Client Sample ID: 4116-AMW1

Date Collected: 01/23/23 15:00
Date Received: 01/24/23 12:00

Lab Sample ID: 752-1612-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 01:09
Total/NA	Analysis	8260D SIM 14D		10	761663	SMP	EET SAV	02/02/23 19:17
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 21:18
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:20
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:52

Lab Chronicle

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-AMW1

Lab Sample ID: 752-1612-6

Date Collected: 01/23/23 15:00

Matrix: Water

Date Received: 01/24/23 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			761202	JKL	EET SAV	01/30/23 13:47
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 11:18
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Client Sample ID: 4116-AMW2

Lab Sample ID: 752-1612-7

Date Collected: 01/23/23 13:20

Matrix: Water

Date Received: 01/24/23 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 01:40
Total/NA	Analysis	8260D SIM 14D		10	761663	SMP	EET SAV	02/02/23 19:44
Total/NA	Analysis	300.0		1	763712	T1C	EET SAV	02/16/23 21:57
Total Recoverable	Prep	3005A			760798	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6010D		1	760952	BCB	EET SAV	01/27/23 14:28
Total Recoverable	Prep	3005A			760799	RR	EET SAV	01/27/23 06:03
Total Recoverable	Analysis	6020B		1	761081	BJB	EET SAV	01/27/23 16:56
Total/NA	Prep	7470A			761202	JKL	EET SAV	01/30/23 13:47
Total/NA	Analysis	7470A		1	761371	JKL	EET SAV	01/31/23 11:21
Total/NA	Analysis	SM 2540C		1	714	CB	EET ESC	01/30/23 13:36

Client Sample ID: 4116-P3

Lab Sample ID: 752-1993-1

Date Collected: 01/24/23 09:37

Matrix: Water

Date Received: 01/25/23 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:21
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 11:35
Total/NA	Prep	7470A			761902	JKL	EET SAV	02/03/23 13:06
Total/NA	Analysis	7470A		1	762145	JKL	EET SAV	02/06/23 12:18

Client Sample ID: 4116-SW1

Lab Sample ID: 752-1993-2

Date Collected: 01/24/23 13:31

Matrix: Water

Date Received: 01/25/23 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 02:11
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 14:15
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:36
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 11:48

Lab Chronicle

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-SW2

Date Collected: 01/24/23 13:09
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 02:43
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 14:42
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:39
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 11:52

Client Sample ID: 4116-SW3

Date Collected: 01/24/23 12:53
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 03:14
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 15:09
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:42
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 11:56

Client Sample ID: 4116-SW4

Date Collected: 01/25/23 09:10
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 03:45
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 15:36
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:45
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:00

Client Sample ID: 4116-SW5

Date Collected: 01/24/23 12:16
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 04:17
Total/NA	Analysis	8260D SIM 14D		10	761808	SMP	EET SAV	02/03/23 17:24
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:48
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:04

Lab Chronicle

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-SW6

Lab Sample ID: 752-1993-7

Date Collected: 01/24/23 12:07

Matrix: Water

Date Received: 01/25/23 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 04:48
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 16:03
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:51
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:16

Client Sample ID: 4116-MW3

Lab Sample ID: 752-1993-8

Date Collected: 01/24/23 09:50

Matrix: Water

Date Received: 01/25/23 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 05:19
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 16:30
Total/NA	Analysis	300.0		1	885	CB	EET ESC	02/02/23 21:09
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:54
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:20
Total/NA	Prep	7470A			761902	JKL	EET SAV	02/03/23 13:06
Total/NA	Analysis	7470A		1	762145	JKL	EET SAV	02/06/23 12:41
Total/NA	Analysis	SM 2540C		1	726	CB	EET ESC	01/31/23 10:37

Client Sample ID: 4116-MW4S

Lab Sample ID: 752-1993-9

Date Collected: 01/24/23 12:15

Matrix: Water

Date Received: 01/25/23 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 05:51
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 16:57
Total/NA	Analysis	300.0		1	885	CB	EET ESC	02/02/23 21:24
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 12:57
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:24
Total/NA	Prep	7470A			761902	JKL	EET SAV	02/03/23 13:06
Total/NA	Analysis	7470A		1	762145	JKL	EET SAV	02/06/23 12:44
Total/NA	Analysis	SM 2540C		1	726	CB	EET ESC	01/31/23 10:37

Lab Chronicle

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Client Sample ID: 4116-MW7S

Date Collected: 01/24/23 11:01
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/03/23 06:22
Total/NA	Analysis	8260D		1	1195	RY	EET ESC	02/16/23 03:15
Total/NA	Analysis	8260D SIM 14D		10	761808	SMP	EET SAV	02/03/23 17:52
Total/NA	Analysis	300.0		1	885	CB	EET ESC	02/02/23 21:38
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 13:00
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:29
Total/NA	Prep	7470A			761902	JKL	EET SAV	02/03/23 13:06
Total/NA	Analysis	7470A		1	762145	JKL	EET SAV	02/06/23 12:46
Total/NA	Analysis	SM 2540C		1	726	CB	EET ESC	01/31/23 10:37

