



July 19, 2022

Ms. Elizabeth Werner
Department of Environmental Quality, Division of Waste Management, Solid Waste Section
1646 Mail Service Center, Raleigh, North Carolina 27699
elizabeth.werner@ncdenr.gov

**RE: WATER QUALITY MONITORING REPORT, FIRST SEMI-ANNUAL 2022 SAMPLING EVENT
ACTIVE SAMPSON COUNTY MSW LANDFILL, PERMIT NO. 82-02
SAMPSON COUNTY, NORTH CAROLINA**

Dear Ms. Werner,

Sampson County Disposal, LLC, is submitting the enclosed Water Quality Monitoring Report, which documents the results of the first semi-annual 2022 compliance monitoring event at the above-referenced facility. If you have any questions, please contact me at (724) 244-9511 or Rachel Kirkman with Golder Associates NC, Inc. at (336) 852-4903.

Sincerely,
Sampson County Disposal, LLC

Joseph Santangelo

Joseph Santangelo
Regional Environmental Compliance Manager

Enclosure

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First Semi-Annual 2022 Sampling Event

Sampson County Disposal, LLC Active MSW and C&D Landfills, Permit No. 82-02 Sampson County, North Carolina

Submitted to:

Sampson County Disposal, LLC

7434 Roseboro Highway (NC Highway 24)
Roseboro, NC 28382

Submitted by:

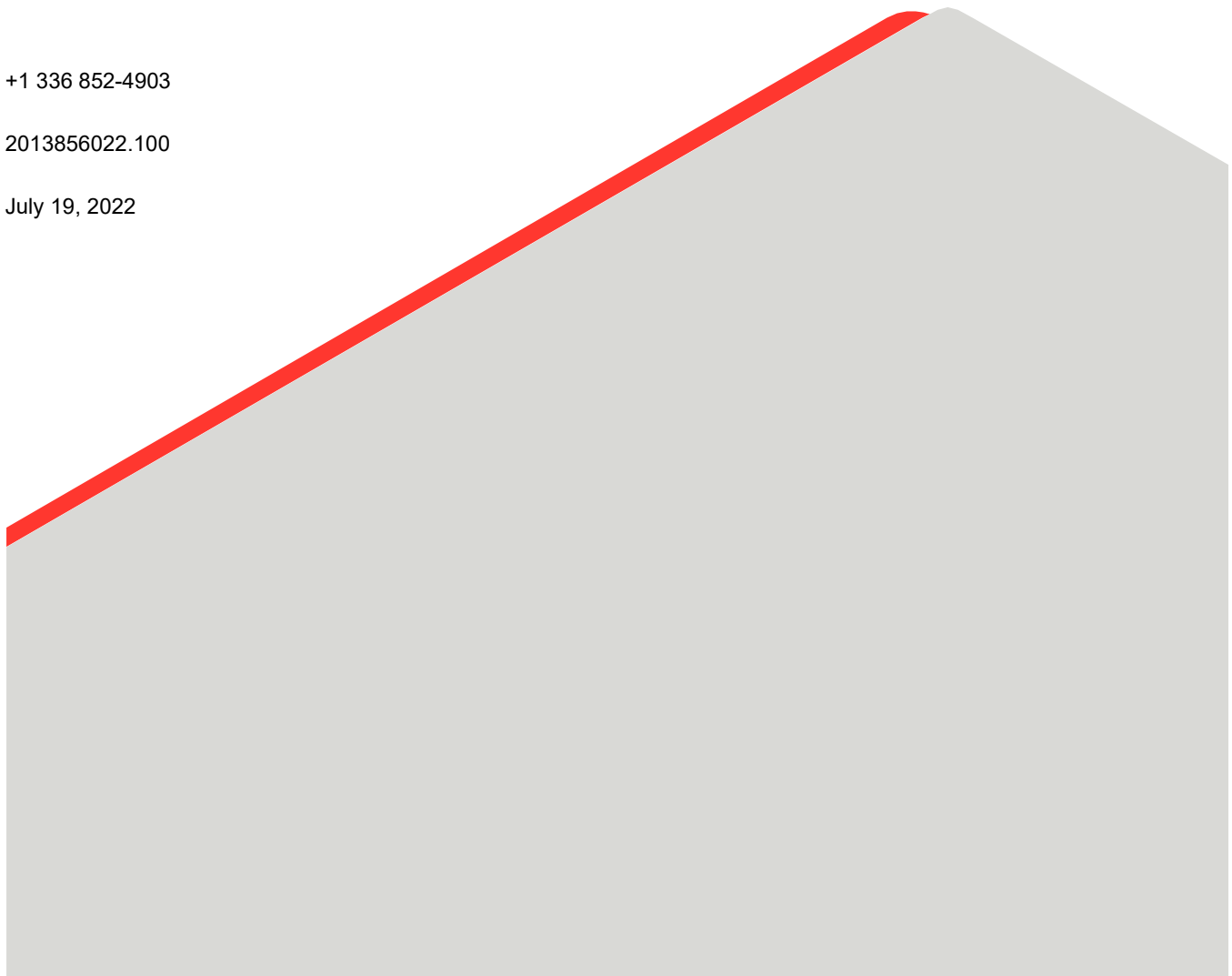
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2013856022.100

July 19, 2022



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):

Golder Associates NC, Inc. on behalf of Sampson County Disposal, LLC

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

Name: Rachel P. Kirkman, PG Phone: (336) 852-4903

E-mail: rkirkman@golder.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Sampson County Active MSW and C&D Landfills	7434 Roseboro Highway Roseboro, NC 28382	82-02	.0500 and .1600	May 10-12, 2022

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

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.

Rachel P. Kirkman, PG Director, Geologist (336) 852-4903
 Facility Representative Name (Print) Title (Area Code) Telephone Number
Rachel P. Kirkman 7-19-22 Affix NC Licensed/ Professional Geologist Seal
 Signature Date

Golder Associates NC, Inc., 5B Oak Branch Drive, Greensboro, NC 27407

Facility Representative Address

C-2862

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



Distribution List

Joseph Smith, Manager, Sampson County Landfill, LLC, 7434 Roseboro Highway, Roseboro, NC 28382

Bryan Wuester, Regional Landfill Manager, 7434 Roseboro Highway, NC 28382

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(electronic copy)

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Executive Summary

On behalf of Sampson County Disposal, LLC (Sampson County), Golder Associates NC, Inc., a member of WSP (Golder), is submitting the enclosed *Water Quality Monitoring Report*, which documents the results of the May 10 - 12, 2022 compliance monitoring event. Groundwater, surface water, and leachate samples were analyzed for North Carolina (NC) Appendix I constituents, except for MW-100B, which was analyzed for the NC Appendix I list of inorganic constituents per the approved monitoring plan. Samples for the Construction and Demolition (C&D) landfill wells were also analyzed for the other required parameters for C&D landfills, as specified in Title 15A NCAC 13B.0544 including tetrahydrofuran, and the leachate sample was also analyzed for additional required parameters. Surface water and groundwater samples were also analyzed for 1,4-dioxane per the May 29, 2018, memorandum from the NC Department of Environmental Quality (DEQ).

Upgradient monitoring wells MW-102A and MW-103A and downgradient monitoring well MW-107S were dry during the May 2022 sampling event and no samples could be obtained. Smith + Gardner, Inc. submitted a *Well Network Modification Request* to NC DEQ on April 12, 2022, which included a replacement upgradient well and replacement for MW-107S. The replacement wells will be installed prior to the second semi-annual monitoring event for 2022.

At the municipal solid waste (MSW) facility, cobalt was detected at concentrations above and below the practical quantitation limit (PQL) and the NC 2L groundwater standard in samples from one or more downgradient compliance monitoring points during the May 2022 monitoring event. No further action is required for above-standard estimated concentrations below PQLs. Quantifiable above-standard concentrations are interpreted to be naturally occurring based on available data as reported in previous alternate source demonstrations (ASDs) and 14-Day Notifications. Although no cobalt concentrations were above previously proposed well-specific groundwater protection standards (GPSs), a revised, statistically-derived, site-wide, GPS for cobalt is proposed in this report to consolidate these well-specific GPSs. This approach is consistent with how NC DEQ has approved GPS for other similar landfill facilities. Cobalt concentrations are below the proposed site-wide GPS and no new notifications were necessary.

Based on information previously provided in ASDs regarding the regional and local geology as well as natural groundwater conditions, naturally-occurring cobalt is present in soils in Sampson County, NC. Low-pH groundwater has likely led to the release and mobilization of naturally-occurring metals into groundwater. No NC Appendix I volatile organic constituents (VOCs) were detected at concentrations above their respective PQLs and groundwater standards during this event.

At the C&D facility, cobalt was also detected at estimated concentrations below the PQL but above the groundwater standard in samples from one or more downgradient wells during this event. No further action is required for estimated concentrations above groundwater standards.

Indicator parameters iron, manganese, and total dissolved solids (TDS) were detected at one or more downgradient wells at concentrations that exceed their respective PQLs and NC 2L standards. Although none of these concentrations were above previously proposed well-specific GPSs, revised, statistically-derived, site-wide, GPSs are proposed in this report to consolidate these well-specific GPSs as described above. Sulfate was detected at a concentration above PQL, NC 2L Standard, and the previously proposed statistically-derived site-specific GPS at MW-3N. Sulfate was also detected at concentrations above the PQL and NC 2L Standard at

MW-2N and MW-4N but below previously proposed GPS. A revised, statistically-derived, site-wide, GPS is proposed for sulfate and concentrations detected during this event at MW-2N, MW-3N, and MW-4N are below the revised GPS.

Quantifiable above-standard concentrations are interpreted to be naturally occurring based on available data as reported in previous alternate source demonstrations (ASDs) and 14-Day Notifications and no new notifications were necessary. No NC Appendix I VOCs were detected at quantifiable concentrations above groundwater standards during this event. 1,4-dioxane was detected at quantifiable concentrations above the PQL and groundwater standard at downgradient monitoring locations MW-2N and MW-3N. 1,4-dioxane is not required by permit or regulation and future trends will be monitored.

No NC Appendix I constituents were reported above applicable surface water standards from surface water points during this event. Leachate results were generally consistent with historical data for this facility.

Based on these results, Sampson County Disposal, LLC will continue groundwater monitoring in accordance with the requirements of the Detection Monitoring Program as outlined in Title 15A NCAC 13B.1633 and .0544. The next semi-annual monitoring event is tentatively scheduled for November 2022. If you have any questions, please contact the undersigned at 336-852-4903.

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1.0 INTRODUCTION

This report summarizes the monitoring results from the May 10 - 12, 2022, groundwater, surface water, and leachate sampling event at the active Sampson County, LLC Municipal Solid Waste (MSW) and Construction & Demolition (C&D) Landfills in Sampson County. The active MSW Landfill facility is a Subtitle D facility and is monitored in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.1633. Groundwater at the closed C&D Landfill is monitored in accordance with Title 15A NCAC 13B.0544.

The facility is located on the northern half of the Sampson County Landfill property and is comprised of the Phase 1 active Subtitle D lined MSW landfill and one active C&D landfill. The facility is owned and operated by Sampson County, LLC under Permit No. 82-02 issued by the North Carolina (NC) Department of Environmental Quality (DEQ, formerly NC Department of Environment and Natural Resources). The southern half of the landfill property is comprised of one closed Subtitle D lined MSW landfill and one closed C&D landfill, which are covered under Permit No. 82-01. The results for the closed facility are submitted under separate cover.

1.1 Site Description and Background

The location of the facility is shown on the inlay on Drawing 1. The Sampson County Landfill is located approximately 6.5 miles west of Clinton, North Carolina in Sampson County near the rural community of Snow Hill. Access to the site is from Roseboro Highway (N.C. Highway 24), south of the site.

The Bearskin Swamp is located along the eastern property boundary and drains to the southwest into Little Coharie Creek. The location of this surface water feature is shown on Drawing 1.

Based on the topography as shown on Drawing 1, topographic surface elevations at the facility range from approximately 130 feet above mean sea level (AMSL) along the perimeter of the C&D disposal area on the southeastern portion of the facility, to nearly 250 feet AMSL in the southeastern portion of the MSW disposal area. The site is surrounded predominantly by wooded, agricultural, or rural residential properties.

The Permit 82-01 closed MSW and C&D landfills are located south of the active landfills. The property also includes a closed, unlined disposal area owned and maintained by Sampson County. This area is located south of the active facility. Roseboro Highway (N.C. Highway 24) is located to the south of the active landfills.

1.2 Compliance Monitoring History

Groundwater monitoring at the facility was initiated in October 1996. The facility's approved MSW monitoring network is currently comprised of eight monitoring wells, which monitor the uppermost aquifer beneath the facility. Monitoring wells MW-102A and MW-103A are the upgradient background wells for the MSW landfill. An additional upgradient background well (MW-100B) is monitored for NC Appendix I inorganic constituents. Monitoring well MW-100B was installed as a replacement well MW-100A prior to the May 2010 sampling event due to site construction activities. Wells MW-104, MW-105A, MW-106, MW-107S, and MW-108 are downgradient compliance wells for the MSW landfill. Additionally, upgradient well MW-1N and downgradient wells MW-2N, MW-3N, MW-4N, MW-5AN, and MW-5BN monitor groundwater at the C&D landfill.

Groundwater beneath the two disposal units is currently monitored by a combined total of 14 monitoring wells. In addition to the wells, groundwater quality is also monitored at GGI Outfalls 1 and 2, gravity groundwater intercept outfall sampling locations. GGI Outfall 1 is located east of the MSW disposal area, while GGI Outfall 2 is located north of the MSW, both outfalls discharging into wetland areas.

Monitoring well MW-107D had been sampled in previous events as part of an assessment of volatile organic constituents (VOCs) detected in MW-107S. Historical analytical results for samples from MW-107S and MW-107D indicate that VOCs have been present in groundwater and may be related to landfill gas impacts to groundwater and/or historical leachate seeps along the adjacent side slopes as discussed in the September 20, 2007 meeting with the Solid Waste Section. The corrective action for these potential sources was implemented with the initial installation of several active gas extraction wells during final capping activities, as well as the installation of additional landfill gas extraction wells near the eastern slope of the facility. Data for samples from MW-107S and MW-107D indicated that concentrations of VOCs in groundwater samples are below reporting limits and that these corrective measures improved groundwater quality in this area. The NC DEQ granted approval to discontinue sampling monitoring well MW-107D in electronic correspondence dated October 24, 2012. The approval to discontinue sampling MW-107D is contingent upon being able to collect a sample from MW-107S and that no quantifiable detections of VOCs are reported in the sample collected from MW-107S. If MW-107S is dry, or if VOCs are reported at quantifiable concentrations, then the facility must resume sampling MW-107D. The well was sampled in November 2021 and results are significantly different from those for MW-107S as this well is in a different aquifer. Therefore, Smith + Gardner, Inc. submitted a *Well Network Modification Request* to NC DEQ on April 12, 2022, which included a replacement upgradient well and replacement for MW-107S. The replacement well will be installed prior to the second semi-annual monitoring event for 2022.

The facility's monitoring network also includes three surface water sampling points, SW-1, SW-4, and SW-5. Surface water point SW-1 is the facility's upstream sampling point located along Bearskin Swamp north of the active facility. Surface water point SW-4 is located downstream and north of the MSW disposal area along an unnamed tributary to the Bearskin Swamp. Surface water point SW-5 is a second downstream sampling location located east of the active facility in a drainage channel into the wetlands area. Surface points SW-1, SW-4, and SW-5 are sampled in conjunction with the groundwater monitoring wells in accordance with the facility's permit and Water Quality Monitoring Plan (WQMP).

1.3 Hydrogeologic Setting

The facility is located in the western portion of the Coastal Plain Physiographic Province of NC. The geologic units of this region are relatively young, dating from the Cretaceous Period to the present, and have been formed through transgression and regression of the Atlantic Ocean. The natural topography is flat to gently rolling with the upland surfaces gradually sloping downward in a southeasterly direction (S&ME 1992). The site is underlain by sands, silts, and clays of the Black Creek Formation, which consists of cross-bedded layers of black to gray thinly-laminated clay and sand lenses of varied thickness and grain size. The formation is rich in mica, lignite, and iron sulfides. The Tuscaloosa formation underlies the Black Creek Formation and is comprised of gray to white sand and gravel with clay lenses (NCGS 1985). An unconformity forms the contact between the two formations with some interfingering of the two layers in the transition zone (NCGS 1960).

The uppermost groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of sands mixed with thin clay seams and larger seams of fine sand. Beneath the uppermost aquifer, a clay confining layer is present generally at a depth of approximately 20 - 25 feet below ground surface (BGS). The clay confining layer generally consists of black or dark gray silty clay with thin seams of light gray fine sand (S&ME 1992). Groundwater occurs at depths varying from approximately 4 - 16 feet BGS (plus or minus) across the entire site. Depth-to-water measurements obtained during the May 2022 monitoring event are summarized in Table 1 and were used to prepare a groundwater surface contour map presented on Drawing 1.

Surface water and groundwater at the site generally flows to the northeast and east toward Bearskin Swamp located along the eastern property boundary. The Bearskin Swamp flows south to southwest and drains into Little Coharie Creek, located approximately two miles southwest of the facility. The groundwater contour map and interpreted flow directions are generally consistent with previously submitted interpretations for this facility.

Based on the May 10, 2022, groundwater contour map, the 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 0.014 feet/foot. Groundwater velocities were calculated using a hydraulic conductivity of 1.295×10^{-2} centimeters per second (cm/s), which is the average of the hydraulic conductivities calculated for the hydrogeologic units present at the facility (GNRA December 1999). The estimated effective porosity of the shallow aquifer is also based on the average of the effective porosities for the hydrogeologic units, which is 0.25 (GNRA December 1999).

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 761 feet/year toward the northeast, which is generally consistent with previous estimates (Table 2). 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 as part of the May 2022 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 active MSW and C&D landfills by the sampling personnel. This program includes physical indicators such as potential water table mounding beneath the waste management unit, physical examination of any stresses in biological communities, visible signs of leachate migration (i.e., leachate seeps), unexplained changes in soil characteristics, and any other change to the environment due to the waste management unit. During this compliance monitoring event, no physical indicators of a potential release were observed in the vicinity of the waste management areas by the sampling personnel.

2.2 Well Network and Groundwater Elevation Measurements

The current network of groundwater monitoring wells at the facility consists of 14 wells and two gravity groundwater intercept outfalls. Available monitoring well construction information for site monitoring wells is summarized on Table 3, and the well locations are shown on Drawing 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. One upstream surface water monitoring point (SW-1) and two downstream surface water monitoring points (SW-4 and SW-5) are also monitored.

Depth-to-water measurements are 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. The historical water level data are also shown on this table. As presented, recent groundwater elevation data for the monitoring well network 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 - 10 feet (plus or minus) under normal conditions. The range in fluctuation appears to be greatest in the upgradient background wells, MW-102A and MW-103A, which are located in a groundwater recharge area. The range in fluctuation in the downgradient compliance wells, which are located near groundwater discharge areas, is less, presumably due to the stabilizing effect of the hydraulic discharge boundary.

2.3 May 2022 Monitoring Event

Personnel from Golder visited the facility on May 10 -12, 2022, to purge and sample monitoring wells, to sample the gravity groundwater intercepts, surface water monitoring points, and the facility's leachate collection system. Upgradient wells MW-102A and MW-103A, and downgradient well MW-107S were dry and therefore no samples were collected.

Depth-to-water measurements were obtained from the network monitoring wells to the nearest 0.01 foot using an electronic water level indicator prior to purging the wells. The respective groundwater level elevations for this event are presented in Table 1. The historical groundwater level elevation data are also shown on this table.

Monitoring wells were purged and sampled using the dedicated pumps at the facility following low-flow micropurge procedures. Measurements of temperature, pH, specific conductivity, turbidity, dissolved oxygen, and oxidation reduction potential were recorded on approximately 5-minute intervals, depending on the purge rate. In general, the purge rate for each well was matched to the yield of the monitoring well, as determined by continuously monitoring the depth to the water, up to a maximum purge rate of 400 milliliters per minute. Purging was continued until stabilization was indicated by the water quality parameters.

Prior to sampling, the laboratory-supplied sample containers were prepared. Each sample container was labeled 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 dedicated Grundfos® pump's discharge lines, or bailer in the labeled, laboratory-supplied, pre-preserved sample containers after purging was completed based on stabilization of all water quality parameters. 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 method and location, field observations, and water quality measurements.

The surface water samples were collected directly from the stream, 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, turbidity, dissolved oxygen, and oxygen reduction potential were measured directly from the stream and recorded during the collection of the surface water samples.

The leachate sample was collected directly from the leachate piping manifold in the area that serves as secondary containment for the leachate transportation vehicles. Measurements of temperature, pH, specific conductivity, and turbidity were recorded during the collection of the leachate sample.

After collection, the surface water and leachate 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 water quality measurements.

2.4 Laboratory Analysis Program

The May 2022 groundwater, surface water, and leachate samples were submitted to Environmental Conservation Laboratories, Inc. (ENCO) of Cary, North Carolina under chain-of-custody control for analysis. As presented, groundwater, surface water, and leachate samples at the facility were analyzed for NC Appendix I constituents, except for MW-100B which is only analyzed for the NC Appendix I list of inorganic constituents. Samples from C&D wells MW-1N, MW-2N, MW-3N, MW-4N, MW-5AN, and MW-5BN were also analyzed for other required parameters for C&D landfills, as specified in Title 15A NCAC 13B.0544, including tetrahydrofuran. The constituent 1,4-dioxane was also analyzed during this event per the May 29, 2018, memorandum. The leachate sample was also analyzed for the other required leachate parameters. The samples were received at the laboratory in good condition and were properly preserved.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the May 2022 groundwater sampling. In addition to the field blank, a laboratory-prepared trip blank accompanied the volatile sample containers to and from the laboratory. ENCO analyzed the field blank for NC Appendix I constituents and the trip blank for NC Appendix I volatile organic compounds. Reviews of the laboratory data were performed by Golder personnel and are included in Appendix B. As noted, 2-butanone and methylene chloride were detected in the method and field blanks, respectively, during this event. Based on our data review, no data qualification was necessary.

4.0 DATA EVALUATION

The results of the data evaluations are presented in the following sections. Leachate results were generally consistent with historical data for this facility.

4.1 North Carolina Groundwater and Surface Water Standard Comparisons

At the MSW facility, cobalt was detected at concentrations above the practical quantitation limit (PQL) and the NC 2L in samples from two downgradient compliance monitoring points during the May 2022 monitoring event: MW-104 and MW-108. Cobalt was also detected at estimated concentrations below the PQL but above the groundwater standard at several wells during this event: upgradient wells MW-100B and downgradient well MW-106, GGI Outfall 1, and GGI Outfall 2.

No further action is required for above-standard estimated concentrations below PQLs. Quantifiable above-standard concentrations are interpreted to be naturally occurring based on available data as reported in previous alternate source demonstrations (ASDs) and 14-Day Notifications. Although no cobalt concentrations were above previously proposed well-specific groundwater protection standards (GPSs), a revised, statistically-derived, site-wide, GPS for cobalt is proposed in this report to consolidate these well-specific GPSs. This approach is

consistent with how NC DEQ has approved GPS for other similar landfill facilities. Cobalt concentrations are below the proposed site-wide GPS and no new notifications were necessary.

Based on information previously provided in ASDs regarding the regional and local geology as well as natural groundwater conditions, naturally-occurring cobalt is present in soils in Sampson County, NC. Low-pH groundwater has likely led to the release and mobilization of naturally-occurring metals into groundwater. No NC Appendix I volatile organic constituents (VOCs) were detected at concentrations above their respective PQLs and groundwater standards during this event. No other NC Appendix I volatile organic constituents (VOCs) were detected at concentrations above their respective PQLs and groundwater standards during this event.

At the C&D facility, cobalt was also detected at estimated concentrations below the PQL but above the groundwater standard in samples from one or more downgradient wells during this event. No further action is required for estimated concentrations above groundwater standards.

Indicator parameters iron, manganese, and total dissolved solids (TDS) were detected at one or more downgradient wells at concentrations that exceed their respective PQLs and NC 2L standards. Although none of these concentrations were above previously proposed well-specific GPSs, revised, statistically-derived, site-wide, GPSs are proposed in this report to consolidate these well-specific GPSs as described above. Sulfate was detected at a concentration above PQL, NC 2L Standard, and the previously proposed statistically-derived site-specific GPS at MW-3N. Sulfate was also detected at concentrations above the PQL and NC 2L Standard at MW-2N and MW-4N but below previously proposed GPS. A revised, statistically-derived, site-wide, GPS is proposed for sulfate and concentrations detected during this event at MW-2N, MW-3N, and MW-4N are below the revised GPS.