Client Sample ID: 4116-Field Blank

Date Collected: 01/24/23 14:02
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/02/23 22:01
Total/NA	Analysis	8260D		1	1195	RY	EET ESC	02/16/23 04:18
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 13:48
Total Recoverable	Prep	3005A			761890	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6010D		1	762150	BCB	EET SAV	02/06/23 13:09
Total Recoverable	Prep	3005A			761891	RR	EET SAV	02/03/23 12:17
Total Recoverable	Analysis	6020B		1	762158	BJB	EET SAV	02/06/23 12:33
Total/NA	Prep	7470A			761902	JKL	EET SAV	02/03/23 13:06
Total/NA	Analysis	7470A		1	762145	JKL	EET SAV	02/06/23 12:49

Client Sample ID: 4116-Trip Blank

Date Collected: 01/24/23 09:50
Date Received: 01/25/23 14:45

Lab Sample ID: 752-1993-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	879	RY	EET ESC	02/02/23 21:30
Total/NA	Analysis	8260D SIM 14D		1	761808	SMP	EET SAV	02/03/23 13:20

Laboratory References:

EET ESC = Eurofins Raleigh, 102-A Woodwinds Industrial Court, Cary, NC 27511, TEL (919)677-1669

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Laboratory: Eurofins Raleigh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	591	12-31-23

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	12-31-23

Method Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ESC
8260D SIM 14D	Volatile Organic Compounds (GC/MS)	SW846	EET SAV
300.0	Anions, Ion Chromatography	EPA	EET ESC
300.0	Anions, Ion Chromatography	EPA	EET SAV
6010D	Metals (ICP)	SW846	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET ESC
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
5030C	Purge and Trap	SW846	EET ESC
5030C	Purge and Trap	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ESC = Eurofins Raleigh, 102-A Woodwinds Industrial Court, Cary, NC 27511, TEL (919)677-1669

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: WSP USA Inc
Project/Site: High Point

Job ID: 752-1612-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
752-1612-1	4116-MW1	Water	01/23/23 09:04	01/24/23 12:00
752-1612-2	4116-MW2	Water	01/23/23 12:35	01/24/23 12:00
752-1612-3	4116-MW5	Water	01/23/23 15:30	01/24/23 12:00
752-1612-4	4116-MW6	Water	01/23/23 11:10	01/24/23 12:00
752-1612-5	4116-MW8	Water	01/23/23 10:23	01/24/23 12:00
752-1612-6	4116-AMW1	Water	01/23/23 15:00	01/24/23 12:00
752-1612-7	4116-AMW2	Water	01/23/23 13:20	01/24/23 12:00
752-1993-1	4116-P3	Water	01/24/23 09:37	01/25/23 14:45
752-1993-2	4116-SW1	Water	01/24/23 13:31	01/25/23 14:45
752-1993-3	4116-SW2	Water	01/24/23 13:09	01/25/23 14:45
752-1993-4	4116-SW3	Water	01/24/23 12:53	01/25/23 14:45
752-1993-5	4116-SW4	Water	01/25/23 09:10	01/25/23 14:45
752-1993-6	4116-SW5	Water	01/24/23 12:16	01/25/23 14:45
752-1993-7	4116-SW6	Water	01/24/23 12:07	01/25/23 14:45
752-1993-8	4116-MW3	Water	01/24/23 09:50	01/25/23 14:45
752-1993-9	4116-MW4S	Water	01/24/23 12:15	01/25/23 14:45
752-1993-10	4116-MW7S	Water	01/24/23 11:01	01/25/23 14:45
752-1993-11	4116-Field Blank	Water	01/24/23 14:02	01/25/23 14:45
752-1993-12	4116-Trip Blank	Water	01/24/23 09:50	01/25/23 14:45

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary, NC 27511
Phone: 919-677-1669

Chain of Custody Record

1612

eurofins | Environment Testing

Client Information	Sampler: Nicolas Tejeda-Torres	Lab PM: Gaines, Amanda	Carrier Tracking No(s):	COC No: 752-2560-407 1
Client Contact: Mr George Wegmann	Phone:	E-Mail: amanda.gaines@et.eurofinsus com	State of Origin	Page: Page 1 of 2
Company: Golder Associates Inc	PWSID:			Job #:
Address: 5B Oak Branch Drive	Due Date Requested:			
City: Greensboro	TAT Requested (days):			
State, Zip: NC, 27407	Compliance Project: Δ Yes Δ No			
Phone: Travis.martinez@wsp.com	PO #: Purchase Order not required			
Email: George_Wegmann@golder com	WO #: High Point 2023			
Project Name: High Point/ Event Desc. High Point	Project #: 75200637			
Site: North Carolina	SSOW#:			

Analysis Requested

752-1612 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	8260D_SIM_14DX - 1,4-dioxane	8260D - (MOD) 8260 APX 1 +THF	310.1 - Alkalinity	300_ORGFM_28D - Chloride/Sulfate	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	A	A	N	N	N		
4116-P3				Water										
4116-SW1				Water										
4116-SW2				Water										
4116-SW3				Water										
4116-SW4				Water										
4116-SW5				Water										
4116-SW6				Water										
4116-MW1	1/23/2023	904	G	Water	N	N	X	X	X	X	X	X		
4116-MW2	1/23/2023	1235	G	Water	N	Y	X	X	X	X	X	X		
4116-MW3				Water										
4116-MW4S				Water										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify) level 2 data Report.

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1-24-23 / 0815		DAVID WILDER	1.24.23 8:15	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			DAVID WILDER	1-24-23 12:00	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		02c

Ver 06/08/2021

2/21/2023

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary, NC 27511
Phone 919-677-1669

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Nicolas Tejeda-Torres	Lab PM: Gaines, Amanda	Carrier Tracking No(s):	COC No: 752-2560-407 2
Client Contact: Mr George Wegmann	Phone:	E-Mail: amanda.gaines@et.eurofinsus.com	State of Origin	Page: Page 2 of 2
Company: Golder Associates Inc	PWSID:			Job #:
Address: 5B Oak Branch Drive	Due Date Requested:			
City: Greensboro	TAT Requested (days):			
State, Zip: NC, 27407	Compliance Project: Δ Yes Δ No			
Phone: travis.martinezgolder.com	PO #: Purchase Order not required			
Email: George_Wegmann@golder.com	WO #: High Point 2023			
Project Name: High Point/ Event Desc: High Point	Project #: 75200637			
Site: North Carolina	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	8260D_SIM_14DX - 1,4-dioxane	8260D - (MOD) 8260 APX 1 +THF	310.1 - Alkalinity	300_ORGFM_28D - Chloride/Sulfate	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	A	N	N	N		
4116-MW5	1/23/2023	1530	G	Water	N	N	X	X	X	X	X	X		field filtered was provided Ray 1/24/23
4116-MW6	1/23/2023	1110	G	Water	N	N	X	X	X	X	X	X		
~~4116-MW7S~~				~~Water~~										
4116-MW8	1/23/2023	1023	G	Water	N	N	X	X	X	X	X	X		
4116-AMW1	1/23/2023	1500	G	Water	N	N	X	X	X	X	X	X		
4116-AMW2	1/23/2023	1320	G	Water	N	N	X	X	X	X	X	X		
4116-Field Blank				Water										
4116-Trip Blank	—	—	—	Water										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify): level 2 data Report

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		1-24-23 / 0815		DAVID WILDER	1-24-23 8:15	
2		Date/Time:	Company	Received by: DAVID WILDER	Date/Time: 1-24-23 12:00	Company
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 0.2°C

Ver: 06/08/2021

1993

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary, NC 27511
Phone 919-677-1669

Chain of Custody Record

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752-1993 COC

Client Information	Sampler: Nicolas Tejada - Torres	Lab PM: Gaines, Amanda	Carrier Tracking No(s):	COC No: 752-2560-407 1
Client Contact: Mr George Wegmann	Phone:	E-Mail: amanda gaines@et.eurofinsus com	State of Origin:	Page: Page 1 of 2
Company: Golder Associates Inc	PWSID:			Job #:
Address: 5B Oak Branch Drive	Due Date Requested			
City: Greensboro	TAT Requested (days)			
State, Zip: NC, 27407	Compliance Project: Δ Yes Δ No			
Phone: travis.martinez cwsp.com	PO #: Purchase Order not required			
Email: George_Wegmann@golder com	WO #: High Point 2023			
Project Name: High Point/ Event Desc: High Point	Project #: 75200637			
Site: North Carolina	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	8260D_SIM_14DX - 1,4-dioxane	8260D - (MOD) 8260 APX 1 +THF	310.1 - Alkalinity	300_ORGFM_28D - Chloride/Sulfate	2540C_Calcd - Total Dissolved Solids	NC App I Metals, H2, Mn, Fe							Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	A	N	N	N									
4116-P3	1/24/23	937	G	Water	Y	N							X								Hold Dissolved Metals until Pending TDL analysis
4116-SW1	1/24/23	1331		Water	N	N	X	X	X												
4116-SW2	1/24/23	1309		Water	N	N	X	X	X												
4116-SW3	1/24/23	1253		Water	N	N	X	X	X												
4116-SW4	1/25/23	910		Water	N	N	X	X	X												
4116-SW5	1/24/23	1216		Water	N	N	X	X	X												
4116-SW6	1/24/23	1207		Water	N	N	X	X	X												
4116-MW1				Water																	
4116-MW2				Water																	
4116-MW3	1/24/23	*1450	G	Water			X	X	X	X	X	X									
4116-MW4S	1/24/23	*1215	G	Water			X	X	X	X	X	X									