Quantifiable above-standard concentrations are interpreted to be naturally occurring based on available data as reported in previous alternate source demonstrations (ASDs) and 14-Day Notifications and no new notifications were necessary. No NC Appendix I VOCs were detected at quantifiable concentrations above groundwater standards during this event. 1,4-dioxane was detected at quantifiable concentrations above the PQL and groundwater standard at downgradient monitoring locations MW-2N and MW-3N. 1,4-dioxane is not required by permit or regulation and future trends will be monitored.

No Appendix I VOCs were detected at quantifiable concentrations above groundwater standards during this event. 1,4-dioxane was detected at monitoring wells MW-2N and MW-3N at quantifiable concentrations above the PQL and groundwater standard. 1,4-dioxane is not required by permit or regulation and future trends will be monitored. No NC Appendix I constituents were reported above applicable surface water standards from surface water points during the May 2022 event.

5.0 CONCLUSIONS

The above-standard concentrations of several NC Appendix I inorganic constituents at downgradient monitoring points at both the MSW and C&D Landfills appear to be naturally occurring and are below site-specific GPS based on information presented previous ASDs and 14-Day Notifications.

No other quantifiable concentrations of NC Appendix I parameters above groundwater standards were noted for MSW wells, C&D wells, or surface water monitoring points during this event except sulfate at MW-3N. Based on the results summarized herein, Sampson County Disposal, LLC will continue monitoring the uppermost aquifer beneath this facility in accordance with the requirements of the Detection Monitoring Program as outlined in Title 15A NCAC 13B.1633 and .0544. The next sampling event is tentatively scheduled for November 2022.

6.0 REFERENCES

GNRA (G.N. Richardson & Associates, Inc.), Raleigh, NC, December 2006, Water Quality and Leachate Monitoring Report-May 2006 Semi-annual Monitoring Event.

GNRA (G.N. Richardson & Associates, Inc.), Raleigh, NC, July 2006, Water Quality and Leachate Monitoring Report-May 2006 Semi-annual Monitoring Event.

GNRA (G.N. Richardson & Associates, Inc.), Raleigh, NC, December 1999, Water Quality and Leachate Monitoring Report-May 1999 Semi-annual Monitoring Event.

GNRA (G.N. Richardson & Associates, Inc.), Raleigh, NC, May 2000, Water Quality Monitoring Plan, Permit Area 82-02 MSW Landfill Phase 2.

GNRA (G.N. Richardson & Associates, Inc.), Raleigh, NC, September 2004, Revised July 2005, Water Quality Monitoring Report-Sampson County Landfill-NPE Landfills.

NCGS (North Carolina Geologic Survey), 1985, Geologic Map of North Carolina.

NCGS (North Carolina Geologic Survey), 1960, Geology and Groundwater of Goldsboro Area.

S&ME (S&ME, Inc.), Charlotte, NC, August 1992, Site Suitability Update for Sampson County Municipal Solid Waste Landfill.

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Signature Page

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TABLES

TABLE 1
Summary of Historical Groundwater Elevation Data
Sampson County Active MSW/C&D Landfill, Permit No. 82-02
Sampson County, North Carolina

TOC Elevation (ft AMSL)	Monitoring Well																													
	MW-1N		MW-2N		MW-3N		MW-4N		MW-5AN		MW-5BN		MW-100B		MW-102A		MW-103A		MW-104		MW-105A		MW-106		MW-107S		MW-107D		MW-108	
	149.08		129.86		129.55		138.32		135.43		135.19		161.68		162.92		161.70		148.43		132.52		143.41		139.46		139.35		135.41	
Date	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW	GW Elev	DTW
11/5/2002	136.90	12.18	125.76	4.10	124.55	5.00	128.18	10.14	124.72	10.71	123.73	11.46	--	--	--	--	--	--	133.43	15.00	--	--	128.30	15.11	127.75	11.71	--	--	121.26	14.15
5/29/2003	141.83	7.25	126.51	3.35	126.60	2.95	131.37	6.95	127.71	7.72	127.44	7.75	--	--	--	--	--	--	136.48	11.95	--	--	130.29	13.12	129.04	10.42	--	--	122.71	12.70
11/5/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	156.32	6.60	155.83	5.87	--	--	--	--	--	--	--	--	--	--	--	--
5/25/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/16-17/2005	137.55	11.53	126.15	3.71	125.27	4.28	128.85	9.47	125.71	9.72	125.21	9.98	--	--	151.51	11.41	150.36	11.34	133.09	15.34	--	--	128.37	15.04	127.84	11.62	--	--	121.01	14.40
11/25/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/20/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/21-22/2007	138.93	10.15	126.15	3.71	125.20	4.35	129.01	9.31	126.13	9.30	125.57	9.62	--	--	154.78	8.14	153.56	8.14	133.63	14.80	--	--	128.54	14.87	128.83	10.63	--	--	121.64	13.77
11/12-15/2007	136.00	13.08	125.14	4.72	123.72	5.83	127.34	10.98	124.41	11.02	124.01	11.18	--	--	146.87	16.05	146.21	15.49	131.92	16.51	124.82	7.70	127.74	15.67	127.03	12.43	126.62	12.73	121.19	14.22
5/27-29/2008	139.04	10.04	125.69	4.17	125.75	3.80	128.87	9.45	126.04	9.39	125.48	9.71	--	--	152.14	10.78	151.42	10.28	132.67	15.76	125.18	7.34	128.14	15.27	127.41	12.05	126.79	12.56	121.26	14.15
11/17-20/2008	140.02	9.06	126.38	3.48	126.19	3.36	130.07	8.25	127.36	8.07	126.47	8.72	--	--	151.47	11.45	150.78	10.92	132.00	16.43	125.87	6.65	127.79	15.62	127.95	11.51	127.43	11.92	122.10	13.31
5/26-27/2009	139.04	10.04	125.82	4.04	125.50	4.05	128.71	9.61	126.42	9.01	125.61	9.58	--	--	150.01	12.91	149.75	11.95	131.87	16.56	125.27	7.25	127.32	16.09	127.11	12.35	126.31	13.04	121.19	14.22
11/9-11/2009	135.98	13.10	125.20	4.66	124.02	5.53	127.53	10.79	124.76	10.67	124.22	10.97	--	--	146.26	16.66	145.98	15.72	130.43	18.00	124.82	7.70	126.11	17.30	125.06	14.40	125.27	14.08	120.26	15.15
5/24-26/2010	140.21	8.87	126.38	3.48	126.33	3.22	130.92	7.40	128.93	6.50	127.23	7.96	--	18.14	150.71	12.21	152.33	9.37	132.11	16.32	125.84	6.68	127.31	16.10	127.44	12.02	127.03	12.32	122.54	12.87
11/15-17/2010	138.31	10.77	125.80	4.06	125.47	4.08	128.97	9.35	126.15	9.28	125.53	9.66	--	21.81	149.92	13.00	149.22	12.48	131.75	16.68	125.02	7.50	126.59	16.82	125.51	13.95	125.31	14.04	120.57	14.84
5/9-11/2011	136.08	13.00	125.87	3.99	124.99	4.56	128.47	9.85	125.57	9.86	124.94	10.25	--	20.60	147.63	15.29	146.92	14.78	131.18	17.25	125.10	7.42	126.20	17.21	125.55	13.91	124.96	14.39	120.71	14.70
11/14/2011	135.53	13.55	125.71	4.15	124.15	5.40	127.48	10.84	124.23	11.20	124.18	11.01	--	22.20	145.66	17.26	145.24	16.46	130.21	18.22	125.04	7.48	125.28	18.13	124.99	14.47	124.75	14.60	120.01	15.40
5/7/2012	135.08	14.00	125.72	4.14	124.22	5.33	126.52	11.80	124.12	11.31	123.69	11.50	137.88	23.80	145.77	17.15	145.25	16.45	127.93	20.50	125.05	7.47	125.31	18.10	<121.81	--	124.35	15.00	120.09	15.32
11/5/2012	134.32	14.76	125.08	4.78	122.74	6.81	125.63	12.69	122.60	12.83	122.47	12.72	137.40	24.28	145.20	17.72	144.72	16.98	129.59	18.84	124.54	7.98	124.77	18.64	123.71	15.75	123.56	15.79	118.80	16.61
5/13/2013	134.53	14.55	125.80	4.06	124.30	5.25	127.42	10.90	124.10	11.33	123.63	11.56	137.27	24.41	144.64	18.28	144.52	17.18	130.81	17.62	125.03	7.49	125.27	18.14	125.30	14.16	124.76	14.59	119.89	15.52
11/11/2013	135.74	13.34	125.65	4.21	124.28	5.27	127.05	11.27	123.71	11.72	123.61	11.58	138.36	23.32	146.05	16.87	145.59	16.11	130.41	18.02	124.79	7.73	124.91	18.50	123.71	15.75	123.37	15.98	118.79	16.62
5/12-13/2014	137.34	11.74	126.05	3.81	125.44	4.11	128.63	9.69	125.53	9.90	125.02	10.17	139.62	22.06	146.31	16.61	147.60	14.10	132.37	16.06	125.19	7.33	126.53	16.88	125.36	14.10	124.94	14.41	120.09	15.32
11/17-19/2014	135.33	13.75	125.51	4.35	123.50	6.05	126.62	11.70	123.48	11.95	123.79	11.40	138.08	23.60	143.63	19.29	144.75	16.95	130.13	18.30	124.47	8.05	124.91	18.50	123.86	15.60	123.50	15.85	118.62	16.79
5/12/2015	138.35	10.73	126.64	3.22	126.48	3.07	130.30	8.02	128.06	7.37	126.54	8.65	139.96	21.72	147.46	15.46	148.97	12.73	133.50	14.93	125.74	6.78	126.96	16.45	126.84	12.62	126.13	13.22	121.76	13.65
11/9/2015	137.66	11.42	126.66	3.20	126.40	3.15	129.49	8.83	126.83	8.60	125.92	9.27	139.10	22.58	146.04	16.88	147.65	14.05	133.48	14.95	125.64	6.88	125.81	17.60	126.69	12.77	126.14	13.21	121.14	14.27
5/10/2016	138.95	10.13	126.23	3.63	125.62	3.93	129.48	8.84	126.70	8.73	125.95	9.24	140.54	21.14	146.13	16.79	147.28	14.42	131.44	16.99	125.43	7.09	126.39	17.02	125.51	13.95	125.15	14.20	120.10	15.31
11/7/2016	141.39	7.69	126.38	3.48	126.19	3.36	129.45	8.87	126.70	8.73	126.17	9.02	140.67	21.01	147.81	15.11	150.11	11.59	132.92	15.51	125.40	7.12	126.49	16.92	124.90	14.56	124.39	14.96	119.39	16.02
5/8/2017	138.10	10.98	126.27	3.59	125.66	3.89	129.11	9.21	126.51	8.92	125.62	9.57	139.13	22.55	143.44	19.48	145.37	16.33	131.82	16.61	125.41	7.11	125.69	17.72	125.44	14.02	125.10	14.25	120.19	15.22
11/6/2017	135.05	14.03	125.77	4.09	123.23	6.32	127.78	10.54	123.52	11.91	123.23	11.96	137.59	24.09	<140.77	<22.15	143.04	18.66	130.14	18.29	125.00	7.52	124.09	19.32	123.49	15.97	123.26	16.09	118.39	17.02
5/8/2018	135.06	14.02	125.99	3.87	124.54	5.01	127.41	10.91	124.39	11.04	123.78	11.41	137.27	24.41	141.22	21.70	143.29	18.41	131.24	17.19	125.12	7.39	125.12	18.29	124.37	15.09	124.33	15.02	119.19	16.22
11/13/2018	139.68	9.40	126.54	3.32	126.47	3.08	130.14	8.18	127.31	3.32	126.31	8.88	140.08	21.60	144.50	18.42	147.30	14.40	132.35	16.08	125.76	6.76	126.22	17.19	<124.27	<14.99	124.52	14.83	120.14	15.27
5/13/2019	139.07	10.01	126.18	3.68	125.70	3.85	129.21	9.11	126.30	9.13	125.74	9.45	140.56	21.12	143.94	18.98	146.35	15.35	132.29	16.14	125.27	7.25	126.89	16.52	<124.27	14.01	125.12	14.23	119.88	15.53
11/11/2019	136.23	12.85	125.89	3.97	124.53	5.02	127.82	10.50	124.63	10.80	124.34	10.85	138.28	23.40	141.07	21.85	143.10	18.60	130.53	17.90	125.02	7.50	124.86	18.55	124.06	15.40	123.80	15.55	118.82	16.59
5/19/2020	138.17	10.91	126.45	3.41	125.81	3.74	129.20	9.12	126.01	9.42	125.71	9.48	139.75	21.93	144.48	18.44	145.55	16.15	132.06	16.37	125.40	7.12	126.35	17.06	125.36	14.10	124.90	14.45	119.75	15.66
11/9/2020	136.95	12.13	126.15	3.71	124.81	4.74	128.45	9.87	126.15	10.43	124.84	10.35	139.36	22.32	<140.77	>18.45	144.83	16.87	131.13	17.30	125.25	7.27	125.52	17.89	<124.27	>14.10	124.49	14.86	119.30	16.11
5/18/2021	135.90	13.18	126.12	3.74	125.37	4.18	129.36	8.96	126.05	9.38	125.77	9.42	140.84	20.84	<140.77	>18.45	145.89	15.81	131.27	17.16	125.07	7.45	126.61	16.80	<124.27	>14.10	124.46	14.89	119.52	15.89
11/8/2021	136.00																													

TABLE 2
Summary of Estimated Horizontal Flow Velocities
Sampson County Active MSW/C&D Landfill, Permit No. 82-02
Sampson County, North Carolina

May 2022							
Gradient Calculation Segment	Flow Direction	Gradient Segment Length (feet)	Hydraulic Conductivity (K, feet/year)	Horizontal Gradient (i, feet)	Effective Porosity (n _e)	Hydraulic Conductivity (K, cm/sec)	Velocity (V _{gw} , feet/year)
<i>i</i> ₁	NE	610	130 ----- 120	0.0164	0.25	0.01295	878.60
<i>i</i> ₂	NE	290	140 ----- 135	0.0172	0.25	0.01295	924.05
<i>i</i> ₃	NE	1677	140 ----- 125	0.0089	0.25	0.01295	479.38

Notes:

1. Horizontal velocities based on the modified Darcy equation $V_{gw} = Ki/n_e$.
2. Values for K and n_e were based on mean values for MW-104, MW-106, MW-107S, MW-107D and MW-108 referenced in the December 1999 G.N. Richardson and Associates, Inc. *Water Quality and Leachate Monitoring Report*.

TABLE 3

**Summary of Well Construction Information
Sampson County Active MSW/C&D Landfill, Permit No. 82-02
Sampson County, North Carolina**

Well Identification	Northing	Easting	Construction Date	Ground Surface Elevation (ft AMSL)	Top of Casing Elevation (ft AMSL)	Well Depth (feet)	Well Diameter (inches)	Screened Interval (ft bgs)	Screened Interval (ft AMSL)	Geology of Screened Interval	Well Status
MW-100B	446881.50	2161983.42	4/14/2010	157.27	160.30	35	2	25-35	132.27-122.27	Sand/Silt	Active
MW-102A	448225.98	2159230.55	9/15/2003	--	162.92	20	2	5-20	157.92-142.92	Sand/Clay	Active
MW-103A	447029.28	2159719.61	9/16/2003	--	161.70	20	2	5-20	156.70-141.70	Clay	Active
MW-104	449816.45	2162418.65	--	--	148.43	20	2	10-20	138.43-128.43	--	Active
MW-105A	448119.79	2163946.35	1/30/2007	129.89	132.52	20	2	8-18	121.89-111.89	Sandy/Clay	Active
MW-106	449849.25	2163520.87	11/1/1999	--	143.41	20	2	5-20	138.41-123.41	--	Active
MW-107S	449277.51	2163653.85	11/1/1999	--	139.46	15	2	5-15	134.46-124.46	--	Active
MW-107D	449322.35	2163623.42	11/1/1999	--	139.35	30	2	15-25	124.35-114.35	--	Water Levels
MW-108	448660.92	2164058.43	10/29/1999	--	135.41	25	2	15-25	120.41-110.41	--	Active
MW-1N	446776.69	2163484.24	7/25/1996	148.08	149.08	23	2	7.1-22.1	140.98-125.98	--	Active (C&D)
MW-2N	447798.67	2163861.27	7/26/1996	130.14	129.86	19.5	2	3-18	127.14-112.14	--	Active (C&D)
MW-3N	447777.94	2164462.97	7/24/1996	128.36	129.55	22.65	2	6-21	122.36-107.36	--	Active (C&D)
MW-4N	447010.66	2164647.47	7/26/2000	135.49	138.32	20	2	5-20	130.49-115.49	Sand	Active (C&D)
MW-5AN	446449.12	2164831.01	7/26/2000	132.41	135.43	20	2	5-20	127.41-112.41	Sand	Active (C&D)
MW-5BN	446434.33	2164844.62	7/26/2000	132.71	135.19	23	2	35-45	97.71-87.71	Sand	Active (C&D)

Notes:

1. ft AMSL= feet above mean sea level
2. ft BGS= feet below ground surface
3. -- = no data available
4. Well depths based on field measurements taken during the May 2007 monitoring event for MW-104 and MW-108.
5. Well depths for all other wells based on well construction information provided by G.N. Richardson & Associates, Inc.
6. Top of casing elevation for MW-100B was modified and re-surveyed in May 2012.

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks		
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108	
Antimony NC 2L = 1 ug/L EPA MCL = 6 ug/L	ug/L	01/11/00	--	--	10	14	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	02/21/00	--	--	10	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	10	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--	
	ug/L	10/10/00	--	--	30	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	07/12/01	--	--	30	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	10/24/01	--	--	30	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/28/02	--	--	30	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/05/02	--	--	30	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/29/03	--	--	30	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/05/03	--	--	30	ND	--	--	ND	ND	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	30	ND	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	
	ug/L	11/23/04	--	--	30	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/16/05	--	--	30	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/25/05	--	--	30	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/24/06	--	--	30	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/20/06	--	--	30	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/22/07	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	--	
	ug/L	11/13/07	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	05/29/08	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	11/17/08	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	05/26/09	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	11/10/09	--	--	6	ND	ND	--	ND	0.104	B	0.181	B	ND	ND	ND	0.142	B	--	0.0770
	ug/L	05/26/10	--	--	6	ND	ND	--	ND	ND	0.360	J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	11/15/10	--	--	6	ND	ND	--	ND	ND	0.309	J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/09/11	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	11/14/11	--	--	6	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/07/12	--	--	6	ND	ND	0.270	J	ND	0.814	J	ND	ND	Dry	ND	0.290	J	--	ND
	ug/L	11/05/12	--	--	6	ND	ND	ND	ND	ND	0.612	J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/13/13	--	--	6	ND	ND	ND	ND	ND	0.358	J	ND	ND	ND	ND	ND	--	--	ND
	ug/L	11/11/13	--	--	6	ND	ND	0.427	J	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/12/14	--	--	6	ND	ND	0.253	J	ND	ND	ND	ND	0.253	J	ND	ND	--	--	ND
	ug/L	11/17/14	0.22	--	6	ND	ND	0.415	J	0.232	J	0.695	J	ND	ND	ND	ND	0.380	J	ND
	ug/L	05/12/15	0.22	--	6	ND	ND	ND	ND	0.848	J	ND	ND	0.650	J	ND	ND	3.21	J	0.291
ug/L	11/09/15	0.22	--	6	ND	ND	ND	ND	0.868	J	ND	ND	ND	ND	ND	ND	6.84	J	ND	
ug/L	05/10/16	0.22	--	6	ND	ND	0.306	J	0.272	J	0.505	J	ND	ND	0.363	J	2.84	J	ND	
ug/L	11/07/16	0.22	--	6	ND	ND	ND	ND	0.804	J	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/09/17	0.22	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	11/06/17	0.37	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/11/18	0.37	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/09/18	0.37	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	11/15/18	1.85	5.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/15/19	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	11/11/19	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/19/20	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	11/10/20	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/18/21	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	07/14/21	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	11/08/21	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	01/25/22	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
ug/L	05/10/22	0.74	2.0	--	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	J	ND	
Arsenic NC 2L = 10 ug/L EPA MCL = 10 ug/L	ug/L	01/11/00	--	--	5	7.2	--	--	--	--	10.1	--	8.04	ND	--	ND	--	--	--	
	ug/L	02/21/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	10	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	10/10/00	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	07/12/01	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	10/24/01	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/28/02	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/05/02	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/29/03	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/05/03	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/25/04	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/23/04	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/16/05	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/25/05	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/24/06	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/20/06	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	2.6	B	ND	3.6	B	ND	--	--	--	
	ug/L	11/13/07	--	--	10	ND	5.7	B	3.3	B	6.2	B	2.0	4.6	B	5.0	B	5.4	B	4.1
	ug/L	05/29/08	--	--	10	ND	ND	--	2.3	B	12.1	B	4.6	B	ND	2.0	B	2.5	B	ND
	ug/L	11/17/08	--	--	10	ND	ND	--	2.8	J	6.5	J	ND	ND	5.4	J	ND	ND	ND	ND
	ug/L	05/26/09	--	--	10	ND	ND	--	ND	ND	8.7	J	ND	ND	8.7	J	4.8	J	4.1	J
	ug/L	11/10/09	--	--	10	ND	4.02	J	ND	ND	15.3	J	ND	ND	17.3	J	7.46	J	4.01	J
	ug/L	01/18/10	--	--	10	ND	ND	--	ND	ND	ND	ND	ND	ND	21.7	J	ND	ND	ND	ND
	ug/L	05/26/10	--	--	10	ND	ND	--	ND	ND	11.6	J	ND	ND	12.4	J	7.20	J	4.31	J
	ug/L	11/15/10	--	--	10	ND	ND	--	ND	ND	10.8	B	ND	ND	17.5	B	8.64	B	3.04	B
	ug/L	05/09/11	--	--	10	ND	ND	--	ND	ND	ND	ND	ND	ND	16.7	J	10.1	J	8.31	J
	ug/L	11/14/11	--	--	10	ND	ND	--	3.14	J	9.14	J	3.71	J	ND	19.5	J	13.0	J	6.37
	ug/L	01/17/12	--	--	10	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	01/17/12	--	--	10	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/07/12	--	--	10															