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	1/25/23 1245		DAVID WUZ	1-25 23 1245	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
			DAVID WUZ	1-2523 14:45	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
		0.2cc

*Time on sample of 1/28/22

Ver: 06/08/2021

2/21/2023

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary, NC 27511
Phone: 919-677-1669

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Nicolas Tejada Torres	Lab PM: Gaines, Amanda	Carrier Tracking No(s):	COC No: 752-2560-407 2
Client Contact: Mr George Wegmann	Phone:	E-Mail: amanda gaines@et.eurofinsus com	State of Origin:	Page: Page 2 of 2
Company: Golder Associates Inc	PWSID:			Job #:
Address: 5B Oak Branch Drive	Due Date Requested:			
City: Greensboro	TAT Requested (days):			
State, Zip: NC, 27407	Compliance Project: Δ Yes Δ No			
Phone: Travis Martinez@wsp.com	PO #: Purchase Order not required			
Email: George_Wegmann@golder com	WO #: High Point 2023			
Project Name: High Point/ Event Desc. High Point	Project #: 75200637			
Site: North Carolina	SSOW#:			

Analysis Requested

Preservation Codes.
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W pH 4-5; Y - Trizma; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 6020B, 7470A	8260D_SIM_14DX - 1,4-dioxane	8260D - (MOD) 8260 APX 1 +THF	310.1 - Alkalinity	300_ORGFM_28D - Chloride/Sulfate	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	A	N	N	N		
4116-MW5				Water										
4116-MW6				Water										
4116-MW7S	1/24/23	1101	G	Water	N	N	X	X	X	X	X	X		
4116-MW8				Water										
4116-AMW1				Water										
4116-AMW2				Water										
4116-Field Blank	1/24/23	1402	G	Water	N	N	X	X	X	X	X	X		
4116-Trip Blank	—	—	—	Water		N	X TM	X	X					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	1/25/23 1245		DAVID WILDER	1-25-23 12:45	
	Date/Time:	Company	Received by: DAVID WILDER	Date/Time: 1-25-23 14:45	Company
	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 0.2c

Ver 06/08/2021

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone 919-677-1669

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
		Gaines Amanda		752-110 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amanda gaines@et.eurofinsus com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-1612-1
Address: 5102 LaRoche Avenue	Due Date Requested: 2/6/2023			
City: Savannah	TAT Requested (days):			
State Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: High Point	Project #: 75200637			
Site: High Point	SSOW#:			

Analysis Requested

Preservation Codes

A HCL
B - NaOH
C Zn Acetate
D Nitric Acid
E NaHSO4
F MeOH
G Amchlor
H - Ascorbic Acid
I - Ice
J DI Water
K EDTA
L EDA
M - Hexane
N - None
O - AsNaO2
P Na2O4S
Q Na2SO3
R Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U Acetone
V MCAA
W - pH 4-5
Y Trizma
Z other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6010D/3005A (MOD) Appendix 1 6010 + Fe, Mn	6020B/3005A (MOD) NC AP I 6020	8260D_SIM_14DX/5030C 1,4-dioxane	310 1/ (MOD) Alkalinity	7470A/FIELD_FLTRD	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
4116-MW1 (752-1612-1)	1/23/23	09 04 Eastern		Water			X	X	X	X	X		3	
4116-MW2 (752-1612-2)	1/23/23	12 35 Eastern		Water			X	X	X	X	X		3	
4116-MW5 (752-1612-3)	1/23/23	15 30 Eastern		Water			X	X	X	X	X	X	3	
4116-MW6 (752-1612-4)	1/23/23	11 10 Eastern		Water			X	X	X	X	X		3	
4116-MW8 (752-1612-5)	1/23/23	10 23 Eastern		Water			X	X	X	X	X		3	
4116-AMW1 (752-1612-6)	1/23/23	15 00 Eastern		Water			X	X	X	X	X		3	
4116-AMW2 (752-1612-7)	1/23/23	13 20 Eastern		Water			X	X	X	X	X		3	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
1		1/24/23	RAL		01/25/26 11:00	
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		16.6 / 16.6

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone 919-677-1669

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gaines, Amanda	Carrier Tracking No(s)	COC No: 752-109 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amanda.gaines@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-1612-1
Address: 5102 LaRoche Avenue	Due Date Requested: 2/6/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: High Point	Project #: 75200637			
Site: High Point	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G - Amchlor, H Ascorbic Acid, I Ice, J DI Water, K - EDTA, L EDA, M - Hexane, N - None, O - AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W - pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6010D/3005A (MOD) Appendix 1 6010 + Fe, Mn	6020B/3005A (MOD) NC AP I 6020	8260D_SIM_14DX/6030C 1,4-dioxane	310.1/ (MOD) Alkalinity								Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
4116-MW1 (752-1612-1)	1/23/23	09 04 Eastern		Water			X	X	X	X	X								3	
4116-MW2 (752-1612-2)	1/23/23	12 35 Eastern		Water			X	X	X	X	X								3	
4116-MW5 (752-1612-3)	1/23/23	15 30 Eastern		Water			X	X	X	X	X								4	
4116-MW6 (752-1612-4)	1/23/23	11 10 Eastern		Water			X	X	X	X	X								3	
4116-MW8 (752-1612-5)	1/23/23	10 23 Eastern		Water			X	X	X	X	X								3	
4116-AMW1 (752-1612-6)	1/23/23	15 00 Eastern		Water			X	X	X	X	X								3	
4116-AMW2 (752-1612-7)	1/23/23	13 20 Eastern		Water			X	X	X	X	X								3	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing Southeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 1/24/23	Company: RAL	Received by:	Date/Time: 01/25/22 11:20	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 16.6 / 16.6

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone: 919-677-1669

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gaines Amanda	Carrier Tracking No(s):	COC No: 752-136 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: amanda.gaines@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-1612-1
Address: 5102 LaRoche Avenue	Due Date Requested: 2/4/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: High Point	Project #: 75200637			
Site: High Point	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C - Zn Acetate, D - Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J DI Water, K EDTA, L - EDA, M Hexane, N - None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T - TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6010D/3005A (MOD) Appendix 1 6010 + Fe, Mn	6020B/3005A (MOD) NC AP I 6020	8260D_SIM_14DX/5030C 1,4-dioxane	Total Number of containers	Special Instructions/Note.
			Preservation Code:									
4116-P3 (752-1993-1)	1/24/23	09:37 Eastern		Water			X	X	X		3	
4116-SW1 (752-1993-2)	1/24/23	13 31 Eastern		Water			X	X	X	X	5	
4116-SW2 (752-1993-3)	1/24/23	13 09 Eastern		Water			X	X	X	X	5	
4116-SW3 (752-1993-4)	1/24/23	12.53 Eastern		Water			X	X	X	X	5	
4116-SW4 (752-1993-5)	1/25/23	09 10 Eastern		Water			X	X	X	X	5	
4116-SW5 (752-1993-6)	1/24/23	12.16 Eastern		Water			X	X	X	X	5	
4116-SW6 (752-1993-7)	1/24/23	12.07 Eastern		Water			X	X	X	X	5	
4116-MW3 (752-1993-8)	1/24/23	09:50 Eastern		Water			X	X	X	X	6	
4116-MW4S (752-1993-9)	1/24/23	12.15 Eastern		Water			X	X	X	X	6	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/30/23	RAL	Tyneisha Hankey	02-02-23	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12:03	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 3.5 - 3.5

Ver 06 08 2021

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone. 919-677-1669

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Franz, Stephanie	Carrier Tracking No(s):	COC No: 752-137 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: stephanie franz@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 3 of 3
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-1998-1
Address: 5102 LaRoche Avenue	Due Date Requested: 2/13/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Landfills 1 4-Dioxane	Project #: 75201337			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L EDA, M Hexane, N None, O AsNaO2, P - Na2O4S, Q - Na2SO3, R Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U Acetone, V MCAA, W - pH 4-5, Y Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_SIM_14DX/5030C Routine List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SW-5 (752-1998-19)	1/27/23	16 35 Eastern		Water			X	3	
SW-6 (752-1998-20)	1/27/23	15 15 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/30/23	PAL	Tyonisha Harvey	02-02-23	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12:05	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks. 5.5 - 5.5

Ver 06 08 2021

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone 919-677-1669

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Franz, Stephanie	Carrier Tracking No(s):	COC No: 752-137.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: stephanie franz@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 2 of 3
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-1998-1
Address: 5102 LaRoche Avenue	Due Date Requested: 2/13/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Landfills 1 4-Dioxane	Project #: 75201337			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A - HCL
B NaOH
C Zn Acetate
D - Nitric Acid
E - NaHSO4
F MeOH
G Amchlor
H Ascorbic Acid
I - Ice
J - DI Water
K EDTA
L - EDA
M Hexane
N - None
O AsNaO2
P Na2O4S
Q Na2SO3
R - Na2S2O3
S H2SO4
T - TSP Dodecahydrate
U Acetone
V MCAA
W - pH 4-5
Y - Trizma
Z other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_SIM_14DX/5030C Routine List	Total Number of containers	Special Instructions/Note.
			Preservation Code:						
MW-8 (752-1998-10)	1/27/23	10 55 Eastern		Water			X	3	
MW-9 (752-1998-11)	1/27/23	10 59 Eastern		Water			X	3	
MW-10 (752-1998-12)	1/27/23	11 04 Eastern		Water			X	3	
MW-5D (752-1998-13)	1/28/23	10 15 Eastern		Water			X	3	
MW-7D (752-1998-14)	1/28/23	12.05 Eastern		Water			X	3	
SW-1 (752-1998-15)	1/27/23	16 05 Eastern		Water			X	3	
SW-2 (752-1998-16)	1/27/23	16.20 Eastern		Water			X	3	
SW-3R (752-1998-17)	1/27/23	14.20 Eastern		Water			X	3	
SW-4 (752-1998-18)	1/27/23	12.15 Eastern		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/30/23	RAL	Tynisha Hartley	02-02-23	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				12:05	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		5.6 -5.6