TABLE 4
 Summary of Groundwater Monitoring Results for MSW Wells
 Detected Constituents
 Sampson County Active MSW Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks		
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108	
Beryllium NC 2L = 4 ug/L EPA MCL = 4 ug/L (Dissolved)	ug/L	01/11/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	02/21/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	5	ND	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--	
	ug/L	10/10/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	07/12/01	--	--	2	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	10/24/01	--	--	2	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/28/02	--	--	2	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/05/02	--	--	2	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/29/03	--	--	2	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/05/03	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/25/04	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/23/04	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/16/05	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/25/05	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/24/06	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/20/06	--	--	2	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/22/07	--	--	1	ND	--	--	ND	ND	ND	ND	1.5	ND	ND	ND	--	--	--	
	ug/L	11/13/07	--	--	1	ND	--	--	ND	ND	ND	ND	1.40	ND	ND	ND	--	--	--	
	ug/L	05/29/08	--	--	1	ND	--	--	ND	ND	0.70	J	ND	ND	1.00	ND	ND	--	--	
	ug/L	11/17/08	--	--	1	ND	--	--	ND	ND	0.40	J	ND	ND	1.60	0.20	J	ND	--	
	ug/L	05/26/09	--	--	1	ND	0.14	J	ND	ND	0.10	J	ND	ND	1.95	0.49	J	0.33	J	
	ug/L	11/10/09	--	--	1	ND	ND	--	ND	ND	1.07	J	ND	0.108	J	5.47	0.839	J	0.227	J
	ug/L	01/18/10	--	--	1	ND	--	--	ND	ND	--	--	--	--	4.64	--	--	--	--	
	ug/L	01/18/10	--	--	1	ND	--	--	ND	ND	--	--	--	--	3.62	--	--	--	--	
	ug/L	05/26/10	--	--	1	ND	--	--	ND	ND	1.11	J	0.229	J	2.77	1.14	0.583	J	--	
	ug/L	11/15/10	--	--	1	ND	--	--	ND	ND	0.887	B	0.385	B	ND	1.29	0.280	B	--	
	ug/L	05/09/11	--	--	1	ND	--	--	ND	ND	0.185	J	0.104	J	0.227	J	3.63	1.21	0.357	J
	ug/L	11/14/11	--	--	1	ND	--	--	ND	ND	0.560	J	ND	0.134	J	4.04	1.60	0.413	J	
	ug/L	05/07/12	--	--	1	ND	--	--	ND	ND	0.538	J	ND	0.657	J	Dry	1.58	0.333	J	
	ug/L	11/03/12	--	--	1	ND	--	--	ND	ND	0.450	J	0.113	J	0.287	J	5.32	0.303	J	
	ug/L	05/13/13	--	--	1	ND	--	--	ND	ND	0.392	J	ND	J	0.790	J	--	0.240	J	
	ug/L	11/11/13	--	--	1	ND	--	--	ND	ND	0.462	J	0.113	J	0.247	J	2.78	--	0.445	J
	ug/L	05/12/14	--	--	1	ND	--	--	ND	ND	0.214	J	0.106	J	ND	0.142	J	--	0.482	J
ug/L	11/17/14	0.10	--	1	ND	--	--	ND	ND	0.336	J	0.199	J	0.280	J	1.96	--	0.777	J	
ug/L	05/12/15	0.10	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	0.403	J	
ug/L	11/09/15	0.10	--	1	ND	--	--	ND	ND	0.159	J	ND	ND	0.482	J	--	--	0.936	J	
ug/L	05/10/16	0.10	--	1	ND	--	--	ND	ND	0.104	J	ND	ND	1.03	--	--	--	1.04	J	
ug/L	11/07/16	0.10	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	2.00	--	--	--	0.615	J	
ug/L	05/09/17	0.10	--	1	ND	--	--	ND	ND	0.363	J	ND	0.137	J	--	--	--	0.646	J	
ug/L	11/06/17	0.13	--	1	ND	--	--	ND	ND	--	--	--	--	--	--	--	--	0.906	J	
ug/L	01/11/18	0.13	--	1	ND	--	--	ND	ND	--	--	--	--	--	--	--	--	0.199	J	
ug/L	05/09/18	0.13	--	1	ND	--	--	ND	ND	0.131	J	ND	0.186	J	0.566	J	--	0.482	J	
ug/L	11/15/18	0.16	1.0	--	ND	--	--	ND	ND	0.391	J	ND	ND	1.92	--	--	--	0.875	J	
ug/L	05/15/19	0.16	1.0	--	0.171	J	ND	ND	ND	ND	ND	ND	ND	0.469	J	--	--	0.977	J	
ug/L	11/11/19	0.16	1.0	--	ND	--	--	ND	ND	0.537	J	ND	ND	4.43	--	--	--	1.62	J	
ug/L	01/06/20	0.16	1.0	--	--	--	--	--	--	--	--	--	--	0.889	J	--	--	--	J	
ug/L	05/19/20	0.16	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.935	J	--	--	--	J	
ug/L	11/10/20	0.16	1.0	--	0.163	J	ND	ND	ND	0.399	J	ND	ND	1.54	--	--	--	0.550	J	
ug/L	05/18/21	0.16	1.0	--	0.402	J	ND	ND	ND	0.229	J	0.165	J	ND	--	--	--	0.589	J	
ug/L	07/14/21	0.16	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	J	
ug/L	11/08/21	0.16	1.0	--	--	--	--	0.213	J	0.342	J	ND	ND	--	--	2.24	--	0.544	J	
ug/L	01/25/22	0.16	1.0	--	--	--	--	--	--	--	--	--	--	1.01	--	--	--	--	J	
ug/L	05/10/22	0.16	1.0	--	--	--	--	0.217	J	ND	ND	ND	ND	--	--	--	--	0.306	J	
Cadmium NC 2L = 2 ug/L EPA MCL = 5 ug/L	ug/L	01/11/00	--	--	5	ND	--	--	--	--	ND	--	6.38	ND	--	ND	--	--	--	
	ug/L	02/21/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	10/10/00	--	--	1	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	07/12/01	--	--	1	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	10/24/01	--	--	1	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/28/02	--	--	1	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/05/02	--	--	1	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	05/29/03	--	--	1	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/05/03	--	--	1	ND	--	--	ND	ND	2	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	1	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/23/04	--	--	1	5	--	--	ND	ND	ND	--	ND	2	--	ND	--	--	--	
	ug/L	05/16/05	--	--	1	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--	
	ug/L	11/25/05	--	--	1	ND	--	--	ND	ND	ND	--	ND	2	--	ND	--	--	--	
	ug/L	05/24/06	--	--	1	ND	--	--	ND	ND	ND	--	ND	1	--	ND	--	--	--	
	ug/L	11/20/06	--	--	1	ND	--	--	ND	ND	ND	--	ND	4	--	ND	--	--	--	
	ug/L	05/22/07	--	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	11/13/07	--	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	05/29/08	--	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	11/17/08	--	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	
	ug/L	05/26/09	--	--	1	ND	--	--	ND	ND	0.39	J	0.09	J	0.75	J	0.84	J	0.14	J
	ug/L	11/10/09	--	--	1	ND	--	--	ND	ND	0.790	J	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	1	ND	--	--	ND	ND	1.17	J	ND	ND	1.66	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	1	ND	--	--	ND	ND	0.973	J	ND	ND	1.56	0.467	J	ND	ND	
	ug/L	05/09/11	--	--	1	ND	--	--	ND	ND	ND	ND	ND	ND	1.84	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	1	0.490	J	ND	ND	ND	0.782	J	0.405	J	ND	2.81	1.02	0.407	J	
	ug/L	05/07/12	--	--	1	ND	--	--	ND	ND	0.701	J								

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks							
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108						
Nickel NC 2L = 100 ug/L No EPA MCL	ug/L	01/11/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--						
	ug/L	02/21/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
	ug/L	02/22/00	--	--	5	ND	--	--	--	--	--	--	--	ND	--	ND	--	--	--	--					
	ug/L	10/10/00	--	--	50	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	07/12/01	--	--	50	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	10/24/01	--	--	50	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	05/28/02	--	--	50	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	11/05/02	--	--	50	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	05/29/03	--	--	50	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	11/05/03	--	--	50	ND	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--				
	ug/L	05/25/04	--	--	50	ND	--	--	ND	ND	ND	--	ND	86	--	ND	--	--	--	--	--				
	ug/L	11/23/04	--	--	50	ND	--	--	ND	ND	ND	--	ND	107	--	ND	--	--	--	--	--				
	ug/L	05/16/05	--	--	50	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--				
	ug/L	11/25/05	--	--	50	--	--	--	ND	ND	ND	--	ND	61	--	ND	--	--	--	--	ND				
	ug/L	05/24/06	--	--	50	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	ND				
	ug/L	11/20/06	--	--	50	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	ND				
	ug/L	05/22/07	--	--	50	--	ND	--	ND	2.2	J	15.4	J	ND	ND	74.6	--	3.9	J	--	--	ND			
	ug/L	11/13/07	--	--	50	--	ND	--	ND	ND	ND	7.8	J	8.2	J	8.7	J	49.4	J	10.4	J	8.3	J		
	ug/L	05/29/08	--	--	50	--	ND	--	ND	ND	ND	37.1	J	4.3	J	ND	J	27.6	J	9.1	J	19.9	J		
	ug/L	11/17/08	--	--	50	--	ND	--	2.8	B	2.2	B	17.6	J	5.7	B	ND	64.9	J	11.8	B	20.9	J		
	ug/L	05/26/09	--	--	50	--	2.4	B	1.9	B	7.2	J	31.3	J	3.4	B	1.5	B	71.7	J	18.1	J	12.4	J	
	ug/L	11/10/09	--	--	50	--	ND	--	4.16	J	2.37	J	26.0	J	ND	ND	ND	139	J	26.7	J	9.78	J		
	ug/L	01/18/10	--	--	50	--	--	--	--	--	--	--	--	--	--	75.3	--	--	--	--	--	--	--		
	ug/L	01/18/10	--	--	50	--	--	--	--	--	--	--	--	--	--	74.6	--	--	--	--	--	--	--		
	ug/L	05/28/10	--	--	50	--	--	ND	ND	ND	ND	49.0	J	ND	ND	ND	98.3	31.8	J	17.6	J	--	--		
	ug/L	11/15/10	--	--	50	--	--	ND	2.09	J	ND	31.4	J	7.49	J	ND	110	43.3	J	14.7	J	--	--		
	ug/L	05/09/11	--	--	50	--	--	ND	2.77	J	4.54	J	7.57	J	2.61	J	2.22	J	82.3	46.3	J	28.8	J		
	ug/L	11/14/11	--	--	50	--	2.86	J	3.80	J	5.27	J	13.4	J	4.55	J	2.91	J	89.1	51.8	25.0	J	--		
	ug/L	05/07/12	--	--	50	--	ND	--	8.30	J	3.30	J	7.05	J	2.55	J	15.8	J	Dry	53.3	19.8	J	--		
	ug/L	11/03/12	--	--	50	--	ND	--	2.05	J	3.89	J	10.2	J	2.65	J	3.07	J	105	20.9	J	--	--		
	ug/L	05/13/13	--	--	50	--	ND	--	8.13	J	6.65	J	9.46	J	2.29	J	2.61	J	24.1	J	--	16.9	J	2.92	J
	ug/L	11/11/13	--	--	50	--	ND	--	2.42	J	3.45	J	14.5	J	3.63	J	3.98	J	69.5	J	--	29.0	J	3.50	J
	ug/L	05/12/14	--	--	50	--	ND	--	4.34	J	3.06	J	5.98	J	1.86	J	ND	3.05	J	--	32.0	J	2.49	J	
	ug/L	11/17/14	1.8	--	50	--	ND	--	3.32	J	2.05	J	8.04	J	2.73	J	2.48	J	54.4	--	20.0	J	3.22	J	
	ug/L	05/12/15	1.8	--	50	--	ND	--	8.15	B	3.98	B	6.92	B	2.63	B	1.98	B	6.67	B	--	11.2	J	17.0	J
ug/L	11/09/15	1.8	--	50	--	ND	--	4.36	J	5.25	J	7.25	J	3.69	J	2.46	J	15.5	J	--	20.2	J	23.3	J	
ug/L	05/10/16	1.8	--	50	--	ND	--	5.97	J	7.36	J	9.98	J	ND	ND	ND	62.1	--	33.6	J	37.1	J	ND	ND	
ug/L	11/07/16	2.2	--	50	--	ND	--	12.5	J	42.7	J	4.45	J	ND	ND	ND	86.2	--	22.6	J	4.44	J	4.86	J	
ug/L	05/09/17	2.2	--	50	--	ND	--	ND	ND	14.1	J	3.50	J	ND	2.31	J	52.6	--	11.9	J	40.1	J	ND	ND	
ug/L	11/06/17	2.2	--	50	--	2.51	J	--	--	ND	16.6	J	2.88	B	13.4	J	--	81.1	--	20.9	J	--	--	2.23	J
ug/L	05/09/18	2.2	--	50	--	ND	--	ND	--	--	4.10	J	ND	ND	4.26	J	14.3	J	--	10.5	J	ND	ND	ND	ND
ug/L	11/15/18	2.2	10	--	--	4.50	J	16.2	J	5.34	J	15.3	J	ND	2.46	J	43.7	--	--	--	14.6	2.41	J	ND	ND
ug/L	05/15/19	2.2	10	--	--	ND	--	9.27	J	6.24	J	7.61	J	2.29	J	3.24	J	14.4	--	20.7	2.39	J	5.09	J	ND
ug/L	11/11/19	2.2	10	--	--	ND	--	ND	--	ND	18.7	J	2.38	J	ND	75.8	--	--	--	32.1	2.64	J	2.84	J	ND
ug/L	05/19/20	2.2	10	--	--	2.82	J	ND	ND	ND	6.99	J	ND	ND	22.9	--	--	--	12.3	2.80	J	ND	ND	ND	
ug/L	11/10/20	2.2	10	--	--	ND	--	9.25	J	ND	16.6	J	ND	ND	41.3	--	--	--	14.1	4.76	J	--	--	ND	
ug/L	05/18/21	2.2	10	--	--	4.70	J	ND	ND	4.58	J	10.0	J	ND	ND	58.3	--	--	15.7	2.77	J	--	--	ND	
ug/L	07/14/21	2.2	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
ug/L	11/08/21	2.2	10	--	--	ND	--	--	--	4.25	J	14.7	J	ND	ND	--	--	--	52.8	14.2	2.43	J	ND	ND	ND
ug/L	01/25/22	2.2	10	--	--	--	--	--	--	--	--	--	--	--	11.0	--	--	--	--	--	--	--	--	--	ND
ug/L	05/10/22	2.2	10	--	--	ND	--	--	--	--	4.08	J	ND	3.13	J	--	--	--	--	--	--	--	--	--	ND
Selenium NC 2L = 20 ug/L EPA MCL = 50 ug/L	ug/L	01/11/00	--	--	5	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	02/21/00	--	--	5	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/22/00	--	--	5	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	10/10/00	--	--	20	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	07/12/01	--	--	20	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	10/24/01	--	--	20	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	05/28/02	--	--	20	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	11/05/02	--	--	20	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	05/29/03	--	--	20	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	--	--	--	--		
	ug/L	11/05/03	--	--	20	ND	ND	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/25/04	--	--	20	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--	--		
	ug/L	11/23/04	--	--	20	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--	--		
	ug/L	05/16/05	--	--	20	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--	--		
	ug/L	11/25/05	--	--	20	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--	--		
	ug/L	05/24/06	--	--	20	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--	--		
	ug/L	11/20/06	--	--	20	--	--	--	ND	ND	ND	ND	--	ND	ND	--	ND	--	--	--	--	--	--		
	ug/L	05/22/07	--	--	10	--	ND	--	ND	ND	ND														

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks	
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108
Thallium NC 2L = 2 ug/L EPA MCL = 2 ug/L	ug/L	01/11/00	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	10	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	10	ND	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
	ug/L	10/10/00	--	--	10	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	07/12/01	--	--	10	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	10/24/01	--	--	10	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	05/28/02	--	--	10	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	11/05/02	--	--	10	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	05/29/03	--	--	10	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	11/05/03	--	--	10	ND	--	--	ND	ND	ND	--	--	--	--	--	--	--	--
	ug/L	05/25/04	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	11/23/04	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	05/16/05	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	11/25/05	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	05/24/06	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	11/20/06	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	--
	ug/L	05/22/07	--	--	5.5	--	0.108	J	--	ND	ND	ND	ND	0.07	J	--	--	--	--
	ug/L	11/13/07	--	--	5.5	--	0.093	J	--	ND	ND	ND	ND	ND	ND	ND	J	--	--
	ug/L	05/29/08	--	--	5.5	--	0.090	J	--	ND	ND	ND	ND	ND	ND	ND	0.066	J	--
	ug/L	11/17/08	--	--	5.5	--	0.070	J	--	ND	ND	ND	ND	0.045	J	0.041	J	ND	--
	ug/L	05/26/09	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	11/10/09	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	2.31	J	ND	ND	--	--
	ug/L	05/26/10	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	11/15/10	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	05/09/11	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	11/14/11	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	05/07/12	--	--	5.5	--	0.115	J	ND	0.150	J	ND	ND	ND	Dry	ND	0.146	J	--
	ug/L	11/05/12	--	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	05/13/13	--	--	5.5	--	0.121	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	11/11/13	--	--	5.5	--	0.147	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	05/12/14	--	--	5.5	--	0.202	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	11/17/14	0.11	--	5.5	--	0.155	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
	ug/L	05/12/15	0.11	--	5.5	--	0.130	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.189	J
ug/L	11/09/15	0.11	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/16	0.11	--	5.5	--	0.165	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/07/16	0.11	--	5.5	--	0.255	J	ND	ND	ND	0.116	J	ND	ND	ND	ND	0.152	J	
ug/L	05/09/17	0.11	--	5.5	--	0.347	J	ND	ND	ND	0.115	J	ND	ND	ND	ND	0.162	J	
ug/L	11/06/17	0.11	--	5.5	--	0.562	J	--	0.150	J	2.16	J	0.223	J	0.225	J	2.75	J	
ug/L	01/11/18	0.11	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.800	J	
ug/L	05/09/18	0.55	--	5.5	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.55	5.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.22	2.0	--	--	0.300	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.22	2.0	--	--	0.299	J	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.22	2.0	--	--	0.225	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.22	2.0	--	--	0.101	J	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.22	2.0	--	--	0.271	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	07/14/21	0.22	2.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.22	2.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	01/25/22	0.22	2.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.22	2.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vanadium NC 2L = 7 ug/L No EPA MCL	ug/L	01/11/00	--	--	5	5.71	--	--	--	--	ND	--	ND	5.08	--	12	--	--	
	ug/L	02/21/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	10/10/00	--	--	40	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	ug/L	07/12/01	--	--	40	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	ug/L	10/24/01	--	--	40	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	ug/L	05/28/02	--	--	40	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	ug/L	11/05/02	--	--	40	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	ug/L	05/29/03	--	--	40	ND	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	ug/L	11/05/03	--	--	40	ND	--	--	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	40	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	
	ug/L	11/23/04	--	--	40	ND	--	--	0.059	ND	ND	--	ND	ND	ND	ND	--	--	
	ug/L	05/16/05	--	--	40	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	
	ug/L	11/25/05	--	--	40	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	
	ug/L	05/24/06	--	--	40	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	
	ug/L	11/20/06	--	--	40	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	
	ug/L	05/22/07	--	--	25	--	ND	--	ND	ND	ND	ND	ND	ND	ND	6.5	J	--	
	ug/L	11/13/07	--	--	25	--	4.6	J	--	ND	ND	ND	ND	ND	ND	6.4	J	--	
	ug/L	05/29/08	--	--	25	--	3.0	B	--	ND	ND	6.7	J	ND	ND	ND	ND	--	
	ug/L	11/17/08	--	--	25	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	33.3	--	
	ug/L	02/17/09	--	--	25	--	--	--	--	--	--	--	--	--	--	--	14.3	J	
	ug/L	05/26/09	--	--	25	--	4.1	J	--	0.7	J	1.3	J	7.5	J	4.0	J	0.7	J
	ug/L	11/10/09	--	--	25	--	2.33	J	--	3.59	J	ND	ND	ND	ND	8.07	J	ND	18.0
	ug/L	05/26/10	--	--	25	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.63	J
	ug/L	11/15/10	--	--	25	--	ND	--	ND	ND	ND	1.44	J	ND	ND	7.07	J	ND	7.49
	ug/L	05/09/11	--	--	25	--	ND	--	ND	ND	ND	6.74	J	ND	3.14	J	ND	1.53	J
	ug/L	11/14/11	--	--	25	--	ND	--	ND	ND	ND	6.74	J	ND	ND	ND	21.2	J	--
	ug/L	01/17/12	--	--	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	01/17/12	--	--	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	(Verification Event)	ug/L	05/07/12	--	--	25	--	--	ND	3.49	J	ND	ND	ND	12.6	J	Dry	ND	2.83
	(Dissolved)	ug/L	07/11/12	--	--	25	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	11/05/12	--	--	25	--	ND	--	ND	ND	ND	1.52	J	1.82	J	ND	ND	ND	ND
	ug/L	05/13/13	--																

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks	
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108
Acetone NC 2L = 6000 ug/L No EPA MCL	ug/L	01/11/00	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	10	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	10	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	100	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	100	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	100	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	100	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	100	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	100	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	100	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	100	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	100	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	100	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	100	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	100	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	100	--	--	--	ND	ND	ND	--	ND	ND	--	204	--	--	--
	ug/L	02/28/07	--	--	100	--	--	--	ND	1.7	1.6	B	3.2	B	9.7	B	--	--	--
	ug/L	05/22/07	--	--	100	--	ND	--	ND	ND	ND	B	ND	ND	ND	ND	--	--	6.6
	ug/L	11/13/07	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/29/08	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	2.9
	ug/L	11/17/08	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	23	B	--	9.8
	ug/L	05/26/09	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	9.8
	ug/L	11/10/09	--	--	100	--	ND	--	ND	ND	ND	ND	ND	2.8	J	ND	ND	--	ND
	ug/L	05/26/10	--	--	100	--	ND	--	ND	ND	ND	ND	ND	7.0	J	ND	5.2	J	ND
	ug/L	11/15/10	--	--	100	--	ND	--	ND	ND	ND	ND	4.6	B	ND	ND	ND	--	9.2
	ug/L	05/09/11	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	11/14/11	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	05/07/12	--	--	100	--	ND	--	ND	ND	ND	ND	ND	Dry	ND	ND	ND	--	ND
	ug/L	11/05/12	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	1.2	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ug/L	05/12/15	1.2	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	9.7	J	ND	
ug/L	11/09/15	1.2	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	3.7	J	ND	
ug/L	05/10/16	1.2	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/07/16	10	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	10	--	100	--	ND	--	ND	22	B	ND	ND	ND	ND	ND	ND	ND	18	
ug/L	11/06/17	10	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	01/11/18	10	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	10	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	11	J	ND	ND	
ug/L	05/19/20	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	07/14/21	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	
ug/L	01/25/22	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	10	--	20	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene NC 2L = 1 ug/L EPA MCL = 5 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	5	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	1	--	ND	--	ND	ND	ND	ND	ND	3.8	--	ND	--	--	ND
	ug/L	08/07/07	--	--	1	--	--	--	--	--	--	--	--	2.3	--	--	--	--	ND
	ug/L	11/13/07	--	--	1	--	ND	--	ND	ND	ND	ND	ND	0.73	J	ND	ND	--	ND
	ug/L	05/29/08	--	--	1	--	ND	--	ND	ND	ND	ND	ND	0.95	J	0.80	J	ND	ND
	ug/L	11/17/08	--	--	1	--	ND	--	ND	ND	ND	ND	ND	0.79	J	0.79	J	ND	ND
	ug/L	05/26/09	--	--	1	--	ND	--	ND	ND	ND	ND	ND	0.61	J	0.82	J	ND	ND
	ug/L	11/10/09	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	05/26/10	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	0.47	J	ND	--	ND
	ug/L	11/15/10	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	05/09/11	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	11/14/11	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	05/07/12	--	--	1	--	ND	--	ND	ND	ND	ND	ND	Dry	ND	ND	ND	--	ND
	ug/L	11/05/12	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	1	--	ND	--	ND	ND	ND								

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks	
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108
Chlorobenzene NC 2L = 50 ug/L EPA MCL = 100 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	5	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	J	ND	--	--	ND
	ug/L	11/13/07	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/29/08	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/17/08	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/26/09	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/10/09	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/26/10	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/15/10	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/09/11	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/14/11	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/07/12	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	Dry	ND	--	--	ND
	ug/L	11/05/12	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/13/13	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/11/13	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/12/14	--	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/17/14	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/12/15	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/09/15	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/10/16	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
ug/L	11/07/16	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	05/09/17	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	11/06/17	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	01/11/18	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	05/09/18	0.17	--	3	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	11/15/18	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	05/15/19	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	11/11/19	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	05/19/20	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	11/10/20	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	05/18/21	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	07/14/21	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	11/08/21	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	01/25/22	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
ug/L	05/10/22	0.17	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND	
Chloroform NC 2L = 70 ug/L EPA MCL = 80 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	5	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/13/07	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/29/08	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/17/08	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/26/09	--	--	5	--	ND	0.68	J	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/10/09	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/26/10	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/15/10	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/09/11	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/14/11	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/07/12	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	Dry	ND	--	--	ND
	ug/L	11/05/12	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/13/13	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/11/13	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/12/14	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/17/14	0.18	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	05/12/15	0.18	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	--	ND
	ug/L	11/09/15	0.18	--	5	--	ND	--	ND	ND	ND	--	ND	ND	ND				

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks	
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108
cis-1,2-Dichloroethene NC 2L = 70 ug/L EPA MCL = 70 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	5	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/13/07	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/29/08	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/17/08	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/26/09	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/10/09	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/26/10	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/15/10	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/09/11	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/14/11	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/07/12	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/05/12	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/13/13	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/11/13	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/12/14	--	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/17/14	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/12/15	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
ug/L	11/09/15	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/10/16	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	11/07/16	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/09/17	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	11/06/17	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	01/11/18	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/09/18	0.15	--	5	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	11/15/18	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/15/19	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	11/11/19	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/19/20	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	11/10/20	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/18/21	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	07/14/21	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	11/08/21	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	01/25/22	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L	05/10/22	0.15	1.0	--	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
Ethylbenzene NC 2L = 600 ug/L EPA MCL = 700 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	--	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	5	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/13/07	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/29/08	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/17/08	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/26/09	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/10/09	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/26/10	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/15/10	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/09/11	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/14/11	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/07/12	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/05/12	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/13/13	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/11/13	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/12/14	--	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/17/14	0.13	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/12/15	0.13	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
ug/L	11/09/15	0.13	--	1	--	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
ug/L																			