Ver 06/08/2021

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone 919-677-1669

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Gaines Amanda	Carrier Tracking No(s)	COC No: 752-191 1
Client Contact: Shipping/Receiving	Phone	E-Mail: amanda gaines@et.eurofinsus.com	State of Origin: North Carolina	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): State - North Carolina (WW/SW)		Job #: 752-1612-1
Address: 5102 LaRoche Avenue	Due Date Requested: 2/8/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email	WO #:			
Project Name: High Point	Project #: 75200637			
Site: High Point	SSOW#:			

Analysis Requested

Preservation Codes.

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride/Sulfate	Total Number of containers	Special Instructions/Note
			Preservation Code:						
4116-MW3 (752-1993-8)	1/24/23	09 50 Eastern		Water			X	1	
4116-MW4S (752-1993-9)	1/24/23	12.15 Eastern		Water			X	1	
4116-MW7S (752-1993-10)	1/24/23	11 01 Eastern		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	2/14/23		[signature]	02/15/23 11:00	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Yes No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks	
		2.8 / 2.8	

Eurofins Raleigh
102-A Woodwinds Industrial Court
Cary NC 27511
Phone. 919-677-1669

Chain of Custody Record

eurofins
Environment Testing

2/17/2023

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
		Gaines Amanda		752-191 1
Client Contact:	**Phone**	**E-Mail**	**State of Origin**	**Page**
Shipping/Receiving		amanda gaines@et.eurofinsus com	North Carolina	Page 1 of 1
Company		**Accreditations Required (See note)**		**Job #**
Eurofins Environment Testing Southeast,		State - North Carolina (WW/SW)		752-1612-1
Address	**Due Date Requested**			
5102 LaRoche Avenue	2/8/2023			
City	**TAT Requested (days)**			
Savannah				
State, Zip				
GA, 31404				
Phone	**PO #**			
912-354-7858(Tel) 912-352-0165(Fax)				
Email	**WO #**			
Project Name	**Project #**			
High Point	75200637			
Site	**SSOW#**			
High Point				

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride/Sulfate	Total Number of containers	Special Instructions/Note.
			Preservation Code.						
4116-MW3 (752-1993-8)	1/24/23	09 50 Eastern		Water			X	1	
4116-MW4S (752-1993-9)	1/24/23	12 15 Eastern		Water			X	1	
4116-MW7S (752-1993-10)	1/24/23	11 01 Eastern		Water			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	2/14/23		[signature]	02/15/23 11:00	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact Yes No	Custody Seal No	Cooler Temperature(s) C and Other Remark	
			2.8 | 2.8

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 752-1612-1

Login Number: 1612
List Number: 1
Creator: Yonish, Rachel

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 752-1612-1

Login Number: 1612
List Number: 2
Creator: Padayao, Abigail

List Source: Eurofins Savannah
List Creation: 01/25/23 12:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 752-1612-1

Login Number: 1993
List Number: 1
Creator: Hyatt, Samantha

List Source: Eurofins Raleigh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 752-1612-1

Login Number: 1993
List Number: 2
Creator: Harley, Tynisha

List Source: Eurofins Savannah
List Creation: 02/02/23 02:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Project Name: High Point C&D Landfill

Project Reference Number: 31405795.004

Sampling Event Date: January 23-25, 2023

Review Date: February 23, 2023 *Initials:* NTT

Report #: 752-1612-1 *QA/QC:* TJM

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

WSP USA Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility List (.500 Rules)

___ NC C & D List (New Rules)

___ NC Appendix I

___ NC Appendix I + Detects

___ NC Appendix II + cyanide, sulfide (MW-8)

___ NC Subtitle D Leachate List

_X_ Other: NC Appendix I + Mercury, Manganese, Iron, tetrahydrofuran & 1,4-dioxane, sulfate, chloride, Alkalinity, and TDS

1.0 CHAIN OF CUSTODY (COC) REVIEW

NTT COC was properly signed by all parties.

NTT Correct project name and number are on the form.

- **No project number on COC; PO#31405795.004**

NTT Sample receipt condition at laboratory was acceptable.

NTT Each sample and blank submitted for analysis appears in the report.

2.0 SAMPLE HOLDING TIMES

NTT Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

- **Method 8260D: Sample 4116-Field Blank (752-1993-11) detected Acetone at 21 ug/L. The sample was reanalyzed out of hold with confirming results. The in-hold data were reported.**
- **Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. 4116-MW2 (752-1612-2), 4116-MW6 (752-1612-4), 4116-MW8 (752-1612-5) and 4116-MW7S (752-1993-10)**
- **Method 8260D SIM 14D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: 4116-MW6 (752-1612-4).**

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

NTT Laboratory analyzed at least one internal blank for each method, where applicable.

NTT Laboratory blank is interference-free.

NTT Surrogate recoveries are provided for each analytical method, where applicable.

- **Method 8260D: The MRL sample (MRL 752-1195/4) was double spiked by the instrument. The surrogate recoveries are elevated. The data were reported.**

NTT Surrogate recoveries for each method are within the acceptable limits (i.e., at least 50% of the surrogates were within range).

NTT MS/MSD/LCS data results are provided for each analytical method.

NTT MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

- **The Method 8260D: The method blank for analytical batch 752-879 contained 2-Butanone (MEK) and trans-1,2-Dichloroethene above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL). 2-Butanone MDL recently adjusted to 10 ug/L with a RL of 20 ug/L.**

- **Method 8260D: The continuing calibration verification (CCV) associated with batch 752-879 recovered outside acceptance criteria, low biased, for Chloroethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.**

- **Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 752-879 recovered outside control limits for the following analyte(s): 2-Butanone (MEK). 2-Butanone (MEK) has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.**

- **Method 8260D: The LCS and/or LCSD recovered low for 1,2-Dichloropropane, Benzene, Chlorobenzene, Chloroform, Styrene and 1,4-Dichlorobenzene. A MRL sample was analyzed and all target compounds were detected. Samples with target non-detects are reported. Samples with target compounds detected > reporting limit (RL) will be re-analyzed.**

- **Method 6020B: The method blank for preparation batch 680-760799 and analytical batch 680-761081 contained antimony above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).**

- **Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 752-867 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.**

4.0 ANALYTE LISTS/METHODS

NTT The proper number of constituents are present for each analyte list as identified above (including detects where applicable).

NTT Proper EPA SM 2540C-1997 analytical methods were used for analysis.

5.0 DATA REPORTING

NTT All analytical reporting associated with the event was performed by the contracted lab.

NTT Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

- **Trip Blank: Chloroform @ 0.33 ug/L (J), methylene chloride @ 0.26 ug/L (J)**

- **Add B-flags for methylene chloride to MW-7S, SW-3**

➢ **Field Blank: Acetone @ 21.0 ug/L**
- **Add B-flags to MW-2, MW-6, MW-8, AMW-1, AMW-2, SW-3, SW-5, SW-6**

➢ **Method Blank: Antimony @ 1.14 ug/L (J)**
- **Add B-flags to MW-1, MW-2, P-3, MW-6, SW-1, SW-2, SW-3, SW-4, SW-5, SW-6**

NTT It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

➢ **1,4-Dioxane (10x): MW-2, MW-6, MW-7S, MW-8, AMW-1, AMW-2, SW-5**
➢ **Selenium (10x): MW-8**
➢ **Silver (10x): MW-8**
➢ **Manganese (10x): MW-8**

NTT The report provides the reporting limit for each constituent.

NTT The results were reported at or below their proper reporting limits (i.e., MDLs with PQLs reported). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilution.

NTT No inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards/GWPS in wells, or field/equipment/trip blanks, or above applicable surface water standards in surface water points

➢ **Benzene (NC 2L = 1 ug/L)**
- **MW-2 @ 1.5 ug/L**
- **MW-6 @ 2.8 ug/L**
- **MW-7S @ 1.2 ug/L**
- **MW-8 @ 1.6 ug/L**

➢ **Barium (NC 2L = 700 ug/L)**
- **MW-7S @ 790 ug/L**

➢ **Cadmium (NC 2L = 2 ug/L)**
- **P-3 @ 2.5 ug/L (J)**

➢ **Cobalt (NC 2L = 1 ug/L)**
- **P-3 @ 2.3 ug/L (J)**
- **MW-2 @ 7.3 ug/L (J)**
- **MW-3 @ 2.2 ug/L (J)**
- **MW-6 @ 14.0 ug/L**
- **MW-8 @ 9.5 ug/L (J)**
- **AMW-1 @ 9.5 ug/L (J)**
- **AMW-2 @ 9.3 ug/L (J)**

➢ **Iron (NC 2L = 300 ug/L)**
- **P-3 @ 3,600 ug/L**
- **MW-2 @ 19,000 ug/L**
- **MW-3 @ 4,700 ug/L**
- **MW-4S @ 810 ug/L**
- **MW-5 @ 35,000 ug/L**
- **MW-6 @ 13,000 ug/L**
- **MW-8 @ 4,300 ug/L**
- **AMW-1 @ 13,000 ug/L**
- **AMW-2 @ 2,600 ug/L**

➢ **Manganese (NC 2L = 50 ug/L)**
- **P-3 @ 390 ug/L**
- **MW-2 @ 6,900 ug/L**
- **MW-3 @ 150 ug/L**
- **MW-5 @ 1,300 ug/L**
- **MW-6 @ 4,800 ug/L**
- **MW-7S @ 180 ug/L**
- **MW-8 @ 34,000 ug/L**
- **AMW-1 @ 5,800 ug/L**
- **AMW-2 @ 2,700 ug/L**