TABLE 4
 Summary of Groundwater Monitoring Results for MSW Wells
 Detected Constituents
 Sampson County Active MSW Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks		
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108	
4-Methyl-2-pentanone IMAC = 100 ug/L EPA MCL = 5 ug/L	ug/L	01/11/00	--	--	--	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	02/21/00	--	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	--	--	
	ug/L	10/10/00	--	--	--	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	07/12/01	--	--	--	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	10/24/01	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	--	--	
	ug/L	05/28/02	--	--	--	ND	ND	--	--	--	ND	--	ND	--	--	ND	--	--	--	
	ug/L	11/05/02	--	--	--	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/29/03	--	--	--	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/05/03	--	--	--	ND	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/25/04	--	--	--	ND	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/23/04	--	--	--	ND	ND	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/16/05	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/25/05	--	--	--	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/24/06	--	--	100	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
	ug/L	11/20/06	--	--	100	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
	ug/L	05/22/07	--	--	100	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
	ug/L	11/13/07	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	05/29/08	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	
	ug/L	11/17/08	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	J	ND	
	ug/L	05/26/09	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	11/10/09	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/26/10	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	11/15/10	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/09/11	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	11/14/11	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	05/07/12	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	Dry	ND	ND	ND	--	--	ND
	ug/L	11/05/12	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/15	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/09/15	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/10/16	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ug/L	11/07/16	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/06/17	1.1	--	100	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	01/11/18	1.1	--	100	--	--	--	--	--	--	--	--	--	ND	ND	--	--	ND		
ug/L	05/09/18	1.1	--	100	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	07/14/21	1.1	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
ug/L	11/08/21	1.1	5.0	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	01/25/22	1.1	5.0	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	1.1	5.0	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene NC 2L = 0.7 ug/L EPA MCL = 5 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/00	--	--	2	--	--	--	--	--	--	--	ND	--	ND	--	--	--	--	
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	10/24/01	--	--	5	--	--	--	--	--	ND	--	ND	--	--	ND	--	--	--	
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	--	--	ND	--	--	--	
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--	
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND	
	ug/L	05/22/07	--	--	1	--	ND	--	ND	ND	ND	ND	ND	0.79	J	--	ND	--	--	
	ug/L	11/13/07	--	--	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	05/29/08	--	--	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	11/17/08	--	--	1	--	ND	ND	ND	ND	ND	ND	ND	ND	0.49	J	0.41	J	ND	
	ug/L	05/26/09	--	--	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	11/10/09	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	05/26/10	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	11/15/10	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	05/09/11	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	11/14/11	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	05/07/12	--	--	1	--	--	--	ND	ND	ND	ND	ND	Dry	ND	ND	ND	--	--	
	ug/L	11/05/12	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/13/13	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/13	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/12/14	--	--	1	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/14	0.17	--	1	--	--	--	ND	ND	ND	ND								

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks	
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108
Trichloroethene NC 2L = 3 ug/L EPA MCL = 5 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	ND	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	5	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	5	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	5	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	1	--	ND	--	ND	ND	ND	ND	0.33	J	--	ND	--	--	ND
	ug/L	11/13/07	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/29/08	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/17/08	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/26/09	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/10/09	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/26/10	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/15/10	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/09/11	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/14/11	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/07/12	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/05/12	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/13/13	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/11/13	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/12/14	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/17/14	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/12/15	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
ug/L	11/09/15	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/10/16	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	11/07/16	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/09/17	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	11/06/17	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	01/11/18	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/09/18	0.15	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	11/15/18	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/15/19	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	11/11/19	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/19/20	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	11/10/20	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/18/21	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	07/14/21	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	11/08/21	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	01/25/22	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
ug/L	05/10/22	0.15	1.0	--	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	
Vinyl chloride NC 2L = 0.03 ug/L EPA MCL = 2 ug/L	ug/L	01/11/00	--	--	2	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	02/21/00	--	--	2	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/00	--	--	2	ND	--	--	--	--	--	--	ND	ND	--	ND	--	--	--
	ug/L	10/10/00	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	07/12/01	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	10/24/01	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/28/02	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/02	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/29/03	--	--	10	ND	--	--	--	--	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/05/03	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/25/04	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/23/04	--	--	10	ND	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/16/05	--	--	10	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	11/25/05	--	--	10	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	--
	ug/L	05/24/06	--	--	10	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	11/20/06	--	--	10	--	--	--	ND	ND	ND	--	ND	ND	--	ND	--	--	ND
	ug/L	05/22/07	--	--	1	--	ND	--	ND	ND	ND	--	ND	1.6	--	ND	--	--	ND
	ug/L	08/07/07	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	11/13/07	--	--	1	--	ND	--	ND	ND	ND	ND	0.74	J	0.43	J	ND	--	--
	ug/L	05/29/08	--	--	1	--	ND	--	ND	ND	ND	ND	0.46	J	0.43	J	ND	--	--
	ug/L	11/17/08	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/26/09	--	--	1	--	ND	--	ND	ND	ND	ND	ND	0.54	J	ND	--	--	ND
	ug/L	11/10/09	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/26/10	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/15/10	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/09/11	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/14/11	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/07/12	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/05/12	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/13/13	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/11/13	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	05/12/14	--	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
	ug/L	11/17/14	0.32	--	1	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND
ug/L	05/12/15	0.32	--	1	--	ND	--	ND	ND	ND	ND								

TABLE 4
Summary of Groundwater Monitoring Results for MSW Wells
Detected Constituents
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	Blanks			
						MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D				MW-108		
1,4-Dioxane	ug/L	11/15/18	1.2	2.0	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	J	ND	
NC 2L = 3 ug/L	ug/L	05/15/19	1.2	2.0	--	--	--	--	ND	ND	ND	ND	1.7	J	--	ND	ND	2.0	J	ND	
	ug/L	11/11/19	0.8	2.0	--	--	--	ND	--	ND	ND	ND	0.85	J	--	14	ND	1.4	J	ND	
(Verification Event)	ug/L	01/06/20	0.8	2.0	--	--	--	--	--	--	--	--	--	--	--	9.7	ND	--	--	ND	
	ug/L	05/19/20	0.8	2.0	--	--	--	ND	ND	ND	ND	ND	ND	--	1.6	J	1.7	J	1.0	J	ND
	ug/L	11/10/20	0.8	2.0	--	--	--	ND	--	ND	ND	ND	ND	--	0.95	J	ND	--	--	ND	
	ug/L	05/18/21	0.8	2.0	--	--	--	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	--	--	ND	
	ug/L	07/14/21	0.8	2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	
	ug/L	11/08/21	0.8	2.0	--	--	--	--	--	ND	ND	ND	ND	--	ND	3.2	ND	ND	ND	ND	
	ug/L	01/25/22	0.8	2.0	--	--	--	--	--	--	--	--	ND	--	4.0	--	--	--	--	ND	
	ug/L	05/10/22	0.8	2.0	--	--	--	--	--	ND	ND	ND	--	--	1.2	J	ND	ND	ND	ND	

Notes:

- ug/L = micrograms per liter
- ND = Not detected at the stated reporting limit
- J = Prior to the November 2018 event, J flags are estimated values below the SWS Reporting limit. Beginning with the November 2018 event, J flags are estimated values between MDL and PQL.
- B = Blank-qualified data
- = no data available
- # = EPA Action Level
- * = EPA Secondary MCL
- Bold only = Concentration above current NC 2L Groundwater Standard
- Shaded and Bold = Concentration above current NC 2L Groundwater Standard and/or EPA MCL
- GGI = Gravity Groundwater Intercept
- Blanks = field, trip and method blanks
- SWS Reporting Limit = NCPQL or lab-specific reporting limit prior to 2007 and NCSWSL starting in 01/18/07
- EPA MCL = US Environmental Protection Agency Maximum Contaminant Level
- NC 2L = North Carolina 2L Groundwater Standard
- Site-Specific GPS = Statistically-Based Site-Specific Groundwater Protection Standard

- 1) MW-100A and MW-105A are replacement wells for MW-100 and MW-105, respectively. MW-100B replaced MW-100A prior to the May 2010 sampling event.
- 2) Data prior to 2/28/07 provided by Richardson, Smith, Gardner and Associates.
- 3) Additions to GGI-1 were not constructed by the May 2010 compliance event. Golder returned to sample GGI-1 on 6-29-10 and the sampling point was dry.
- 4) Results from laboratory re-analyses are reported in parentheses.
- 5) The following dilutions were noted for the May 2022 event: Antimony and thallium (x2) for all monitoring points

TABLE 5
Summary of Field Parameters for MSW Wells
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	
			MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D			MW-108
pH (field)	S.U.	05/28/02	4.1	--	--	--	--	4.4	--	4.6	--	--	4.5	--	--
	S.U.	11/05/02	4.3	--	--	--	--	4.5	--	4.6	4.6	--	4.7	--	--
	S.U.	05/29/03	4.4	--	--	--	--	4.3	--	3.9	4.1	--	4.6	--	--
	S.U.	11/05/03	--	--	--	4.5	4.5	--	--	--	--	--	--	--	--
	S.U.	05/24/06	--	--	--	4.9	4.5	4.4	--	4.9	4.3	--	4.8	--	--
	S.U.	11/20/06	--	--	--	4.8	4.8	4.3	--	4.8	3.6	--	4.5	--	--
	S.U.	05/22/07	--	5.55	--	4.40	4.18	3.91	4.56	4.10	3.82	--	4.40	--	--
(Verification Event)	S.U.	08/07/07	--	--	--	--	--	--	--	3.50	--	--	--	--	
S.U.	11/13/07	--	5.80	--	4.26	4.55	4.21	4.73	4.78	3.70	4.38	4.26	--	--	
(Verification Event)	S.U.	01/09/08	--	--	--	--	--	--	--	4.54	--	--	--	--	
S.U.	05/29/08	--	4.92	--	4.23	4.22	3.72	4.53	4.74	3.40	4.14	4.17	--	--	
S.U.	11/17/08	--	5.10	--	4.16	4.04	3.68	3.79	5.29	3.24	3.90	5.11	--	--	
(Verification Event)	S.U.	02/17/09	--	--	--	--	--	--	--	--	--	4.64	--	--	
S.U.	05/26/09	--	5.01	--	4.69	4.55	3.93	4.48	5.47	3.62	4.09	4.75	--	--	
(Verification Event)	S.U.	07/23/09	--	--	--	--	--	3.94	--	--	--	--	--	--	
S.U.	11/10/09	--	4.80	--	4.56	4.47	3.77	4.28	4.08	3.46	3.72	4.35	--	--	
(Verification Event)	S.U.	01/18/10	--	--	--	--	--	--	--	3.43	--	--	--	--	
S.U.	05/26/10	--	--	6.06	3.34	4.07	3.76	4.06	5.55	3.34	3.56	4.06	--	--	
S.U.	11/15/10	--	--	7.11	4.92	4.75	3.86	4.20	6.32	3.50	3.82	4.31	--	--	
(Verification Event)	S.U.	12/21/10	--	--	--	--	--	--	--	--	--	4.38	--	--	
S.U.	05/09/11	--	--	4.54	4.08	3.81	3.63	3.54	3.66	2.88	3.18	3.39	--	--	
S.U.	11/14/11	--	--	5.13	5.16	5.20	3.90	4.64	4.19	3.64	4.01	4.25	--	--	
(Verification Event)	S.U.	01/17/12	--	--	--	--	--	--	--	--	--	--	--	--	
S.U.	05/07/12	--	--	5.53	4.02	3.36	3.69	3.67	3.60	Dry	3.22	3.89	--	--	
(Verification Event)	S.U.	07/11/12	--	--	--	--	--	--	--	--	--	--	--	--	
S.U.	11/05/12	--	--	5.38	4.29	3.89	4.04	4.44	4.11	3.09	--	4.31	4.04	4.77	
(Verification Event)	S.U.	01/10/13	--	--	--	--	--	--	--	3.31	--	--	--	--	
S.U.	05/13/13	--	--	6.61	4.56	4.35	4.35	3.96	5.70	3.46	--	4.29	4.04	5.48	
S.U.	11/11/13	--	--	5.75	4.76	4.88	4.13	4.61	4.18	3.60	--	4.35	4.33	4.68	
S.U.	05/12/14	--	--	6.42	5.00	4.87	4.43	4.67	4.31	3.86	--	4.43	5.72	4.43	
S.U.	11/17/14	--	--	5.33	4.17	4.26	3.64	4.17	3.45	3.42	--	3.69	6.32	5.06	
S.U.	05/12/15	--	--	3.81	4.20	3.65	4.17	3.40	4.15	4.67	--	4.09	6.30	5.11	
S.U.	11/09/15	--	--	4.84	3.48	3.71	3.76	3.92	4.62	3.54	--	3.84	6.77	3.45	
(Verification Event)	S.U.	12/30/15	--	--	--	--	--	--	--	--	--	--	7.14	--	
S.U.	05/10/16	--	--	5.28	4.09	4.08	3.94	4.09	4.42	3.60	--	4.04	4.31	4.62	
(Verification Event)	S.U.	07/07/16	--	--	--	--	--	--	--	--	--	--	6.69	--	
S.U.	11/07/16	--	--	5.76	5.09	4.30	4.28	4.68	4.52	3.94	--	4.33	4.98	5.27	
S.U.	05/09/17	--	--	5.85	4.84	3.90	3.87	3.96	4.40	3.20	--	3.91	3.89	4.99	
(Verification Event)	S.U.	06/23/17	--	--	--	--	--	--	4.19	--	--	--	--	--	
S.U.	11/06/17	--	--	5.63	--	5.48	3.98	4.61	4.20	--	3.60	3.95	--	5.34	
(Verification Event)	S.U.	01/11/18	--	--	--	--	--	--	--	--	3.62	--	5.60	--	
S.U.	05/09/18	--	--	4.86	--	4.55	4.23	4.09	4.12	4.09	--	4.18	5.55	5.10	
S.U.	11/15/18	--	--	5.09	4.94	4.84	4.09	4.54	5.51	3.62	--	4.10	5.65	5.45	
S.U.	05/13/19	--	--	5.71	4.35	4.33	4.26	4.06	4.57	3.89	--	3.98	5.94	6.47	
S.U.	11/11/19	--	--	6.09	--	4.60	4.04	4.25	4.39	3.30	--	3.80	5.73	6.04	
(Verification Event)	S.U.	01/06/20	--	--	--	--	--	--	--	3.54	--	3.80	--	--	
S.U.	05/19/20	--	--	5.56	4.01	4.42	3.37	3.99	4.95	3.47	--	3.85	6.21	5.55	
S.U.	11/10/20	--	--	5.17	--	4.16	3.67	4.05	4.65	3.06	--	3.47	5.40	--	
S.U.	05/18/21	--	--	5.58	4.49	4.55	4.33	4.42	4.80	3.51	--	3.87	5.58	--	
S.U.	07/14/21	--	--	--	--	--	--	--	--	--	--	--	--	5.94	
S.U.	11/08/21	--	--	5.88	--	4.31	3.89	4.25	4.22	--	3.48	3.67	5.64	5.16	
(Verification Event)	S.U.	01/25/22	--	--	--	--	--	--	--	3.44	--	3.58	--	--	
S.U.	05/10/22	--	--	5.26	--	--	4.05	4.38	4.15	--	--	3.72	6.20	5.28	

TABLE 5
Summary of Field Parameters for MSW Wells
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient					Downgradient							
			MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D	MW-108	GGI Outfall 1	GGI Outfall 2
Specific Conductance (field)	uS/cm	05/28/02	160	--	--	--	--	55	--	26	--	--	38	--	--
	uS/cm	11/05/02	164	--	--	--	--	97	--	31	53	--	56	--	--
	uS/cm	05/29/03	--	--	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	11/05/03	--	--	--	54	44	--	--	--	--	--	--	--	--
	uS/cm	05/24/06	--	--	--	21	20	183	--	24	271	--	42	--	--
	uS/cm	11/20/06	--	--	--	33	25	148	--	34	1142	--	315	--	--
	uS/cm	05/22/07	--	450	--	20	11	270	300	14	685	--	161	--	--
(Verification Event)	uS/cm	08/07/07	--	--	--	--	--	--	--	--	529	--	--	--	--
	uS/cm	11/13/07	--	495	--	29	29	220	65	54	777	226	538	--	--
(Verification Event)	uS/cm	01/09/08	--	--	--	--	--	--	--	57	--	--	--	--	--
	uS/cm	05/29/08	--	213	--	39	25	660	56	44	500	169	499	--	--
	uS/cm	11/17/08	--	193	--	81	38	299	50	62	769	157	1020	--	--
(Verification Event)	uS/cm	02/17/09	--	--	--	--	--	--	--	--	--	--	524	--	--
	uS/cm	05/26/09	--	228	--	15	26	437	53	41	648	222	676	--	--
(Verification Event)	uS/cm	07/23/09	--	--	--	--	--	578	--	--	--	--	--	--	--
	uS/cm	11/10/09	--	177	--	18	27	492	75	45	1265	329	422	--	--
(Verification Event)	uS/cm	01/18/10	--	--	--	--	--	--	--	--	1057	--	--	--	--
	uS/cm	05/26/10	--	--	524	16	22	675	94	85	1123	452	508	--	--
	uS/cm	11/15/10	--	--	385	20	22	581	215	172	1346	606	590	--	--
(Verification Event)	uS/cm	11/15/10	--	--	--	--	--	--	--	--	--	--	597	--	--
	uS/cm	05/09/11	--	--	423	21	23	190	118	67	1201	709	599	--	--
	uS/cm	11/14/11	--	--	313	18	17	636	83	46	980	584	392	--	--
(Verification Event)	uS/cm	01/17/12	--	--	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	05/07/12	--	--	356	17	17	726	83	95	Dry	645	685	--	--
(Verification Event)	uS/cm	07/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	11/05/12	--	--	257	21	19	441	78	58	1339	--	508	332	123
(Verification Event)	uS/cm	01/10/13	--	--	--	--	--	--	--	--	640	--	--	--	--
	uS/cm	05/13/13	--	--	353	19	18	480	72	69	452	--	363	337	245
	uS/cm	11/11/13	--	--	473	93	83	389	194	106	1019	--	351	303	164
	uS/cm	05/12/14	--	--	1018	61	46	402	106	86	348	--	525	479	259
	uS/cm	11/17/14	--	--	493	27	24	336	115	62	866	--	547	498	261
	uS/cm	05/12/15	--	--	371	22	18	169	73	38	466	--	291	493	346
	uS/cm	11/09/15	--	--	268	23	20	188	125	44	444	--	757	1175	50
(Verification Event)	uS/cm	12/30/15	--	--	--	--	--	--	--	--	--	--	--	1465	--
	uS/cm	05/10/16	--	--	512	19	30	281	99	41	83	--	760	1010	110
(Verification Event)	uS/cm	07/07/16	--	--	--	--	--	--	--	--	--	--	--	480	--
	uS/cm	11/07/16	--	--	755	29	22	180	81	30	754	--	330	503	146
	uS/cm	05/09/17	--	--	1103	31	21	168	82	34	445	--	363	972	122
(Verification Event)	uS/cm	06/23/17	--	--	--	--	--	--	--	34	--	--	--	--	--
	uS/cm	11/06/17	--	--	399	--	23.3	342	67.9	42.8	--	814	333	--	166
(Verification Event)	uS/cm	01/11/18	--	--	--	--	--	--	--	--	--	927	--	437	--
	uS/cm	05/09/18	--	--	163	--	20.4	179	64.9	52.4	358	--	195	371	172
	uS/cm	11/15/18	--	--	422	24.1	26.9	273	80.1	39.4	767	--	422	472	198
	uS/cm	05/13/19	--	--	1180	24.8	29.9	201	73.4	28.8	555	--	437	475	475
	uS/cm	11/11/19	--	--	1242	--	18.9	349	85.6	33.7	1287	--	1483	530	388
(Verification Event)	uS/cm	01/06/20	--	--	--	--	--	--	--	--	449	--	1094	--	--
	uS/cm	05/19/20	--	--	612	26.1	22.0	134	75.2	30.8	500	--	481	462	198
	uS/cm	11/10/20	--	--	409	--	26.4	474	90.1	46.7	995	--	801	570	--
	uS/cm	05/18/21	--	--	838	21.8	35.0	178	71.3	31.3	922	--	691	479	--
	uS/cm	07/14/21	--	--	--	--	--	--	--	--	--	--	--	--	194
	uS/cm	11/08/21	--	--	699	--	19.1	284	56.6	29.0	--	759	661	398	152
(Verification Event)	uS/cm	01/25/22	--	--	--	--	--	--	--	--	368	--	798	--	--
	uS/cm	05/10/22	--	--	348	--	--	125	70.5	31.5	--	--	597	369.8	164.3

TABLE 5
Summary of Field Parameters for MSW Wells
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	
			MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D			MW-108
Temperature (field)	Celsius	05/28/02	19.00	--	--	--	--	22.00	--	20.00	--	--	20.00	--	--
	Celsius	11/05/02	18.00	--	--	--	--	21.00	--	21.00	22.00	--	21.00	--	--
	Celsius	05/29/03	18.00	--	--	--	--	18.00	--	17.00	19.00	--	19.00	--	--
	Celsius	11/05/03	--	--	--	22.00	20.00	--	--	--	--	--	--	--	--
	Celsius	05/24/06	--	--	--	17.00	22.00	21.00	--	20.00	21.00	--	25.00	--	--
	Celsius	11/20/06	--	--	--	19.00	18.00	19.00	--	19.00	20.00	--	21.00	--	--
	Celsius	05/22/07	--	22.71	--	18.84	17.90	18.11	17.22	17.16	19.88	--	21.98	--	--
(Verification Event)	Celsius	08/07/07	--	--	--	--	--	--	--	--	22.39	--	--	--	--
	Celsius	11/13/07	--	19.88	--	22.07	20.98	22.33	20.09	21.70	27.22	22.71	23.85	--	--
(Verification Event)	Celsius	01/09/08	--	--	--	--	--	--	--	17.93	--	--	--	--	--
	Celsius	05/29/08	--	18.88	--	18.54	18.32	19.23	17.69	16.83	23.83	21.09	21.35	--	--
	Celsius	11/17/08	--	16.95	--	21.22	18.68	21.29	19.45	19.23	21.13	19.98	22.48	--	--
(Verification Event)	Celsius	02/17/09	--	--	--	--	--	--	--	--	--	--	21.00	--	--
	Celsius	05/26/09	--	18.61	--	19.10	18.14	19.84	18.05	19.20	20.82	20.10	22.36	--	--
(Verification Event)	Celsius	07/23/09	--	--	--	--	--	26.46	--	--	--	--	--	--	--
	Celsius	11/10/09	--	18.99	--	22.02	20.64	21.38	20.35	21.74	20.74	21.96	24.02	--	--
(Verification Event)	Celsius	01/18/10	--	--	--	--	--	--	--	--	18.49	--	--	--	--
	Celsius	05/26/10	--	--	18.64	17.62	18.76	20.16	17.41	19.25	20.92	19.90	22.14	--	--
	Celsius	11/15/10	--	--	20.47	22.64	18.94	21.85	20.02	21.10	21.17	22.92	24.23	--	--
(Verification Event)	Celsius	12/21/10	--	--	--	--	--	--	--	--	--	--	21.18	--	--
	Celsius	05/09/11	--	--	16.59	20.26	17.36	19.16	17.73	18.66	21.48	19.78	21.57	--	--
	Celsius	11/14/11	--	--	19.48	23.41	20.1	21.87	19.93	22.19	20.69	21.95	24.55	--	--
(Verification Event)	Celsius	01/17/12	--	--	--	--	--	--	--	--	--	--	--	--	--
	Celsius	05/07/12	--	--	18.70	20.37	18.34	19.51	17.51	19.48	Dry	22.37	23.52	--	--
(Verification Event)	Celsius	07/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--
	Celsius	11/05/12	--	--	18.20	22.53	19.91	22.33	18.52	20.82	18.92	--	23.57	20.79	21.56
(Verification Event)	Celsius	01/10/13	--	--	--	--	--	--	--	--	19.20	--	--	--	--
	Celsius	05/13/13	--	--	19.26	21.02	20.45	20.52	16.20	21.53	14.84	--	21.22	20.56	21.94
	Celsius	11/11/13	--	--	20.30	22.80	20.70	24.30	19.10	21.60	18.70	--	24.00	21.70	22.50
	Celsius	05/12/14	--	--	21.00	20.10	19.40	20.40	17.00	21.00	16.2	--	21.50	27.70	24.30
	Celsius	11/17/14	--	--	20.30	21.10	20.10	22.70	15.30	21.10	17.40	--	23.40	8.80	6.60
	Celsius	05/12/15	--	--	19.70	18.80	18.80	18.60	19.30	17.10	17.20	--	18.90	24.00	20.10
(Verification Event)	Celsius	11/09/15	--	--	19.30	22.10	19.90	21.90	18.30	21.20	21.20	--	23.80	18.50	16.90
	Celsius	12/30/15	--	--	--	--	--	--	--	--	--	--	--	22.10	--
(Verification Event)	Celsius	05/10/16	--	--	20.10	21.50	19.30	21.00	18.40	21.50	24.00	--	24.40	20.30	19.40
(Verification Event)	Celsius	07/07/16	--	--	--	--	--	--	--	--	--	--	--	29.8	--
	Celsius	11/07/16	--	--	20.55	23.54	20.33	24.03	17.06	22.55	19.36	--	25.16	15.72	19.80
	Celsius	05/09/17	--	--	20.5	16.8	22.2	20.7	16.0	20.4	21.5	--	21.8	15.9	20.2
(Verification Event)	Celsius	06/23/17	--	--	--	--	--	--	--	23.5	--	--	--	--	--
	Celsius	11/06/17	--	--	22.1	--	18.7	24.9	19.8	23.9	--	22.8	26.3	--	21.4
(Verification Event)	Celsius	01/11/18	--	--	--	--	--	--	--	--	--	21.7	--	25.1	--
	Celsius	05/09/18	--	--	18.9	--	20.2	19.8	16.1	20.2	16.3	--	21.0	19.8	20.5
	Celsius	11/15/18	--	--	19.2	23.2	21.2	23.8	16.2	21.7	18.0	--	24.2	24.4	21.9
	Celsius	05/12/19	--	--	19.5	22.1	20.6	21.2	16.1	20.8	20.5	--	21.7	23.8	21.1
(Verification Event)	Celsius	11/11/19	--	--	20.2	--	20.9	23.2	15.3	22.3	18.9	--	23.8	18.2	22.5
	Celsius	01/06/20	--	--	--	--	--	--	--	--	16.7	--	23.0	--	--
	Celsius	05/19/20	--	--	20.2	19.0	19.3	19.6	18.9	20.8	18.7	--	21.7	23.9	21.4
	Celsius	11/10/20	--	--	21.5	--	21.5	23.7	20.4	23.4	21.6	--	24.8	24.5	--
	Celsius	05/18/21	--	--	20.0	17.9	19.3	20.0	17.9	19.2	19.2	--	22.7	24.2	--
	Celsius	07/14/21	--	--	--	--	--	--	--	--	--	--	--	--	23.1
(Verification Event)	Celsius	11/08/21	--	--	21.7	--	21.1	22.9	17.6	22.2	--	22.8	24.7	24.0	23.4
	Celsius	01/25/22	--	--	--	--	--	--	--	--	16.5	--	21.6	--	--
	Celsius	05/10/22	--	--	20.2	--	--	20.2	21.0	21.2	--	--	21.9	24.9	24.3

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Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient					Downgradient					GGI Outfall 1	GGI Outfall 2	
			MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D			MW-108
Turbidity (field)	NTU	05/22/07	--	0.00	--	32.0	20.2	17.0	61.4	68.1	0.00	--	113	--	--
(Verification Event)	NTU	08/07/07	--	--	--	--	--	--	--	--	>1000	--	--	--	
	NTU	11/13/07	--	133	--	45.5	16.7	44.8	75.3	38.7	271	39.4	32.2	--	--
(Verification Event)	NTU	01/09/08	--	--	--	--	--	--	--	20.2	--	--	--	--	
	NTU	05/29/08	--	197	--	7.80	8.56	8.66	99.1	61.0	9.36	6.88	5.49	--	--
(Verification Event)	NTU	11/17/08	--	36.9	--	28.1	2.31	25.6	7.91	8.26	11.6	1.10	6.86	--	--
	NTU	02/17/09	--	--	--	--	--	--	--	--	--	--	1.27	--	--
(Verification Event)	NTU	05/26/09	--	18.9	--	7.61	41.7	45.1	30.3	49.2	7.65	3.96	7.62	--	--
	NTU	07/23/09	--	--	--	--	--	19.6	--	--	--	--	--	--	--
(Verification Event)	NTU	11/10/09	--	34.6	--	97.0	17.7	5.13	1.94	73.0	54.10	1.37	4.10	--	--
	NTU	01/18/10	--	--	--	--	--	--	--	--	16.4	--	--	--	--
	NTU	05/26/10	--	--	16.4	9.16	3.29	19.5	0.47	9.94	19.5	1.76	1.10	--	--
(Verification Event)	NTU	11/15/10	--	--	3.36	16.2	3.05	2.35	1.32	18.1	41.3	1.62	1.92	--	--
	NTU	12/21/10	--	--	--	--	--	--	--	--	--	--	10.4	--	--
	NTU	05/09/11	--	--	1.75	10.8	3.39	4.83	0.42	6.05	12.7	1.03	0.69	--	--
	NTU	11/14/11	--	--	18.1	8.32	26.7	5.82	3.77	16.0	32.6	2.94	1.23	--	--
	NTU	01/17/12	--	--	--	--	--	--	--	--	--	--	--	--	--
(Verification Event)	NTU	05/07/12	--	--	4.58	77.4	16.3	6.44	2.46	227	Dry	2.60	4.35	--	--
	NTU	07/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--
(Verification Event)	NTU	11/05/12	--	--	12.1	2.22	6.49	3.57	11.6	88.1	23.7	--	2.14	7.36	1.21
	NTU	01/10/13	--	--	--	--	--	--	--	--	214	--	--	--	--
	NTU	05/13/13	--	--	4.03	6.35	2.85	6.14	4.38	26.2	3.56	--	1.21	1.40	3.31
	NTU	11/11/13	--	--	3.82	4.04	5.00	12.2	16.4	12.0	21.0	--	10.5	2.33	1.85
	NTU	05/12/14	--	--	3.74	7.26	5.23	6.61	92.5	8.66	4.63	--	3.18	7.41	4.56
	NTU	11/17/14	--	--	1.38	9.21	2.22	5.22	51.1	31.0	13.6	--	6.37	13.6	7.42
	NTU	05/12/15	--	--	14.6	14.1	2.04	3.88	24.0	6.4	20.9	--	0.96	46.8	8.72
(Verification Event)	NTU	11/09/15	--	--	5.96	7.57	1.99	5.68	30.8	29.8	47.8	--	1.73	58.3	64.6
	NTU	12/30/15	--	--	--	--	--	--	--	--	--	--	--	70.5	--
(Verification Event)	NTU	05/10/16	--	--	5.14	8.20	7.20	9.98	12.3	52.1	234	--	4.36	8.75	2.34
	NTU	07/07/16	--	--	--	--	--	--	--	--	--	--	--	228	--
	NTU	11/07/16	--	--	3.43	4.89	7.77	2.34	3.30	22.1	251	--	1.06	5.73	83.4
(Verification Event)	NTU	05/09/17	--	--	2.58	38.2	9.77	0.00	2.02	19.6	263	--	2.70	17.1	4.63
	NTU	06/23/17	--	--	--	--	--	--	--	7.28	--	--	--	--	--
(Verification Event)	NTU	11/06/17	--	--	3.76	--	41.2	9.69	9.61	9.32	--	46.7	8.32	--	6.30
	NTU	01/11/18	--	--	--	--	--	--	--	--	--	4.97	--	0.54	--
	NTU	05/09/18	--	--	3.77	--	8.23	5.24	8.67	9.08	12.1	--	0.46	0.75	1.01
	NTU	11/15/18	--	--	1.65	4.23	1.99	0.45	7.84	120	201	--	0.88	0.61	0.45
	NTU	05/12/19	--	--	9.76	9.17	9.74	6.92	3.90	34.4	9.77	--	0.86	3.51	2.98
(Verification Event)	NTU	11/11/19	--	--	1.56	--	9.09	5.28	1.47	12.4	94.7	--	1.80	2.70	2.94
	NTU	01/06/20	--	--	--	--	--	--	--	--	9.21	--	1.00	--	--
	NTU	05/19/20	--	--	2.10	2.01	5.25	3.34	9.89	89.7	9.42	--	3.19	5.87	1.82
	NTU	11/10/20	--	--	0.74	--	8.97	2.82	8.70	103	8.91	--	1.03	29.1	--
	NTU	05/18/21	--	--	0.65	1.32	4.18	4.02	8.16	39.2	9.93	--	0.51	6.43	--
	NTU	07/14/21	--	--	--	--	--	--	--	--	--	--	--	--	22.8
(Verification Event)	NTU	11/08/21	--	--	1.37	--	1.69	1.43	8.76	6.98	--	4.61	0.95	0.94	4.01
	NTU	01/25/22	--	--	--	--	--	--	--	--	9.87	--	2.01	--	--
	NTU	05/10/22	--	--	0.69	--	--	2.26	9.21	8.42	--	--	9.89	4.40	22.7

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Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient					Downgradient							
			MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D	MW-108	GGI Outfall 1	GGI Outfall 2
ORP (field)	millivolts	05/22/07	--	--	--	332	350	349	229	235	--	--	66.0	--	--
	millivolts	11/13/07	--	--	--	317	333	404	266	312	351	322	279	--	--
(Verification Event)	millivolts	01/09/08	--	--	--	--	--	--	--	150	--	--	--	--	--
	millivolts	05/29/08	--	--	--	303	317	404	186	55.0	308	280	187	--	--
(Verification Event)	millivolts	11/17/08	--	--	--	314	311	351	241	91.0	358	310.5	-60.3	--	--
	millivolts	02/17/09	--	--	--	--	--	--	--	--	--	--	50.7	--	--
(Verification Event)	millivolts	05/26/09	--	--	--	202	220	312	218	143	331	278	61.5	--	--
	millivolts	07/23/09	--	--	--	--	--	576	--	--	--	--	--	--	--
(Verification Event)	millivolts	11/10/09	--	--	--	252	261	331	253	278	299	322	228	--	--
	millivolts	01/18/10	--	--	--	--	--	--	--	--	313	--	--	--	--
(Verification Event)	millivolts	05/26/10	--	--	--	241	217	263	215	43.6	298	273	232	--	--
	millivolts	11/15/10	--	--	--	243	255	367	340	-19.0	341	312	261	--	--
(Verification Event)	millivolts	12/21/10	--	--	--	--	--	--	--	--	--	--	212	--	--
	millivolts	05/09/11	--	--	--	237	255	230	231	242	315	267	266	--	--
(Verification Event)	millivolts	11/14/11	--	--	--	98.9	91.7	169	110	118	374	239	178	--	--
	millivolts	05/07/12	--	--	--	243	271	257	223	161	Dry	290	225	--	--
(Verification Event)	millivolts	07/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--
	millivolts	11/05/12	--	--	10.8	149	166	153	99.4	119	--	--	101	225	214
(Verification Event)	millivolts	05/13/13	--	--	86.8	127	139	132	113	-17.0	--	--	102	130	93.4
	millivolts	11/11/13	--	--	266	342	332	393	282	134	--	--	359	402	353
(Verification Event)	millivolts	05/12/14	--	--	181	315	337	405	281	410	--	--	419	288	362
	millivolts	11/17/14	--	--	194	160	199	258	298	267	--	--	316	156	83.5
(Verification Event)	millivolts	05/12/15	--	--	156	196	178	165	188	157	149	--	177	74.5	163
	millivolts	11/09/15	--	--	409	541	537	467	364	43.9	380	--	400	133	402
(Verification Event)	millivolts	12/30/15	--	--	--	--	--	--	--	--	--	--	--	131	--
	millivolts	05/10/16	--	--	270	352	369	390	278	159	436	--	350	--	242
(Verification Event)	millivolts	05/10/16	--	--	-164	24.2	35.7	29.2	-39.1	-89.4	13.1	--	-63.4	27.5	-45.9
	millivolts	05/09/17	--	--	308	--	374	447	372	306	451	--	356	472	255
(Verification Event)	millivolts	06/23/17	--	--	--	--	--	--	--	197	--	--	--	--	--
	millivolts	11/06/17	--	--	255	--	--	407	254	376	--	415	334	--	232
(Verification Event)	millivolts	01/11/18	--	--	--	--	--	--	--	--	--	427.2	--	217.6	--
	millivolts	05/09/18	--	--	400	--	399	372	407	436	--	--	380	421	444
(Verification Event)	millivolts	11/15/18	--	--	27	279	286	374	11	-41	--	--	282	53	54
	millivolts	05/12/19	--	--	286	272	270	301	234	174	354	--	309	164	77
(Verification Event)	millivolts	11/11/19	--	--	204	--	385	425	63	303	--	--	323	194	94
	millivolts	01/06/20	--	--	--	--	--	--	--	--	361	--	323	--	--
(Verification Event)	millivolts	05/19/20	--	--	284	412	335	421	346	127	517	--	306	165	105
	millivolts	11/10/20	--	--	158	--	240	367	172	81	328	--	217	123	--
(Verification Event)	millivolts	05/18/21	--	--	60.1	222	182	153	137	85	297	--	148	150	--
	millivolts	07/14/21	--	--	--	--	--	--	--	--	--	--	--	--	203
(Verification Event)	millivolts	11/08/21	--	--	187	--	194	268	250	287	--	389	279	218	183
	millivolts	01/25/22	--	--	--	--	--	--	--	--	282	--	236	--	--
(Verification Event)	millivolts	05/10/22	--	--	119.3	--	--	178	192	189	--	--	188	129	133

TABLE 5
Summary of Field Parameters for MSW Wells
Sampson County Active MSW Landfill, Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient					Downgradient							
			MW-100	MW-100A	MW-100B	MW-102A	MW-103A	MW-104	MW-105A	MW-106	MW-107S	MW-107D	MW-108	GGI Outfall 1	GGI Outfall 2
Dissolved Oxygen (field)	mg/L	05/22/07	--	--	--	3.90	8.80	1.50	2.20	4.50	--	--	0.40	--	--
	mg/L	11/13/07	--	--	--	7.91	8.30	1.60	4.05	4.68	2.49	1.06	0.78	--	--
(Verification Event)	mg/L	01/09/08	--	--	--	--	--	--	--	2.64	--	--	--	--	--
	mg/L	05/29/08	--	--	--	6.97	9.23	1.44	0.30	1.01	0.91	0.37	1.99	--	--
(Verification Event)	mg/L	11/17/08	--	--	--	8.21	8.14	10.09	2.83	2.80	4.18	1.62	10.34	--	--
	mg/L	02/17/09	--	--	--	--	--	--	--	--	--	--	0.39	--	--
(Verification Event)	mg/L	05/26/09	--	--	--	9.23	8.90	4.03	0.84	3.50	1.90	0.66	1.46	--	--
	mg/L	07/23/09	--	--	--	--	--	1.81	--	--	--	--	--	--	--
(Verification Event)	mg/L	11/10/09	--	--	--	8.40	8.58	2.85	2.72	4.57	0.87	0.55	0.79	--	--
	mg/L	01/18/10	--	--	--	--	--	--	--	--	1.35	--	--	--	--
(Verification Event)	mg/L	05/26/10	--	--	--	8.34	7.91	2.39	0.82	1.27	1.04	0.60	0.99	--	--
	mg/L	11/15/10	--	--	--	7.40	8.72	2.02	1.03	1.66	2.84	1.09	3.04	--	--
(Verification Event)	mg/L	12/21/10	--	--	--	--	--	--	--	--	--	--	1.74	--	--
	mg/L	05/09/11	--	--	--	7.48	8.02	6.18	0.61	5.00	4.46	0.63	0.71	--	--
(Verification Event)	mg/L	11/14/11	--	--	--	7.66	7.83	4.98	0.99	3.42	3.16	2.70	1.41	--	--
	mg/L	05/07/12	--	--	--	8.87	8.51	6.48	0.80	4.19	Dry	2.14	1.73	--	--
(Verification Event)	mg/L	07/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--
	mg/L	11/05/12	--	--	0.49	6.84	7.06	3.45	1.09	2.76	--	--	1.53	5.39	4.38
(Verification Event)	mg/L	05/13/13	--	--	0.49	7.08	7.44	4.88	0.37	2.13	--	--	1.47	6.28	2.93
	mg/L	11/11/13	--	--	0.52	7.26	8.04	3.59	1.21	2.72	--	--	1.35	5.41	3.41
(Verification Event)	mg/L	05/12/14	--	--	1.02	8.25	9.01	5.89	0.62	5.46	--	--	1.27	5.50	2.03
	mg/L	11/17/14	--	--	0.60	7.76	7.19	2.64	0.70	4.97	--	--	1.72	6.26	7.29
(Verification Event)	mg/L	05/12/15	--	--	0.69	6.64	7.13	5.21	0.54	3.03	2.81	--	0.69	4.82	1.59
	mg/L	11/09/15	--	--	1.93	7.61	7.43	4.82	0.65	1.32	3.56	--	0.64	4.82	6.49
(Verification Event)	mg/L	12/30/15	--	--	--	--	--	--	--	--	--	--	--	4.70	--
	mg/L	05/10/16	--	--	1.54	7.04	7.50	3.17	0.55	1.25	4.11	--	1.80	--	6.15
(Verification Event)	mg/L	11/07/16	--	--	0.27	4.68	5.90	1.08	0.38	1.11	3.12	--	0.63	6.44	3.65
	mg/L	05/09/17	--	--	2.84	--	7.44	5.49	0.25	1.76	5.71	--	2.71	6.22	4.46
(Verification Event)	mg/L	06/23/17	--	--	--	--	--	--	--	2.32	--	--	--	--	--
	mg/L	11/06/17	--	--	1.58	--	--	2.77	0.37	3.48	--	2.09	2.97	--	4.77
(Verification Event)	mg/L	01/11/18	--	--	--	--	--	--	--	--	--	2.04	--	5.28	--
	mg/L	05/09/18	--	--	2.58	--	7.04	5.29	0.57	2.41	--	--	3.62	3.39	4.54
(Verification Event)	mg/L	11/15/18	--	--	0.50	7.56	8.56	2.36	0.31	0.97	--	--	1.64	4.08	0.88
	mg/L	05/12/19	--	--	0.23	8.14	7.85	3.42	0.25	1.79	1.29	--	0.46	4.97	2.19
(Verification Event)	mg/L	11/11/19	--	--	0.31	--	7.63	1.20	0.41	2.27	--	--	0.37	9.64	3.59
	mg/L	01/06/20	--	--	--	--	--	--	--	--	5.90	--	0.97	--	--
(Verification Event)	mg/L	05/19/20	--	--	0.60	7.09	6.79	5.45	0.43	1.87	4.79	--	0.66	5.12	2.57
	mg/L	11/10/20	--	--	1.08	--	7.28	2.81	0.30	0.63	5.07	--	0.24	3.28	--
(Verification Event)	mg/L	05/18/21	--	--	0.33	7.36	7.83	2.37	0.48	0.92	5.81	--	0.75	6.11	--
	mg/L	07/14/21	--	--	--	--	--	--	--	--	--	--	--	--	4.50
(Verification Event)	mg/L	11/08/21	--	--	1.61	--	8.27	1.51	0.33	1.04	--	0.59	0.68	7.13	4.93
	mg/L	01/25/22	--	--	--	--	--	--	--	--	9.48	--	4.49	--	--
(Verification Event)	mg/L	05/10/22	--	--	1.71	--	--	4.46	0.49	0.92	--	--	0.92	7.63	4.06

Notes: mg/L = milligrams per liter
 S.U. = Standard Units
 NTU = Nephelometric Turbidity Units
 ND = Not detected at the stated reporting limit
 uS/cm= microsiemens per centimeter
 -- = no data available
 GGI = Gravity Groundwater Intercept

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks	
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN			
Antimony NC 2L = 1 ug/L EPA MCL = 6 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	08/29/97	--	--	30	ND	ND	ND	--	--	--	--	--	
	ug/L	02/23/98	--	--	10	ND	ND	ND	--	--	--	--	--	
	ug/L	08/24/98	--	--	10	ND	ND	ND	--	--	--	--	--	
	ug/L	02/22/99	--	--	10	ND	ND	ND	--	--	--	--	--	
	ug/L	08/23/99	--	--	10	ND	ND	ND	--	--	--	--	--	
	ug/L	02/21/00	--	--	10	ND	ND	ND	--	--	--	--	--	
	ug/L	07/12/01	--	--	30	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	10/24/01	--	--	30	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/28/02	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	11/05/02	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	05/29/03	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	11/05/03	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	11/23/04	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	05/16/05	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	11/25/05	--	--	30	--	--	--	--	--	--	--	--	
	ug/L	05/24/06	--	--	30	--	--	--	--	--	--	--	ND	
	ug/L	11/20/06	--	--	30	--	--	--	--	--	--	--	ND	
	ug/L	05/22/07	--	--	6	0.63	J	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	6	0.661	J	0.474	J	0.251	B	ND	0.302	B
	ug/L	05/26/10	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	0.0730
	ug/L	11/15/10	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	J
	ug/L	05/09/11	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	J
	ug/L	11/14/11	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	J
	ug/L	05/08/12	--	--	6	0.382	J	ND	1.15	J	ND	0.390	J	ND
	ug/L	11/05/12	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/14/13	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/12/13	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/13/14	--	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	0.22	--	6	ND	J	0.762	J	ND	ND	ND	ND	ND
	ug/L	05/12/15	0.22	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/09/15	0.22	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/10/16	0.22	--	6	ND	J	0.265	J	ND	ND	ND	ND	ND
	ug/L	11/07/16	0.22	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/09/17	0.22	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/06/17	0.37	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND
ug/L	05/09/18	0.37	--	6	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	1.85	5.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.74	2.0	--	ND	J	ND	ND	ND	ND	ND	ND	ND	
Arsenic NC 2L = 10 ug/L EPA MCL = 10 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	08/29/97	--	--	10	ND	ND	ND	--	--	--	--	--	
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	08/24/98	--	--	5	ND	6.18	13	--	--	--	--	--	
	ug/L	02/22/99	--	--	5	ND	9.09	13	--	--	--	--	--	
	ug/L	08/23/99	--	--	5	ND	9.11	16	--	--	--	--	--	
	ug/L	02/21/00	--	--	5	ND	9.94	16	--	--	--	--	--	
	ug/L	10/10/00	--	--	10	ND	ND	13	ND	ND	ND	ND	--	
	ug/L	07/12/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/28/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/03	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/25/04	--	--	10	ND	12	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/16/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	10	ND	14	ND	10	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	2.2	
	ug/L	11/14/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	10	ND	ND	4.8	B	ND	3.2	B	2.0	
	ug/L	11/17/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	10	3.2	J	6.2	J	9.2	J	ND	ND	
	ug/L	11/11/09	--	--	10	ND	J	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	10	ND	J	3.76	J	7.44	J	ND	ND	
	ug/L	11/15/10	--	--	10	ND	J	3.25	B	7.77	J	ND	3.98	
	ug/L	05/09/11	--	--	10	ND	J	ND	ND	7.77	J	3.11	ND	
	ug/L	11/14/11	--	--	10	ND	J	ND	ND	ND	J	3.67	ND	
	ug/L	05/08/12	--	--	10	ND	J	ND	ND	ND	J	ND	ND	
	ug/L	11/05/12	--	--	10	3.57	B	3.43	B	ND	B	4.00	B	
	ug/L	05/14/13	--	--	10	ND	B	ND	ND	ND	ND	ND	ND	
	ug/L	11/12/13	--	--	10	ND	B	ND	ND	ND	ND	ND	ND	
	ug/L	05/13/14	--	--	10	ND	B	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/14	5.4	--	10	ND	B	ND	ND	ND	ND	ND	ND	
	ug/L	05/12/15	5.4	--	10	ND	B	ND	ND	ND	ND	ND	ND	
	ug/L	11/09/15	5.4	--	10	ND	B	ND	10.1	ND	ND	ND	ND	
	ug/L	05/10/16	5.4	--	10	ND	B	ND	ND	ND	ND	ND	ND	
	ug/L	11/07/16	6.8	--	10	ND	B	8.84	J	7.48	J	ND	ND	
	ug/L	05/09/17	6.8	--	10	ND	B	ND	7.53	J	ND	ND	ND	
ug/L	11/06/17	6.8	--	10	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	6.8	--	10	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	7.6	10	--	ND	B	ND	ND	ND	ND	ND	ND		