- **Total Dissolved Solids (NC 2L = 500 mg/L)**
  - **MW-2 @ 1,200 mg/L**
  - **MW-4S @ 840 mg/L**
  - **MW-6 @ 1,700 mg/L**
  - **MW-8 @ 1,500 mg/L**
  - **AMW-1 @ 840 mg/L**
  - **AMW-2 @ 810 mg/L**

- **1,4-Dioxane (NC 2L = 3 ug/L)**
  - **MW-2 @ 41 ug/L**
  - **MW-6 @ 140 ug/L**
  - **MW-7S @ 23 ug/L**
  - **MW-8 @ 58 ug/L**
  - **AMW-1 @ 23 ug/L**
  - **AMW-2 @ 54 ug/L**

- **Vinyl Chloride (NC 2L = 0.03 ug/L)**
  - **MW-8 @ 0.96 ug/L (J)**

- **Vanadium (NC 2L = 7 ug/L)**
  - **P-3 @ 11.0 ug/L**
  - **MW-7S @ 9.3 ug/L (J)**

- **1,4-Dioxane (Human Health = 0.35 ug/L)**
  - **SW-3 @ 1.7 ug/L – upstream**
  - **SW-2 @ 1.4 ug/L**
  - **SW-4 @ 2.0 ug/L**
  - **SW-5 @ 14 ug/L**
  - **SW-6 @ 2.1 ug/L**

- **Cobalt (Human Health = 0.40 ug/L)**
  - **SW-5 @ 15.0 ug/L**

- **Copper (Freshwater Chronic SW standard; SW-1 = 4.09 ug/L)**
  - **SW-1 @ 5.0 ug/L (J)**

NTT No inorganic or organic constituents were detected in a well or surface water point at quantified concentrations outside of their historical range (more than 5X previous concentrations or first-time detections).

- **Antimony: first time detection in SW-5, SW-6**
- **Vanadium: first time detection in AMW-1, AMW-2, P-3, SW-5**
- **Toluene: first time detection in MW-6**
- **Iron: 5X historical concentration in P-3**
- **Acetone: first time detection in SW-5 (B), SW-6 (B)**

NTT Other report issues/Communications with laboratory/etc.:

- **Contacted the lab on March 28, 2023, to correct the following issues:**
  - **Alkalinity reported on J1606-1 (additional) report**
  - **Incorrectly reported alkalinity, chloride, sulfate, TDS, for P-3 J1606-1 (not on COC)**
  - **Chloride reported on the wrong report (J1606-1) should be on J1612-1**

APPENDIX C

USGS National Geochemical Survey Database Summary

APPENDIX C

USGS National Geochemical Survey Database Summary
Waste Industries of High Point Construction and Demolition Landfill, Permit No. 41-16
Guilford County, North Carolina

NURE Record ID	Lab ID	Collection Date	Datum	Latitude	Longitude	Medium	Source	Units	Cobalt
5289485	C-110775	07/21/76	NAD27	36.2239	-80.0316	Sediment	Stream	ppm	8
5289485	C-110871	07/21/76	NAD27	36.2239	-80.0316	Sediment	Stream	ppm	8
5299850	C-210800	07/23/76	NAD27	36.1404	-79.8577	Sediment	Stream	ppm	15
5282810	C-110092	09/12/76	NAD27	35.9952	-80.2418	Sediment	Stream	ppm	<2
5282670	C-110270	09/09/76	NAD27	35.9945	-80.0553	Sediment	Stream	ppm	12
5286508	C-143285	07/21/76	NAD27	35.9839	-79.8933	Sediment	Stream	ppm	19
5299838	C-210846	07/22/17	NAD27	36.0091	-79.6967	Sediment	Stream	ppm	12
5282822	C-110100	09/12/76	NAD27	35.9098	-80.214	Sediment	Stream	ppm	<2
5286506	C-110103	07/20/76	NAD27	35.9408	-79.9033	Sediment	Stream	ppm	6
5286506	C-110855	07/20/76	NAD27	35.9408	-79.9033	Sediment	Stream	ppm	6
5286519	C-143841	07/22/76	NAD27	35.9399	-79.6065	Sediment	Stream	ppm	4
5287114	C-143617	12/01/76	NAD27	35.805	-79.9971	Sediment	Stream	ppm	18
5287156	C-143520	12/05/76	NAD27	35.7936	-79.7273	Sediment	Stream	ppm	16
5282722	C-210888	09/10/76	NAD27	35.7553	-80.0672	Sediment	Stream	ppm	24
								Average	**11**

Notes:

1. NURE = National Uranium Resource Evaluation
2. ID = identification
3. ND = non-detect
4. Inorganic analysis performed by ICP40.
5. ppm = parts per million
6. Sample locations are within 25 miles of the Henderson County MSW Landfill
7. Source of data is the United States Geological Survey National Geochemical Survey Database.