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks			
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN					
Barium NC 2L = 700 ug/L EPA MCL = 2000 ug/L	ug/L	10/08/96	--	--	--	31	28	25	--	--	--	--	--	--		
	ug/L	02/18/97	--	--	500	26	71	23	--	--	--	--	--	--		
	ug/L	08/29/97	--	--	500	ND	ND	ND	--	--	--	--	--	--		
	ug/L	02/23/98	--	--	--	47	165	180	--	--	--	--	--	--		
	ug/L	08/24/98	--	--	--	34.3	178	159	--	--	--	--	--	--		
	ug/L	02/22/99	--	--	--	37.9	145	162	--	--	--	--	--	--		
	ug/L	08/23/99	--	--	--	64.1	148	201	--	--	--	--	--	--		
	ug/L	02/21/00	--	--	--	28.6	157	195	--	--	--	--	--	--		
	ug/L	10/10/00	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	07/12/01	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	10/24/01	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/28/02	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/05/02	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/29/03	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/05/03	--	--	500	--	--	--	--	--	--	--	--	--		
	ug/L	05/25/04	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/23/04	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/16/05	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/25/05	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/24/06	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/20/06	--	--	500	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	05/22/07	--	--	100	105	90.2	J	151	80.5	J	69.7	J	36.7	J	
	ug/L	11/14/07	--	--	100	253	101	J	120	95.2	J	73.3	J	33.1	J	
	ug/L	05/29/08	--	--	100	111	60.5	J	138	91.4	J	55.2	J	29.5	J	
	ug/L	11/17/08	--	--	100	109	61.3	J	148	51.5	J	18.2	J	36.7	J	
	ug/L	05/27/09	--	--	100	96.2	J	60.5	J	156	78.2	J	44.1	J	34.9	J
	ug/L	11/11/09	--	--	100	225	69.8	J	95.2	J	93.5	J	74.1	J	33.0	J
	ug/L	05/26/10	--	--	100	50.1	J	76.2	J	119	29.7	J	16.1	J	33.0	J
	ug/L	11/15/10	--	--	100	56.0	J	55.7	J	107	96.7	J	36.5	J	34.1	J
	ug/L	05/09/11	--	--	100	135	71.7	J	137	68.8	J	51.6	J	31.8	J	
	ug/L	11/14/11	--	--	100	166	73.1	J	115	53.8	J	69.7	J	36.3	J	
	ug/L	05/08/12	--	--	100	146	60.5	J	127	43.0	J	55.9	J	29.3	J	
	ug/L	11/05/12	--	--	100	233	81.4	J	138	75.3	J	65.2	J	37.6	J	
	ug/L	05/14/13	--	--	100	229	60.5	J	104	25.2	J	30.0	J	36.4	J	
	ug/L	11/12/13	--	--	100	126	61.5	J	155	52.9	J	52.3	J	33.8	J	
	ug/L	05/13/14	--	--	100	68.1	J	47.2	J	153	13.4	J	26.6	J	32.0	J
	ug/L	11/17/14	1.0	--	100	179	56.8	J	147	150	J	53.7	J	31.6	J	
	ug/L	05/12/15	1.0	--	100	54.6	J	42.8	J	155	30.3	J	15.9	J	37.8	J
	ug/L	11/09/15	1.0	--	100	105	57.3	J	173	33.2	J	16.0	J	34.9	J	
	ug/L	05/10/16	1.0	--	100	168	89.7	J	201	158	J	17.7	J	29.8	J	
	ug/L	11/07/16	1.0	--	100	107	59.3	J	180	73.0	J	20.8	J	33.6	J	
	ug/L	05/09/17	1.0	--	100	89.1	J	98.3	J	151	48.3	J	15.1	J	34.1	J
ug/L	11/06/17	1.0	--	100	109	96.5	J	157	72.6	J	48.9	J	28.0	J		
ug/L	05/09/18	1.0	--	100	92.2	J	70.3	J	122	40.1	J	33.4	J	32.1	J	
ug/L	11/15/18	1.1	10	--	38.3	61.4	J	297	41.5	J	18.1	J	37.8	J		
ug/L	05/15/19	1.1	10	--	53.3	111	J	252	73.2	J	37.2	J	36.4	J		
ug/L	11/11/19	1.1	10	--	45.2	90.3	J	182	95.0	J	43.2	J	35.9	J		
ug/L	05/19/20	1.1	10	--	19.4	98.5	J	210	43.4	J	17.9	J	41.1	J		
ug/L	11/10/20	1.1	10	--	40.8	84.0	J	236	46.2	J	31.3	J	35.0	J		
ug/L	05/18/21	1.1	10	--	36.7	119	J	278	29.2	J	33.2	J	37.5	J		
ug/L	11/08/21	1.1	10	--	34.2	115	J	206	65.6	J	41.9	J	64.0	J		
ug/L	05/10/22	1.1	10	--	39.6	139	J	187	28.3	J	54.5	J	88.8	J		
Beryllium NC 2L = 4 ug/L EPA MCL = 4 ug/L	ug/L	10/08/96	--	--	1	ND	ND	ND	--	--	--	--	--	--		
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/18/97	--	--	1	ND	ND	ND	--	--	--	--	--	--		
	ug/L	02/19/97	--	--	1	--	--	--	--	--	--	--	--	--		
	ug/L	04/24/97	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	08/28/97	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	08/29/97	--	--	2	ND	ND	ND	--	--	--	--	--	--		
	ug/L	10/09/97	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	10/30/97	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--	--		
	ug/L	02/24/98	--	--	5	--	--	--	--	--	--	--	--	--		
	ug/L	04/20/98	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--	--		
	ug/L	10/27/98	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--	--		
	ug/L	04/20/99	--	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--	--		
	ug/L	08/24/99	--	--	5	--	--	--	--	--	--	--	--	--		
	ug/L	01/11/00	--	--	5	--	--	--	--	--	--	--	--	--		
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--	--		
	ug/L	02/22/00	--	--	5	--	--	--	--	--	--	--	--	--		
	ug/L	10/10/00	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	07/12/01	--	--	2	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	10/24/01	--	--	2	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/28/02	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	11/05/02	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	05/29/03	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	11/05/03	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	05/25/04	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	11/23/04	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	05/16/05	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	11/25/05	--	--	2	--	--	--	--	--	--	--	--	--		
	ug/L	05/24/06	--	--	2	--	--	--	--	--	--	--	--	ND		
	ug/L	11/20/06	--	--	2	--	--	--	--	--	--	--	--	ND		
	ug/L	05/22/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/14/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	05/27/09	--	--	1	0.11	J	ND	ND	0.09	J	ND	ND	ND		
	ug/L	11/11/09	--	--	1	0.245	J	ND	ND	ND	ND	ND	ND	ND		
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	0.115	B		
ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	0.106			
ug/L	11/14/11	--	--	1	0.162	J	ND	ND	ND	0.101	J	0.108	J			
ug/L	05/08/12	--	--	1	0.188	J	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/05/12	--	--	1	0.208	J	ND	ND	0.102	J	ND	ND	ND			
ug/L	05/14/13	--	--	1	0.185	J	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/12/13	--	--	1	0.111	J	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/17/14	0.10	--	1	0.160	J	ND	ND	0.203	J	ND	0.114	J			
ug/L																

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks		
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN				
Cadmium NC 2L = 2 ug/L EPA MCL = 5 ug/L	ug/L	02/05/96	--	--	1	ND	--	--	--	--	--	--	--	--	
	ug/L	10/08/96	--	--	1	--	ND	ND	--	--	--	--	--	--	
	ug/L	02/18/97	--	--	1	ND	ND	ND	--	--	--	--	--	--	
	ug/L	08/29/97	--	--	1	ND	ND	ND	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--	--	
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--	--	
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--	--	
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--	--	
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--	--	
	ug/L	10/10/00	--	--	1	ND	7	4	ND	ND	ND	ND	ND	--	
	ug/L	07/12/01	--	--	1	ND	6	3	ND	ND	ND	ND	ND	--	
	ug/L	10/24/01	--	--	1	ND	4	3	ND	ND	ND	ND	ND	--	
	ug/L	05/28/02	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/02	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/03	--	--	1	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/16/05	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	1	0.50	J	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	1	ND	J	ND	ND	ND	ND	ND	0.50	J	
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	0.5	
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	1	0.20	J	0.24	J	0.14	J	ND	0.14	J	ND
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	0.400	J	
	ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/14/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/12/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/17/14	0.36	--	1	0.564	J	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/12/15	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/09/15	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/16	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/07/16	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/17	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chromium NC 2L = 10 ug/L EPA MCL = 100 ug/L	ug/L	10/08/96	--	--	2	ND	ND	ND	--	--	--	--	--		
	ug/L	02/18/97	--	--	2	ND	ND	ND	--	--	--	--	--		
	ug/L	08/29/97	--	--	10	ND	ND	ND	--	--	--	--	--		
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	10/10/00	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	07/12/01	--	--	10	ND	ND	ND	22	ND	ND	ND	ND	--	
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/28/02	--	--	10	20	ND	ND	28	19	ND	ND	ND	--	
	ug/L	11/05/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	10	ND	ND	ND	96	ND	ND	ND	ND	--	
	ug/L	11/05/03	--	--	10	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	10	ND	ND	ND	ND	14	ND	ND	ND	--	
	ug/L	05/16/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	10	ND	ND	ND	ND	31	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	10	ND	ND	ND	52.9	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	10	ND	ND	ND	12.7	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	10	ND	ND	ND	8.2	J	2.0	J	ND	ND	
	ug/L	11/17/08	--	--	10	3.4	B	ND	ND	14.1	B	3.3	B	1.4	B
	ug/L	05/27/09	--	--	10	ND	ND	ND	7.5	J	1.4	J	ND	ND	
	ug/L	11/11/09	--	--	10	ND	ND	ND	27.0	J	2.64	J	39.2	J	
	ug/L	05/26/10	--	--	10	ND	ND	ND	4.34	J	1.86	J	14.5	J	
	ug/L	11/15/10	--	--	10	ND	ND	ND	4.54	J	1.59	J	11.6	J	
	ug/L	05/09/11	--	--	10	ND	ND	ND	2.56	J	4.31	J	3.60	J	
	ug/L	11/14/11	--	--	10	ND	ND	ND	1.47	J	3.20	J	3.89	J	
	ug/L	05/08/12	--	--	10	2.09	J	2.67	J	2.61	J	12.4	14.2	ND	
	ug/L	11/05/12	--	--	10	19.4	J	1.14	J	1.73	J	14.8	11.2	ND	
	ug/L	05/14/13	--	--	10	1.93	J	2.31	J	1.60	J	24.8	7.86	J	
	ug/L	11/12/13	--	--	10	1.97	J	ND	6.16	J	17.4	9.34	J	4.34	
	ug/L	05/13/14	--	--	10	ND	ND	5.58	J	ND	57.9	10.5	ND	ND	
	ug/L	11/17/14	1.4	--	10	ND	ND	1.70	J	10.3	9.85	J	ND	ND	
	ug/L	05/12/15	1.4	--	10	2.50	B	1.91	B	3.28	B	33.0	16.0	1.79	B
	ug/L	11/09/15	1.4	--	10	ND	ND	ND	ND	19.1	14.3	ND	ND	ND	
	ug/L	05/10/16	1.4	--	10	ND	ND	ND	ND	14.8	22.4	ND	ND	ND	
(Verification Event)	ug/L	07/07/16	1.4	--	10	--	--	--	--	12.5	--	--	ND		
(Verification Event - Dissolved)	ug/L	07/07/16	1.4	--	10	--	--	--	--	2.35	J	--	ND		
(Dissolved)	ug/L	11/07/16	1.4	--	10	ND	ND	ND	20.0	11.6	ND	ND	ND		
(Dissolved)	ug/L	05/09/17	1.4	--	10	ND	1.86	J	ND	27.6	17.0	1.59	J		
(Dissolved)	ug/L	11/06/17	1.4	--	10	ND	1.43	J	3.52	J	11.0	29.7	ND		
(Dissolved)	ug/L	11/06/17	1.4	--	10	--	--	--	--	2.28	J	--	--		
(Dissolved)	ug/L	05/09/18	1.4	--	10	1.73	J	ND	1.92	J	16.0	19.6	ND		
(Dissolved)	ug/L	11/15/18	1.4	10	--	1.41	J	ND	1.68	J	35.1	7.19	J		
(Dissolved)	ug/L	05/15/19	1.4	10	--	ND	ND	ND	1.62	J	17.4	15.0	ND		
(Dissolved)	ug/L	11/11/19	1.4	10	--	ND	ND	ND	3.02	J	4.44	1.66	J		
(Dissolved)	ug/L	05/19/20	1.4	10	--	ND	ND	ND	2.14	J	6.42	J	ND		
(Dissolved)	ug/L	11/10/20	1.4	10	--	ND	ND	ND	3						

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks		
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN				
Cobalt Proposed Site-Specific GPS = 94.2 NC 2L = 1 ug/L No EPA MCL	ug/L	10/08/96	--	--	2	ND	ND	ND	--	--	--	--	--		
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/18/97	--	--	3	ND	ND	ND	--	--	--	--	--		
	ug/L	02/19/97	--	--	3	--	--	--	--	--	--	--	--		
	ug/L	04/24/97	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	08/28/97	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	08/29/97	--	--	10	ND	ND	ND	--	--	--	--	--		
	ug/L	10/09/97	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	10/30/97	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	02/24/98	--	--	5	--	--	--	--	--	--	--	--		
	ug/L	04/20/98	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	10/27/98	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	04/20/99	--	--	--	--	--	--	--	--	--	--	--		
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	08/24/99	--	--	5	--	--	--	--	--	--	--	--		
	ug/L	01/11/00	--	--	5	--	--	--	--	--	--	--	--		
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	02/22/00	--	--	5	--	--	--	--	--	--	--	--		
	ug/L	10/10/00	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	07/12/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/28/02	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	11/05/02	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	05/29/03	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	11/05/03	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	05/25/04	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	11/23/04	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	05/16/05	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	11/25/05	--	--	10	--	--	--	--	--	--	--	--		
	ug/L	05/24/06	--	--	10	--	--	--	--	--	--	--	ND		
	ug/L	11/20/06	--	--	10	--	--	--	--	--	--	--	ND		
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/14/07	--	--	10	3.0	J	ND	ND	ND	ND	ND	ND		
	ug/L	05/29/08	--	--	10	2.4	J	ND	ND	3.1	J	2.2	J	ND	
	ug/L	11/17/08	--	--	10	1.5	J	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	10	1.1	J	0.7	J	ND	0.9	J	1.0	J	0.6
	ug/L	11/11/09	--	--	10	2.05	J	ND	ND	1.57	J	1.26	J	ND	ND
	ug/L	05/26/10	--	--	10	ND	ND	ND	ND	1.54	J	1.24	J	ND	ND
	ug/L	11/15/10	--	--	10	ND	ND	ND	ND	1.19	J	ND	ND	ND	ND
ug/L	05/09/11	--	--	10	ND	ND	ND	ND	ND	1.22	J	ND	ND	ND	
ug/L	11/14/11	--	--	10	ND	ND	ND	ND	ND	3.83	J	ND	ND	ND	
ug/L	05/08/12	--	--	10	1.50	J	ND	ND	ND	8.12	J	ND	ND	ND	
ug/L	11/05/12	--	--	10	2.93	J	1.13	J	1.38	J	8.68	J	1.40	J	
ug/L	05/14/13	--	--	10	2.09	J	ND	ND	ND	9.01	J	1.15	J	ND	
ug/L	11/12/13	--	--	10	1.35	J	ND	ND	1.22	J	11.9	ND	ND	ND	
ug/L	05/13/14	--	--	10	ND	ND	ND	ND	1.78	J	8.78	J	ND	ND	
ug/L	11/17/14	1.1	--	10	1.92	J	1.17	J	2.10	J	9.58	J	1.40	J	
ug/L	05/12/15	1.1	--	10	ND	ND	ND	ND	2.73	J	9.21	J	1.24	J	
ug/L	11/09/15	1.1	--	10	ND	ND	ND	ND	ND	9.10	J	ND	ND	ND	
ug/L	05/10/16	1.1	--	10	1.14	J	ND	ND	1.12	J	25.8	ND	ND	ND	
(Verification Event)	ug/L	07/07/16	1.1	--	10	--	--	--	--	10.6	--	--	ND	ND	
(Verification Event - Dissolved)	ug/L	07/07/16	1.1	--	10	--	--	--	--	6.40	J	--	ND	ND	
ug/L	11/07/16	1.1	--	10	1.19	J	ND	ND	1.46	J	5.86	J	ND	ND	
ug/L	05/09/17	1.1	--	10	1.16	J	1.20	J	2.23	J	12.5	1.16	J	ND	
ug/L	11/06/17	1.1	--	10	ND	ND	ND	ND	3.32	J	25.2	ND	ND	ND	
ug/L	05/09/18	1.1	--	10	1.54	J	1.34	J	1.11	J	17.1	1.54	J	ND	
ug/L	11/15/18	1.4	10	--	ND	ND	ND	ND	2.91	J	4.93	J	1.79	J	
(Dissolved)	ug/L	05/15/19	1.4	10	--	1.45	B	1.70	B	1.76	B	11.0 (10.5)	3.68	B	ND
ug/L	05/15/19	1.4	10	--	--	--	--	--	8.66	J	--	--	--	--	
ug/L	11/11/19	1.4	10	--	ND	ND	ND	ND	3.27	J	ND	ND	ND	ND	
ug/L	05/19/20	1.4	10	--	ND	ND	ND	ND	3.38	J	ND	ND	ND	ND	
ug/L	11/10/20	1.4	10	--	1.59	J	ND	ND	2.74	J	3.97	J	ND	ND	
ug/L	05/18/21	1.4	10	--	1.63	J	1.78	J	3.43	J	3.89	J	ND	ND	
ug/L	11/08/21	1.4	10	--	ND	ND	ND	ND	ND	6.08	J	ND	ND	ND	
ug/L	05/10/22	1.4	10	--	2.24	J	1.91	J	ND	ND	2.90	J	ND	ND	
Copper NC 2L = 1000 ug/L EPA MCL = 1300 ug/L#	ug/L	01/16/00	--	--	10	ND	ND	ND	--	--	--	--	--		
	ug/L	02/18/97	--	--	50	ND	ND	ND	--	--	--	--	--		
	ug/L	08/29/97	--	--	200	ND	ND	ND	--	--	--	--	--		
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--		
	ug/L	07/12/01	--	--	200	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	10/24/01	--	--	200	ND	ND	ND	ND	ND	ND	ND	--	--	
	ug/L	05/28/02	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/02	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	05/29/03	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/03	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	11/23/04	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	05/16/05	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	11/25/05	--	--	200	--	--	--	--	--	--	--	--	--	
	ug/L	05/24/06	--	--	200	--	--	--	--	--	--	--	--	ND	
	ug/L	11/20/06	--	--	200	--	--	--	--	--	--	--	--	ND	
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	ND	6.00	J	ND	
	ug/L	11/14/07	--	--	10	0.70	J	ND	ND	ND	ND	2.80	J	ND	
	ug/L	05/29/08	--	--	10	ND	ND	ND	ND	2.00	B	ND	8.10	J	1.00
	ug/L	11/17/08	--	--	10	ND	ND	ND	ND	ND	1.60	J	2.00	J	ND
	ug/L	05/27/09	--	--	10	ND	ND	ND	ND	ND	4.66	B	7.31	B	1.47
	ug/L	11/11/09	--	--	10	ND	ND	ND	ND	2.94	J	3.01	J	2.78	J
	ug/L	05/26/10	--	--	10	ND	ND	ND	ND	3.97	J	3.74	J	3.40	J
	ug/L	11/15/10	--	--	10	ND	ND	ND	ND	2.17	J	ND	ND	ND	ND
	ug/L	05/09/11	--	--	10	ND	ND	ND	ND	ND	ND	5.54	J	ND	ND
	ug/L	11/14/11	--	--	10	ND	ND	ND	ND	ND	2.65	J	2.99	J	ND
	ug/L	05/08/12	--	--	10	ND	ND	ND	ND	1.80	J	ND	6.63	J	ND
	ug/L	11/05/12	--	--	10	ND	ND	ND	ND	ND	ND	1.99	J	ND	ND
ug/L	05/14/13	--	--	10	ND	ND	ND	ND	1.90	J	ND	8.83	J	ND	
ug/L	11/12/13	--	--	10	ND	ND	ND	ND	ND	3.28	J	13.7	ND	ND	
ug/L	05/13/14	--	--	10	ND	ND	ND	ND	3.36	J	1.77	J	13.5	ND	
ug/L	11/17/14	1.6	--	10	ND	ND	ND	ND	ND	ND	29.8	ND	ND	ND	
ug/L	05/12/15	1.6	--	10	ND	ND	ND	ND	7.11	J	2.41	J	4.39	J	
ug/L	11/09/15	1.6	--	10	ND	ND	ND	ND	3.22	J	ND	12.7	ND	ND	
ug/L	05/10/16	1.6</													

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN		
Lead NC 2L = 15 ug/L EPA MCL = 15 ug/L [#]	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	08/29/97	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	10/10/00	--	--	10	ND	ND	11	14	ND	ND	--	
	ug/L	07/12/01	--	--	10	ND	10	11	44	ND	ND	--	
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	12	--	
	ug/L	05/28/02	--	--	10	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/02	--	--	10	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	10	ND	ND	ND	28	ND	ND	--	
	ug/L	11/05/03	--	--	10	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	10	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	10	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/16/05	--	--	10	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	10	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	10	ND	ND	ND	17	ND	ND	ND	
	ug/L	05/22/07	--	--	10	3.1	J	2.8	J	ND	ND	ND	
	ug/L	11/14/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	10	ND	ND	ND	2.5	J	ND	ND	
	ug/L	05/27/09	--	--	10	ND	ND	ND	1.9	J	ND	ND	
	ug/L	11/11/09	--	--	10	2.00	J	2.38	J	2.79	J	3.46	J
	ug/L	05/26/10	--	--	10	ND	J	2.85	J	5.26	J	ND	ND
	ug/L	11/15/10	--	--	10	ND	J	2.64	J	4.19	J	3.63	J
	ug/L	05/09/11	--	--	10	ND	J	3.24	J	ND	J	2.92	J
	ug/L	11/14/11	--	--	10	ND	J	ND	ND	ND	J	3.89	J
	ug/L	05/08/12	--	--	10	ND	J	ND	ND	ND	J	4.65	J
	ug/L	11/05/12	--	--	10	2.69	J	ND	2.41	J	ND	3.20	J
ug/L	05/14/13	--	--	10	ND	J	ND	ND	2.69	J	ND	ND	
ug/L	11/12/13	--	--	10	ND	J	ND	ND	ND	J	ND	ND	
ug/L	05/13/14	--	--	10	ND	J	ND	ND	3.10	J	ND	ND	
ug/L	11/17/14	2.1	--	10	ND	J	ND	ND	ND	J	2.82	J	
ug/L	05/12/15	2.1	--	10	ND	J	ND	ND	6.18	J	ND	ND	
ug/L	11/09/15	2.1	--	10	ND	J	ND	ND	4.44	J	3.18	J	
ug/L	05/10/16	2.1	--	10	ND	J	ND	ND	ND	J	ND	ND	
ug/L	11/07/16	3.1	--	10	ND	J	ND	ND	4.67	J	8.14	J	
ug/L	05/09/17	3.1	--	10	ND	J	ND	ND	6.31	J	ND	ND	
ug/L	11/06/17	3.1	--	10	ND	J	ND	ND	ND	J	ND	ND	
ug/L	05/09/18	3.1	--	10	ND	J	ND	ND	ND	J	ND	ND	
ug/L	11/15/18	3.1	10	--	ND	J	ND	ND	12.4	J	ND	ND	
ug/L	05/15/19	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
ug/L	11/11/19	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
ug/L	05/19/20	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
ug/L	11/10/20	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
ug/L	05/18/21	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
ug/L	11/08/21	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
ug/L	05/10/22	3.1	10	--	ND	J	ND	ND	ND	J	ND	ND	
Mercury NC 2L = 1 ug/L EPA MCL = 2 ug/L	ug/L	10/10/00	--	--	1	ND	ND	ND	ND	ND	ND	--	
	ug/L	07/12/01	--	--	--	--	--	--	--	--	--	--	
	ug/L	10/24/01	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/28/02	--	--	1	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/02	--	--	--	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	1	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/03	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	0.5	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	1	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/16/05	--	--	0.5	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	1	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	--	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	0.2	ND	ND	ND	ND	ND	--	--	
	ug/L	11/14/07	--	--	0.2	ND	ND	ND	ND	ND	ND	0.16	
	ug/L	05/29/08	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/11	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	0.2	0.264	ND	ND	ND	ND	ND	ND	
	ug/L	05/08/12	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/12	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/14/13	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/12/13	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/13/14	--	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/14	0.17	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/12/15	0.17	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/09/15	0.17	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/10/16	0.17	--	0.2	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/07/16	0.17	--	0.2	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	0.17	--	0.2	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	0.099	--	0.2	0.0990	B	ND	ND	0.156	B	ND	0.141	
ug/L	05/09/18	0.15	--	0.2	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.15	0.20	--	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks			
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN					
Nickel NC 2L = 100 ug/L No EPA MCL	ug/L	10/08/96	--	--	50	ND	ND	ND	--	--	--	--	--			
	ug/L	02/18/97	--	--	50	ND	ND	ND	--	--	--	--	--			
	ug/L	08/29/97	--	--	50	ND	ND	ND	--	--	--	--	--			
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	07/12/01	--	--	50	ND	ND	ND	ND	ND	ND	ND	--			
	ug/L	10/24/01	--	--	50	ND	ND	ND	ND	ND	ND	ND	--			
	ug/L	05/28/02	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	11/05/02	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	05/29/03	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	11/05/03	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	05/25/04	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	11/23/04	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	05/16/05	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	11/25/05	--	--	50	--	--	--	--	--	--	--	--			
	ug/L	05/24/06	--	--	50	--	--	--	--	--	--	--	ND			
	ug/L	11/20/06	--	--	50	--	--	--	--	--	--	--	ND			
	ug/L	05/22/07	--	--	50	2.7	J	ND	ND	37.5	J	ND	ND	ND		
	ug/L	11/14/07	--	--	50	ND		ND	ND	10.4	J	2.1	J	ND		
	ug/L	05/29/08	--	--	50	2.8	J	ND	ND	4.8	J	2.6	J	ND		
	ug/L	11/17/08	--	--	50	2.8	B	1.9	B	6.3	B	2.5	B	ND	3.2	
	ug/L	05/27/09	--	--	50	1.6	B	0.8	B	5.6	J	2.6	B	1.2	0.7	
	ug/L	11/11/09	--	--	50	ND		16.7	J	25.5	J	4.41	J	ND	ND	
	ug/L	05/26/10	--	--	50	ND		2.40	J	4.82	J	2.69	J	ND	ND	
	ug/L	11/15/10	--	--	50	ND		1.96	J	6.51	J	ND	J	ND	ND	
	ug/L	05/09/11	--	--	50	ND		ND	ND	4.28	J	2.97	J	ND	ND	
	ug/L	11/14/11	--	--	50	ND		ND	ND	2.85	J	7.01	J	ND	ND	
	ug/L	05/08/12	--	--	50	2.46	J	ND	ND	8.28	J	7.92	J	ND	ND	
	ug/L	11/05/12	--	--	50	13.0	J	ND	ND	12.3	J	6.85	J	ND	ND	
	ug/L	05/14/13	--	--	50	3.45	J	1.80	J	2.81	J	15.4	J	5.87	J	ND
	ug/L	11/12/13	--	--	50	ND		ND	ND	2.23	J	11.1	J	5.69	J	ND
	ug/L	05/13/14	--	--	50	ND		2.81	J	36.5	J	5.43	J	ND	ND	
	ug/L	11/17/14	1.8	--	50	ND		ND	ND	8.35	J	6.28	J	ND	ND	
	ug/L	05/12/15	1.8	--	50	2.00	B	ND	ND	14.1	J	7.78	B	ND	1.89	
	ug/L	11/09/15	1.8	--	50	ND		ND	ND	10.1	J	7.50	J	ND	ND	
	ug/L	05/10/16	1.8	--	50	ND		ND	ND	7.22	J	13.2	J	ND	ND	
	ug/L	11/07/16	2.2	--	50	ND		ND	ND	11.3	J	7.25	J	ND	ND	
	ug/L	05/09/17	2.2	--	50	ND		ND	ND	12.4	J	10.4	J	ND	ND	
	ug/L	11/06/17	2.2	--	50	ND		ND	ND	8.30	B	24.6	J	ND	2.23	
ug/L	05/09/18	2.2	--	50	ND		ND	ND	8.12	J	12.9	J	ND	ND		
ug/L	11/15/18	2.2	10	--	2.21	J	ND	ND	14.8	J	5.29	J	2.52	J		
ug/L	05/15/19	2.2	10	--	ND		ND	ND	13.9	J	10.3	J	2.32	J		
ug/L	11/11/19	2.2	10	--	ND		ND	ND	2.87	J	ND	J	ND	ND		
ug/L	05/19/20	2.2	10	--	ND		ND	ND	2.67	J	ND	J	ND	ND		
ug/L	11/10/20	2.2	10	--	ND		ND	ND	3.59	J	2.87	J	ND	ND		
ug/L	05/18/21	2.2	10	--	ND		ND	ND	8.47	J	2.66	J	ND	ND		
ug/L	11/08/21	2.2	10	--	ND		ND	ND	ND	J	3.58	J	ND	ND		
ug/L	05/10/22	2.2	10	--	ND		ND	ND	ND	J	ND	J	ND	ND		
Selenium NC 2L = 20 ug/L EPA MCL = 50 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	10/24/96	--	--	20	ND	ND	ND	--	--	--	--	--			
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	02/19/97	--	--	5	--	--	--	--	--	--	--	--			
	ug/L	04/24/97	--	--	20	--	--	--	--	--	--	--	--			
	ug/L	08/28/97	--	--	20	--	--	--	--	--	--	--	--			
	ug/L	08/29/97	--	--	20	ND	ND	ND	--	--	--	--	--			
	ug/L	10/09/97	--	--	20	--	--	--	--	--	--	--	--			
	ug/L	10/30/97	--	--	--	--	--	--	--	--	--	--	--			
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	02/24/98	--	--	5	--	--	--	--	--	--	--	--			
	ug/L	04/20/98	--	--	20	--	--	--	--	--	--	--	--			
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	10/27/98	--	--	20	--	--	--	--	--	--	--	--			
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	04/20/99	--	--	20	--	--	--	--	--	--	--	--			
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	08/24/99	--	--	5	--	--	--	--	--	--	--	--			
	ug/L	01/11/00	--	--	5	--	--	--	--	--	--	--	--			
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--			
	ug/L	02/22/00	--	--	5	--	--	--	--	--	--	--	--			
	ug/L	10/10/00	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	07/12/01	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	10/24/01	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/28/02	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/05/02	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/29/03	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/05/03	--	--	20	--	--	--	--	--	--	--	--	--		
	ug/L	05/25/04	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/23/04	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/16/05	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	11/25/05	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	--		
	ug/L	05/24/06	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/20/06	--	--	20	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/14/07	--	--	10	ND	ND	ND	ND	2.0	B	ND	ND	3.1		
	ug/L	05/29/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	2.1		
	ug/L	11/17/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	05/27/09	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	ug/L	11/11/09	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	3.41		
	ug/L	05/26/10	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	3.71		
	ug/L	11/15/10	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/11	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/14/11	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/08/12	--	--	10	ND	ND	ND	ND	ND	ND	6.46	B	4.01			
ug/L	11/05/12	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/14/13	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/12/13	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/13/14	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/17/14	5.0	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/12/15	5.0	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/09/15	5.0	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/10/16	5.0	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/07/16	6.2	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/09/17	6.2	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	11/06/17	6.2	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ug/L	05/09/18	6.2	--	10	ND	ND	ND	ND</								

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN		
Silver NC 2L = 20 ug/L EPA MCL = 100 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	--	--	10	--	--	--	--	--	--	--	--
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	02/19/97	--	--	5	--	--	--	--	--	--	--	--
	ug/L	04/24/97	--	--	10	--	--	--	--	--	--	--	--
	ug/L	08/28/97	--	--	10	--	--	--	--	--	--	--	--
	ug/L	08/29/97	--	--	10	ND	ND	ND	--	--	--	--	--
	ug/L	10/09/97	--	--	10	--	--	--	--	--	--	--	--
	ug/L	10/30/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	02/24/98	--	--	5	--	--	--	--	--	--	--	--
	ug/L	04/20/98	--	--	10	--	--	--	--	--	--	--	--
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	10/27/98	--	--	10	--	--	--	--	--	--	--	--
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/99	--	--	10	--	--	--	--	--	--	--	--
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	08/24/99	--	--	5	--	--	--	--	--	--	--	--
	ug/L	01/11/00	--	--	5	--	--	--	--	--	--	--	--
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--
	ug/L	02/22/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/10/00	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	07/12/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/28/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/29/03	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/03	--	--	10	--	--	--	--	--	--	--	--
	ug/L	05/25/04	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/23/04	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/16/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/25/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/20/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/29/08	--	--	10	ND	ND	ND	ND	3.0	B	ND	ND
	ug/L	11/17/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/27/09	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
ug/L	05/26/10	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/10	--	--	10	ND	ND	1.93	J	ND	ND	ND	ND	
ug/L	05/09/11	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/14/11	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/08/12	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/05/12	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/14/13	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/12/13	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/13/14	--	--	10	ND	ND	ND	ND	31.5 (ND)	ND	ND	ND	
ug/L	11/17/14	1.9	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/12/15	1.9	--	10	ND	ND	1.97	J	ND	ND	ND	ND	
ug/L	11/09/15	1.9	--	10	ND	ND	1.99	J	5.26	J	ND	ND	
ug/L	05/10/16	1.9	--	10	ND	ND	ND	J	ND	ND	ND	ND	
ug/L	11/07/16	1.9	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	1.9	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/06/17	1.9	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	1.9	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	1.9	10	--	ND	ND	ND	ND	ND	ND	ND	ND	
Thallium NC 2L = 2 ug/L EPA MCL = 2 ug/L	ug/L	10/08/96	--	--	1	ND	ND	ND	--	--	--	--	
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/18/97	--	--	1	ND	ND	ND	--	--	--	--	
	ug/L	02/19/97	--	--	1	--	--	--	--	--	--	--	
	ug/L	04/24/97	--	--	--	--	--	--	--	--	--	--	
	ug/L	08/28/97	--	--	10	--	--	--	--	--	--	--	
	ug/L	08/29/97	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	10/09/97	--	--	--	--	--	--	--	--	--	--	
	ug/L	10/30/97	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	02/24/98	--	--	10	--	--	--	--	--	--	--	
	ug/L	04/20/98	--	--	--	--	--	--	--	--	--	--	
	ug/L	08/24/98	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	10/27/98	--	--	--	--	--	--	--	--	--	--	
	ug/L	02/22/99	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	04/20/99	--	--	--	--	--	--	--	--	--	--	
	ug/L	08/23/99	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	08/24/99	--	--	10	--	--	--	--	--	--	--	
	ug/L	01/11/00	--	--	10	--	--	--	--	--	--	--	
	ug/L	02/21/00	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	02/22/00	--	--	10	--	--	--	--	--	--	--	
	ug/L	10/10/00	--	--	10	--	--	--	--	--	--	--	
	ug/L	07/12/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/28/02	--	--	10	--	--	--	--	--	--	--	--
	ug/L	11/05/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/03	--	--	10	--	--	--	--	--	--	--	--
	ug/L	11/05/03	--	--	10	--	--	--	--	--	--	--	--
	ug/L	05/25/04	--	--	10	--	--	--	--	--	--	--	--
	ug/L	11/23/04	--	--	10	--	--	--	--	--	--	--	--
	ug/L	05/16/05	--	--	10	--	--	--	--	--	--	--	--
	ug/L	11/25/05	--	--	10	--	--	--	--	--	--	--	--
	ug/L	05/24/06	--	--	10	--	--	--	--	--	--	--	ND
	ug/L	11/20/06	--	--	10	--	--	--	--	--	--	--	ND
	ug/L	05/22/07	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/07	--	--	5.5	0.077	J	ND	ND	ND	ND	ND	ND
	ug/L	05/29/08	--	--	5.5	ND	J	ND	ND	ND	ND	ND	ND
	ug/L	11/17/08	--	--	5.5	ND	ND	ND	ND	0.041	J	ND	ND
	ug/L	05/27/09	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	5.5	ND	ND	ND	ND	ND	ND	4.78	J
ug/L	05/26/10	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/10	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/11	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/14/11	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/08/12	--	--	5.5	ND	ND	0.253	J	ND	ND	ND	ND	
ug/L	11/05/12	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/14/13	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/12/13	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/13/14	--	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/17/14	0.11	--	5.5	ND	0.116	J	ND	ND	ND	ND	ND	
ug/L	05/12/15	0.11	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/09/15	0.11	--	5.5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/16	0.11</											

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks			
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN					
Vanadium NC 2L = 7 ug/L No EPA MCL	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	08/29/97	--	--	40	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	08/24/98	--	--	5	ND	ND	6.06	--	--	--	--	--	--	--	
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	02/21/00	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	07/12/01	--	--	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	10/24/01	--	--	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/28/02	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/02	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/29/03	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/03	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/23/04	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/16/05	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/25/05	--	--	40	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/24/06	--	--	40	--	--	--	--	--	--	--	--	--	ND	
	ug/L	11/20/06	--	--	40	--	--	--	--	--	--	--	--	--	ND	
	ug/L	05/22/07	--	--	25	ND	ND	ND	2.6	J	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	25	ND	ND	ND	1.6	J	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	25	ND	ND	ND	5.4	B	1.7	B	1.0	B	1.2	
	ug/L	11/17/08	--	--	25	ND	ND	ND	14.4	J	1.6	J	ND	B	ND	
	ug/L	05/27/09	--	--	25	ND	1.0	J	0.9	J	5.8	J	0.8	J	ND	
	ug/L	11/11/09	--	--	25	ND	4.26	J	ND	J	6.65	J	3.41	J	ND	
	ug/L	05/26/10	--	--	25	ND	ND	J	3.17	J	18.7	J	3.27	J	ND	
	ug/L	11/15/10	--	--	25	ND	3.56	J	ND	J	6.05	J	1.78	J	ND	
	ug/L	05/09/11	--	--	25	ND	ND	J	ND	J	ND	J	ND	J	ND	
	ug/L	11/14/11	--	--	25	ND	ND	J	ND	J	ND	J	5.92	J	ND	
	ug/L	05/08/12	--	--	25	ND	ND	J	3.84	J	ND	J	4.24	J	ND	
	ug/L	11/05/12	--	--	25	6.85	J	J	ND	J	ND	J	3.33	J	ND	
	ug/L	05/14/13	--	--	25	ND	ND	J	ND	J	7.66	J	ND	J	ND	
	ug/L	11/12/13	--	--	25	ND	ND	J	ND	J	ND	J	ND	J	ND	
	ug/L	05/13/14	--	--	25	ND	3.02	J	ND	J	8.66	J	3.76	J	ND	
	ug/L	11/17/14	1.4	--	25	ND	ND	J	ND	J	ND	J	3.82	J	ND	
	ug/L	05/12/15	1.4	--	25	ND	ND	J	ND	J	35.3	J	14.5	J	ND	
	(Dissolved)	ug/L	05/12/15	1.4	--	25	ND	J	ND	J	2.79	J	ND	J	ND	
	ug/L	11/09/15	1.4	--	25	ND	ND	J	ND	J	13.4	J	9.06	J	ND	
	ug/L	05/10/16	1.4	--	25	ND	ND	J	2.84	J	9.97	J	3.31	J	ND	
	ug/L	11/07/16	1.4	--	25	ND	ND	J	ND	J	18.8	J	9.95	J	ND	
	ug/L	05/09/17	1.4	--	25	ND	ND	J	ND	J	26.6	J	8.94	J	ND	
	(Dissolved)	ug/L	05/09/17	1.4	--	25	ND	J	ND	J	ND	J	ND	J	ND	
	ug/L	11/06/17	1.4	--	25	ND	1.74	J	ND	J	ND	J	ND	J	ND	
	ug/L	05/09/18	1.4	--	25	ND	ND	J	ND	J	6.43	J	1.42	J	ND	
ug/L	11/15/18	1.4	10	--	ND	ND	J	ND	J	50.7	J	7.71	J	ND		
(Dissolved)	ug/L	11/15/18	1.4	10	--	ND	J	ND	J	8.94	J	ND	J	ND		
(Verification Event)	ug/L	01/29/19	1.4	10	--	ND	J	ND	J	8.14	J	ND	J	ND		
(Dissolved - Verification Event)	ug/L	01/29/19	1.4	10	--	ND	J	ND	J	ND	J	ND	J	ND		
ug/L	05/15/19	1.4	10	--	ND	ND	J	ND	J	7.81	J	9.82	J	ND		
ug/L	11/11/19	1.4	10	--	ND	ND	J	ND	J	ND	J	ND	J	ND		
ug/L	05/19/20	1.4	10	--	ND	2.36	J	1.51	J	5.31	J	ND	J	ND		
ug/L	11/10/20	1.4	10	--	ND	ND	J	ND	J	ND	J	ND	J	ND		
ug/L	05/18/21	1.4	10	--	ND	ND	J	ND	J	ND	J	ND	J	ND		
ug/L	11/08/21	1.4	10	--	ND	ND	J	ND	J	ND	J	ND	J	ND		
ug/L	05/10/22	1.4	10	--	ND	ND	J	ND	J	ND	J	ND	J	ND		
Zinc NC 2L = 1000 ug/L EPA MCL = 5000 ug/L	ug/L	10/08/96	--	--	24	18	18	30.5	--	--	--	--	--	--	--	
	ug/L	02/18/97	--	--	10	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	08/29/97	--	--	50	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	5	ND	ND	6.27	--	--	--	--	--	--	--	
	ug/L	08/24/98	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	02/22/99	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--	--	--	--	
	ug/L	02/21/00	--	--	5	ND	7.39	ND	--	--	--	--	--	--	--	
	ug/L	07/12/01	--	--	50	ND	ND	ND	413	ND	ND	ND	ND	ND	ND	
	ug/L	10/24/01	--	--	20	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	
	ug/L	05/28/02	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/02	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/29/03	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/03	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/23/04	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/16/05	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/25/05	--	--	50	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/24/06	--	--	50	--	--	--	--	--	--	--	--	--	ND	
	ug/L	11/20/06	--	--	50	--	--	--	--	--	--	--	--	--	ND	
	ug/L	05/22/07	--	--	10	2.1	J	J	2.7	J	1.1	J	5.6	J	1.1	J
	ug/L	11/14/07	--	--	10	2.5	J	J	3.1	J	ND	J	3.1	J	1.4	J
	ug/L	05/29/08	--	--	10	2.0	J	J	4.8	B	ND	J	4.3	B	1.6	B
	ug/L	11/17/08	--	--	10	ND	J	J	ND	J	13.5	B	ND	J	3.9	B
	ug/L	05/27/09	--	--	10	ND	J	J	6.0	J	ND	J	6.4	J	7.4	J
	ug/L	11/11/09	--	--	10	ND	J	J	7.45	J	ND	J	4.86	J	ND	J
	ug/L	05/26/10	--	--	10	ND	J	J	6.82	J	ND	J	6.41	J	ND	J
	ug/L	11/15/10	--	--	10	ND	J	J	ND	J	ND	J	4.64	J	ND	J
	ug/L	05/09/11	--	--	10	ND	J	J	6.43	J	ND	J	ND	J	ND	J
	ug/L	11/14/11	--	--	10	ND	J	J	ND	J	ND	J	3.85	J	ND	J
	ug/L	05/08/12	--	--	10	ND	J	J	ND	J	ND	J	ND	J	ND	J
	ug/L	11/05/12	--	--	10	ND	J	J	ND	J	4.21	J	ND	J	ND	J
	ug/L	05/14/13	--	--	10	ND	J	J	5.08	J	ND	J	ND	J	ND	J
	ug/L	11/12/13	--	--	10	ND	J	J	4.47	J	5.26	J	4.80	J	4.14	J
	ug/L	05/13/14	--	--	10	ND	J	J	4.60	J	ND	J	ND	J	ND	J
	ug/L	11/17/14	3.8	--	10	ND	J	J	ND	J	12.4	J	ND	J	4.26	J
	ug/L	05/12/15	3.8	--	10	39.3	J	J	11.8	J	16.5	J	7.85	J	ND	J
	ug/L	11/09/15	3.8	--	10	ND	J	J	ND	J	5.72	J	4.38	J	ND	J
	ug/L	05/10/16	3.8	--	10	ND	J	J	ND	J	8.95	J	ND	J	4.88	J
	ug/L	11/07/16	4.4	--	10	ND	J	J	ND	J	12.7	J	49.9	J	23.6	J
	ug/L	05/09/17	4.4	--	10	ND	J	J	ND	J	13.8	J	7.27	J	6.44	J
	ug/L	11/06/17	4.4	--	10	ND	J	J	ND	J	12.1	J	ND	J	6.84	J
	ug/L	05/09/18	4.4	--	10	ND	J	J	ND	J	5.04	J	ND	J	10.6	J
	ug/L	11/15/18	4.4	10	--	ND	J	J	ND	J	25.0	J	ND	J		

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks	
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN			
Iron Proposed Site-Specific GPS = 75528 EPA MCL = 300 ug/L NC 2L = 300 ug/L EPA MCL = 300 ug/L	ug/L	10/08/96	--	--	50	ND	1600	2600	--	--	--	--	--	
	ug/L	02/18/97	--	--	50	ND	4600	1100	--	--	--	--	--	
	ug/L	08/29/97	--	--	50	ND	54500	2300	--	--	--	--	--	
	ug/L	02/23/98	--	--	50	ND	53100	5380	--	--	--	--	--	
	ug/L	08/24/98	--	--	50	ND	79200	56000	--	--	--	--	--	
	ug/L	02/22/99	--	--	50	ND	63300	83600	--	--	--	--	--	
	ug/L	08/23/99	--	--	50	311	76400	68600	--	--	--	--	--	
	ug/L	02/21/00	--	--	50	ND	73300	61400	--	--	--	--	--	
	ug/L	10/10/00	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	07/12/01	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	10/24/01	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/28/02	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/02	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/29/03	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/05/03	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/25/04	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/23/04	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/16/05	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/25/05	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/24/06	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	11/20/06	--	--	--	--	--	--	--	--	--	--	--	
	ug/L	05/22/07	--	--	300	47	J	45900	39000	2020	--	--	ND	
	ug/L	11/14/07	--	--	300	154	J	23700	1430	961	77	B	637	
	ug/L	05/29/08	--	--	300	33	J	31200	32600	1590	333	--	702	
	ug/L	11/17/08	--	--	300	31	J	22900	25000	6920	1130	--	600	
	ug/L	05/27/09	--	--	300	ND	--	35300	28200	1950	251	J	660	
	ug/L	11/11/09	--	--	300	ND	--	17700	7120	2780	1280	--	533	
	ug/L	05/26/10	--	--	300	ND	--	39600	34500	8530	1730	--	494	
	ug/L	11/15/10	--	--	300	ND	--	35600	11300	2070	417	--	531	
	ug/L	05/09/11	--	--	300	ND	--	34400	22000	133	J	323	640	
	ug/L	11/14/11	--	--	300	46.8	J	15600	4840	124	J	1960	575	
	mg/L	05/08/12	--	--	300	132	J	18200	4330	1540	1480	--	604	
	ug/L	11/05/12	--	--	300	3540	--	21900	19100	472	1390	--	455	
	ug/L	05/14/13	--	--	300	275	J	13200	87.2	J	2880	245	J	508
	ug/L	11/12/13	--	--	300	628	--	18200	7460	295	J	526	556	
	ug/L	05/13/14	--	--	300	ND	--	15900	12400	3110	1350	--	577	
	ug/L	11/17/14	22	--	300	46.8	J	9570	1980	244	J	1080	2160	
	ug/L	05/12/15	22	--	300	32.3	B	13100	5730	14600	6850	604	58.3	
	ug/L	11/09/15	22	--	300	ND	--	5920	4170	4930	3920	723	ND	
	ug/L	05/10/16	22	--	300	52.7	J	34600	22300	3990	1510	939	ND	
ug/L	11/07/16	22	--	300	33.9	J	16500	794	7000	4640	700	ND		
ug/L	05/09/17	22	--	300	ND	--	27100	13200	9570	3980	580	ND		
ug/L	11/06/17	22	--	300	ND	--	38300	653	253	J	422	554		
ug/L	05/09/18	22	--	300	80.5	J	18400	254	J	1940	332	620		
ug/L	11/15/18	22	50	--	ND	--	6680	14100	18700	2970	547	ND		
(Dissolved)	ug/L	11/15/18	22	50	--	--	--	--	3180	--	--	--		
(Verification Event)	ug/L	01/29/19	22	50	--	--	--	--	2510	--	--	ND		
(Dissolved - Verification Event)	ug/L	01/29/19	22	50	--	--	--	--	50	--	--	ND		
ug/L	05/15/19	22	50	--	ND	--	30400	22500	2780	4330	598	ND		
ug/L	11/11/19	22	50	--	ND	--	34200	882	83.5	42.0	J	660		
ug/L	05/19/20	22	50	--	ND	--	27800	15800	1490	44.5	J	658		
ug/L	11/10/20	22	50	--	ND	--	31600	11200	483	30.2	J	716		
ug/L	05/18/21	22	50	--	ND	--	34100	29500	557	158	--	715		
ug/L	11/08/21	22	50	--	ND	--	39800	1170	175	37.5	J	793		
ug/L	05/10/22	22	50	--	36.7	J	24700	103	80.8	23.9	J	1220		
Manganese Proposed Site-Specific GPS = 792 NC 2L = 50 ug/L EPA MCL = 50 ug/L	ug/L	10/08/96	--	--	10	ND	ND	15	--	--	--	--		
	ug/L	02/18/97	--	--	10	ND	32	11	--	--	--	--		
	ug/L	08/29/97	--	--	30	ND	118	ND	--	--	--	--		
	ug/L	02/23/98	--	--	10	ND	194	81.4	--	--	--	--		
	ug/L	08/24/98	--	--	23.3	ND	274	508	--	--	--	--		
	ug/L	02/22/99	--	--	10	ND	247	585	--	--	--	--		
	ug/L	08/23/99	--	--	10	13.3	327	501	--	--	--	--		
	ug/L	02/21/00	--	--	10	ND	381	528	--	--	--	--		
	ug/L	02/22/00	--	--	--	--	--	--	--	--	--	--		
	ug/L	10/10/00	--	--	--	--	--	--	--	--	--	--		
	ug/L	07/12/01	--	--	--	--	--	--	--	--	--	--		
	ug/L	10/24/01	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/28/02	--	--	--	--	--	--	--	--	--	--		
	ug/L	11/05/02	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/29/03	--	--	--	--	--	--	--	--	--	--		
	ug/L	11/05/03	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/25/04	--	--	--	--	--	--	--	--	--	--		
	ug/L	11/23/04	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/16/05	--	--	--	--	--	--	--	--	--	--		
	ug/L	11/25/05	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/24/06	--	--	--	--	--	--	--	--	--	--		
	ug/L	11/20/06	--	--	--	--	--	--	--	--	--	--		
	ug/L	05/22/07	--	--	50	15.0	J	274	371	21.9	J	--	ND	
	ug/L	11/14/07	--	--	50	14.9	J	212	29.4	J	23.1	J	69.2	
	ug/L	05/29/08	--	--	50	20.6	J	205	308	17.5	J	50.3	32.7	
	ug/L	11/17/08	--	--	50	15.4	J	228	410	17.3	J	12.3	J	
	ug/L	05/27/09	--	--	50	10.4	J	204	391	15.7	J	33.7	J	
	ug/L	11/11/09	--	--	50	10.5	J	182	103	20.6	J	66.6	28.5	
	ug/L	05/26/10	--	--	50	12.5	J	218	315	14.2	J	12.9	J	
	ug/L	11/15/10	--	--	50	11.1	J	175	289	21.1	J	30.2	J	
	ug/L	05/09/11	--	--	50	17.1	J	210	323	14.8	J	47.7	J	
	ug/L	11/14/11	--	--	50	20.7	J	158	99.1	9.81	J	62.1	23.5	
	mg/L	05/08/12	--	--	50	16.8	J	112	132	11.6	J	61.8	24.5	
	ug/L	11/05/12	--	--	50	21.1	J	137	180	13.1	J	69.3	21.2	
	ug/L	05/14/13	--	--	50	19.0	J	113	26.0	J	9.35	J	33.6	
	ug/L	11/12/13	--	--	50	20.0	J	112	235	10.9	J	49.0	J	
	ug/L	05/13/14	--	--	50	25.2	J	162	231	13.5	J	24.7	J	
	ug/L	11/17/14	1.1	--	50	27.5	J	98.3	66.5	26.2	J	56.5	22.3	
	ug/L	05/12/15	1.1	--	50	21.5	J	88.8	199	21.4	J	13.4	J	
	ug/L	11/09/15	1.1	--	50	26.1	J	182	131	10.7	J	11.5	J	
ug/L	05/10/16	1.1	--	50	30.0	J	221	422	26.7	J	14.4	J		
ug/L	11/07/16	1.1	--	50	17.7	J	141	186	24.2	J	17.9	J		
ug/L	05/09/17	1.1	--	50	16.5	J	203	275	29.2	J	11.4	J		
(Verification Event)	ug/L	05/09/17	1.1	--	50	--	--	--	29.8	J	--	--		
(Verification Event - Dissolved)	ug/L	11/06/17	1.1	--	50	8.40	J	199	88.5	78.0	55.6	16.3		
ug/L	11/06/17	1.1	--	50	--	--	--	--	26.7	J	--	--		
ug/L	05/09/18	1.1	--	50	7.39	J	167	59.7	15.8	J	42.1	J		
ug/L	11/15/18	1.5	10	--	8.90	J	136	631	28.6	--	11.4	22.6		
ug/L	05/15/19	1.5	10	--	13.0	--	264	567	22.3	--	21.9	21.4		
ug/L	11/11/19	1.5	10	--	5.56	J	200	85.1	59.9	--	24.3	21.2		
(Verification Event)	ug/L	01/06/20	1.5	10	--	--	--	--	18.2	--	--	--		
(Verification Event - Dissolved)	ug/L	01/06/20	1.5	10	--	--	--	--	14.9	--	--	--		
ug/L	05/19/20	1.5	10	--	5.05	J	235	444	15.7	--	7.14	J		
ug/L</														

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN		
Chloroethane NC 2L = 3000 ug/L No EPA MCL	ug/L	10/08/96	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	02/18/97	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	08/29/97	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	10/30/97	--	--	2	--	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	08/24/98	--	--	1	ND	1.47	1.36	--	--	--	--	
	ug/L	02/22/99	--	--	2	ND	ND	2.17	--	--	--	--	
	ug/L	08/23/99	--	--	1	ND	1.93	1.2	--	--	--	--	
	ug/L	02/21/00	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	10/10/00	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/12/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/28/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/02	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/03	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/03	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/25/04	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/23/04	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/16/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/25/05	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/11	--	--	10	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	10	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/08/12	--	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/05/12	--	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/14/13	--	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/12/13	--	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/13/14	--	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/17/14	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/12/15	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/09/15	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/16	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/07/16	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/17	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	0.23	--	10	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	0.23	1.0	--	ND	ND	ND	ND	ND	ND	ND		
Chloroform NC 2L = 70 ug/L EPA MCL = 80 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	08/29/97	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	10/30/97	--	--	2	--	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	08/24/98	--	--	1	ND	ND	ND	--	--	--	--	
	ug/L	02/22/99	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	08/23/99	--	--	1	ND	ND	ND	--	--	--	--	
	ug/L	02/21/00	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	10/10/00	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/12/01	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	10/24/01	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/28/02	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/02	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/03	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/03	--	--	5	ND	ND	ND	ND	ND	18.4	ND	
	ug/L	05/25/04	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/23/04	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/16/05	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/25/05	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/24/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/11	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	5	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/08/12	--	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/05/12	--	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/14/13	--	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/12/13	--	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/13/14	--	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/17/14	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/12/15	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/09/15	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/16	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/07/16	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/17	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	0.18	--	5	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	0.18	1.0	--	ND	ND	ND	ND	ND	ND	ND		

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN		
1,2-Dichloroethane NC 2L= 0.4 ug/L	ug/L	10/08/96	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/18/97	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	02/19/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/24/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	08/28/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	08/29/97	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/09/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/97	--	--	--	--	ND	ND	--	--	--	--	--
	ug/L	02/23/98	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	02/24/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/20/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	08/24/98	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/27/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/22/99	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	08/23/99	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	08/24/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	01/11/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/21/00	--	--	--	ND	ND	ND	--	--	--	--	--
	ug/L	02/22/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/10/00	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	07/12/01	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	10/24/01	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/28/02	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/02	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/29/03	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/03	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/25/04	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/23/04	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/16/05	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/25/05	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/24/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/20/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/22/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/27/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/14/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/12/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/17/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/12/15	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/09/15	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/16	0.21	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/07/16	0.21	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	0.21	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/06/17	0.21	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	0.21	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.21	1.0	--	ND	ND	ND	0.46	J	ND	ND	ND	
ug/L	11/10/20	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.21	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane NC 2L = 0.6 ug/L EPA MCL = 5 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	
	ug/L	08/29/97	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	10/30/97	--	--	2	--	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	08/24/98	--	--	1	ND	24.1	ND	--	--	--	--	
	ug/L	02/22/99	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	08/23/99	--	--	1	ND	ND	ND	--	--	--	--	
	ug/L	02/21/00	--	--	2	ND	ND	ND	--	--	--	--	
	ug/L	10/10/00	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	07/12/01	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	10/24/01	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/28/02	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/02	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/03	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/25/04	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/16/05	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	5	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/14/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/12/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/14	0.10	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/12/15	0.10	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/09/15	0.10	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/10/16	0.10	--	1	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/07/16	0.10	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	0.10	--	1	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	0.10	--	1	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	0.10	--	1	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	0.10	1.0	--	ND	ND	ND	ND	ND	ND	ND		

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN		
Chloromethane NC 2L = 3 ug/L No EPA MCL	ug/L	05/16/05	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	11/25/05	--	--	--	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/20/06	--	--	10	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/22/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/07	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/27/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/14/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/12/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/15	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/09/15	--	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/10/16	0.13	--	1	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/07/16	0.13	--	1	ND	ND	ND	0.84	J	ND	ND	ND
	ug/L	05/09/17	0.13	--	1	ND	ND	ND	ND	ND	ND	ND	ND
ug/L	11/06/17	0.13	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	0.13	--	1	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.13	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone NC 2L = 4000 ug/L No EPA MCL	ug/L	10/08/96	--	--	100	ND	ND	ND	--	--	--	--	
	ug/L	02/18/97	--	--	100	ND	ND	ND	--	--	--	--	
	ug/L	08/29/97	--	--	10	ND	12.5	ND	--	--	--	--	
	ug/L	10/30/97	--	--	--	--	13.5	--	--	--	--	--	
	ug/L	02/23/98	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	08/24/98	--	--	5.9	ND	ND	ND	--	--	--	--	
	ug/L	02/22/99	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	08/23/99	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	02/21/00	--	--	10	ND	ND	ND	--	--	--	--	
	ug/L	10/10/00	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	07/12/01	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	10/24/01	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/28/02	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/02	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/03	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/03	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/25/04	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/23/04	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/16/05	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/25/05	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/24/06	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	100	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	100	ND	ND	ND	ND	ND	ND	6.4	
ug/L	05/09/11	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/14/11	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/08/12	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/05/12	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/14/13	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/12/13	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/13/14	--	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/17/14	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/12/15	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/09/15	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/16	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/07/16	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/17	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	1.30	--	100	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	1.30	5.0	--	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	1.30	5.0	--	ND	ND	ND	ND	ND	ND	6.9		

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient				Blanks
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN	
Trichlorofluoromethane NC 2L = 2000 ug/L No EPA MCL	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--
	ug/L	08/29/97	--	--	2	ND	ND	2.11	--	--	--	--
	ug/L	10/30/97	--	--	2	--	ND	--	--	--	--	--
	ug/L	02/23/98	--	--	2	ND	ND	ND	--	--	--	--
	ug/L	08/24/98	--	--	1.7	ND	ND	ND	--	--	--	--
	ug/L	02/22/99	--	--	10	ND	ND	ND	--	--	--	--
	ug/L	08/23/99	--	--	5	ND	ND	ND	--	--	--	--
	ug/L	02/21/00	--	--	2	ND	ND	ND	--	--	--	--
	ug/L	10/10/00	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	07/12/01	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	10/24/01	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	05/28/02	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/02	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	05/29/03	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/03	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	05/25/04	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	11/23/04	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	05/16/05	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	11/25/05	--	--	5	ND	ND	ND	ND	ND	ND	--
	ug/L	05/24/06	--	--	5	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/20/06	--	--	5	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/22/07	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/07	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/27/09	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND
ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/14/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/12/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/17/14	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/12/15	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/09/15	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/16	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/07/16	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/06/17	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	0.24	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.24	1.0	--	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride NC 2L = 0.03 ug/L EPA MCL = 2 ug/L	ug/L	10/08/96	--	--	10	ND	ND	ND	--	--	--	--
	ug/L	02/18/97	--	--	10	ND	ND	ND	--	--	--	--
	ug/L	08/29/97	--	--	2	ND	ND	ND	--	--	--	--
	ug/L	10/30/97	--	--	2	--	ND	--	--	--	--	--
	ug/L	02/23/98	--	--	2	ND	ND	ND	--	--	--	--
	ug/L	08/24/98	--	--	1	ND	ND	ND	--	--	--	--
	ug/L	02/22/99	--	--	2	ND	ND	ND	--	--	--	--
	ug/L	08/23/99	--	--	1	ND	4.75	9.09	--	--	--	--
	ug/L	02/21/00	--	--	2	ND	ND	ND	--	--	--	--
	ug/L	10/10/00	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	07/12/01	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	10/24/01	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	05/28/02	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/02	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	05/29/03	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	11/05/03	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	05/25/04	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	11/23/04	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	05/16/05	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	11/25/05	--	--	10	ND	ND	ND	ND	ND	ND	--
	ug/L	05/24/06	--	--	10	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/20/06	--	--	10	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/22/07	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/07	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/29/08	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/08	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/27/09	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND
ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/14/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/12/13	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/13/14	--	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/17/14	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/12/15	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/09/15	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/16	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/07/16	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/17	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/06/17	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	0.32	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.32	1.0	--	ND	ND	ND	ND	ND	ND	ND	

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 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks	
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN			
Xylenes (Total) NC 2L = 500 ug/L EPA MCL = 10000 ug/L	ug/L	10/08/96	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	02/18/97	--	--	5	ND	ND	ND	--	--	--	--	--	
	ug/L	08/29/97	--	--	4	ND	ND	ND	--	--	--	--	--	
	ug/L	10/30/97	--	--	4	--	ND	--	--	--	--	--	--	
	ug/L	02/23/98	--	--	4	ND	ND	ND	--	--	--	--	--	
	ug/L	08/24/98	--	--	2	ND	ND	2.08	--	--	--	--	--	
	ug/L	02/22/99	--	--	2	ND	ND	ND	--	--	--	--	--	
	ug/L	08/23/99	--	--	2	ND	ND	ND	--	--	--	--	--	
	ug/L	02/21/00	--	--	6	ND	ND	ND	--	--	--	--	--	
	ug/L	10/10/00	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	07/12/01	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	10/24/01	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/28/02	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/02	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/29/03	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/05/03	--	--	5	ND	ND	ND	ND	ND	ND	5.9	--	
	ug/L	05/25/04	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/23/04	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/16/05	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	11/25/05	--	--	5	ND	ND	ND	ND	ND	ND	ND	--	
	ug/L	05/24/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/20/06	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/22/07	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/07	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/29/08	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/08	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/27/09	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/09	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/26/10	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/10	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/11	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/08/12	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/05/12	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/14/13	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/12/13	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/13/14	--	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/17/14	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/12/15	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/09/15	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/16	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/07/16	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/17	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/06/17	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/09/18	0.45	--	5	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/15/18	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/15/19	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/11/19	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/19/20	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/10/20	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/18/21	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	0.45	3.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
1,4-Dioxane NC 2L = 3 ug/L (Verification)	ug/L	11/15/18	1.2	2.0	--	1.3	J	1.7	J	4.0	ND	ND	ND	
	ug/L	01/29/19	1.2	2.0	--	--	--	--	--	--	--	--	ND	
	ug/L	05/15/19	1.2	2.0	--	ND	J	1.5	J	2.8	ND	ND	ND	
	ug/L	11/11/19	0.8	2.0	--	ND	J	1.8	J	2.4	ND	ND	ND	
	ug/L	05/19/20	0.8	2.0	--	ND	J	1.9	J	4.0	0.87	J	ND	
	ug/L	07/09/20	0.8	2.0	--	--	--	--	--	4.1	--	--	ND	
	ug/L	11/10/20	0.8	2.0	--	ND	J	1.8	J	5.4	1.2	J	0.81	J
	ug/L	05/18/21	0.8	2.0	--	ND	J	1.6	J	5.2	1.5	J	1.2	J
	ug/L	11/08/21	0.8	2.0	--	ND	J	2.7	J	7.3	2.5	J	1.5	J
	ug/L	05/10/22	0.8	2.0	--	ND	J	3.8	J	5.2	0.98	J	1.1	J
Tetrahydrofuran (no standard) No EPA MCL	ug/L	05/09/11	--	--	--	ND	ND	1.2	ND	ND	ND	ND	ND	
	ug/L	11/14/11	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/08/12	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/05/12	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/14/13	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/12/13	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/13/14	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/17/14	0.80	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/12/15	0.80	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/09/15	0.80	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/10/16	0.80	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/07/16	0.80	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/17	0.80	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/06/17	0.53	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/09/18	0.53	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/15/18	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/15/19	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/11/19	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	05/19/20	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	11/10/20	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	11/08/21	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
ug/L	05/10/22	0.53	1.0	--	ND	ND	ND	ND	ND	ND	ND	ND		
Chloride NC 2L = 250 mg/L EPA MCL = 250 mg/L*	mg/L	10/08/96	--	--	--	2.2		4.2		3.7	--	--	--	
	mg/L	02/18/97	--	--	--	2.4		36		1.7	--	--	--	
	mg/L	08/29/97	--	--	--	2.03		194		12.4	--	--	--	
	mg/L	02/23/98	--	--	--	3.37		186		74.1	--	--	--	
	mg/L	08/24/98	--	--	--	3.01		252		271	--	--	--	
	mg/L	02/22/99	--	--	--	3.25		212		258	--	--	--	
	mg/L	08/23/99	--	--	--	4.49		192		254	--	--	--	
	mg/L	05/22/07	--	--	--	11		43		71	0.7	--	--	
	mg/L	11/14/07	--	--	--	10		62		93	20	6.3	3.3	
	mg/L	05/29/08	--	--	--	5.9	B	37		67	5.9	B	3.7	
	mg/L	11/17/08	--	--	--	5.1		33		44	7.4	J	1.8	
	mg/L	05/27/09	--	--	--	7.9		29		42	9.5	J	3.6	
	mg/L	11/11/09	--	--	--	7.6		31		42	12	5.5	3.7	
	mg/L	05/26/10	--	--	--	6.0		40		43	8.9	J	3.7	
	mg/L	11/15/10	--	--	--	8.5	B	29		29	13	4.3	B	
	mg/L	05/09/11	--	--	--	26		29		34	9.4	B	3.3	
	mg/L	11/14/11	--	--	--	57		27		77	8.6	B	3.0	
	mg/L	05/08/12	--	--	--	43		26		130	7.5	B	2.9	
	mg/L	11/05/12	--	--	--	72		36		140	14	B	3.1	
	mg/L	05/14/13	--	--	--	49		21		160	3.6	B	3.1	
	mg/L	11/12/13	--	--	--	37		20		130	12	5.4	3.0	
	mg/L	05/13/14	--	--	--	150		9.1		97	3.3	J	3.0	
	mg/L	11/17/14	2.2	--	--	79		15		110	43	5.2	3.5	
	mg/L	05/12/15	2.2	--	--	21		11		97	3.2	J	2.4	
	mg/L	11/09/15	2.2	--	--	48		110		70	5.5	ND	2.3	
	mg/L	05/10												

TABLE 6

Summary of Groundwater Monitoring Results for C&D Wells
 Detected Constituents
 Sampson County Active C&D Landfill, Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upgradient		Downgradient					Blanks			
						MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN					
Total Dissolved Solids Proposed Site-Specific GPS = 1942 NC 2L = 500 mg/L EPA MCL = 500 mg/L*	mg/L	10/08/96	--	--	--	140	130	160	--	--	--	--	--	--		
	mg/L	02/18/97	--	--	--	10	54	22	--	--	--	--	--	--		
	mg/L	08/29/97	--	--	--	22	403	54	--	--	--	--	--	--		
	mg/L	02/23/98	--	--	--	30	452	233	--	--	--	--	--	--		
	mg/L	08/24/98	--	--	--	27	638	830	--	--	--	--	--	--		
	mg/L	02/22/99	--	--	--	36	563	1120	--	--	--	--	--	--		
	mg/L	08/23/99	--	--	--	30	556	1150	--	--	--	--	--	--		
	mg/L	05/22/07	--	--	--	28	470	860	120	--	--	--	--	ND		
	mg/L	11/14/07	--	--	--	78	570	830	180	62	44	44	ND	ND		
	mg/L	05/29/08	--	--	--	48	430	900	140	40	40	40	ND	ND		
	mg/L	11/17/08	--	--	--	38	390	890	150	32	50	50	ND	ND		
	mg/L	05/27/09	--	--	--	36	370	950	160	50	44	44	ND	ND		
	mg/L	11/11/09	--	--	--	52	360	870	160	62	18	18	ND	ND		
	mg/L	05/26/10	--	--	--	36	530	970	200	58	40	40	ND	ND		
	mg/L	11/15/10	--	--	--	18	370	1000	150	22	18	18	ND	ND		
	mg/L	05/09/11	--	--	--	110	440	940	110	50	50	50	ND	ND		
	mg/L	11/14/11	--	--	--	94	300	830	64	36	30	30	ND	ND		
	mg/L	05/08/12	--	--	--	130	290	1000	56	26	46	46	ND	ND		
	mg/L	11/05/12	--	--	--	130	320	920	48	24	10	10	ND	ND		
	mg/L	05/14/13	--	--	--	200	300	890	140	54	76	76	ND	ND		
	mg/L	11/12/13	--	--	--	110	300	890	38	46	24	24	ND	ND		
	mg/L	05/13/14	--	--	--	40	170	840	58	22	22	22	ND	ND		
	mg/L	11/17/14	10	--	--	160	250	970	100	24	10	10	ND	ND		
	mg/L	05/12/15	10	--	--	56	160	850	260	86	ND	ND	ND	ND		
	mg/L	11/09/15	10	--	--	100	230	880	110	ND	ND	ND	ND	ND		
	mg/L	05/10/16	10	--	--	170	340	820	210	ND	ND	ND	ND	ND		
	mg/L	11/07/16	50	--	--	200	280	1000	250	68	ND	ND	ND	ND		
	mg/L	05/09/17	50	--	--	140	400	810	270	96	ND	ND	ND	ND		
	mg/L	11/06/17	50	--	--	130	480	1000	980	ND	ND	ND	ND	ND		
	mg/L	05/09/18	50	--	--	170	350	890	230	68	84	84	ND	ND		
mg/L	11/15/18	50	50	--	92	310	1600	350	74	ND	ND	ND	ND			
(Verification Event)	mg/L	01/29/19	50	50	--	--	1100	--	--	--	--	ND	ND			
mg/L	05/15/19	50	50	--	170	420	1200	290	130	54	54	ND	ND			
(Verification Event)	mg/L	11/11/19	50	50	--	110	460	1200	760	ND	ND	ND	ND			
mg/L	01/06/20	50	50	--	--	--	--	250	--	--	--	ND	ND			
mg/L	05/19/20	50	50	--	82	450	1200	300	ND	ND	ND	ND	ND			
mg/L	11/10/20	50	50	--	130	440	ND	330	320	ND	ND	ND	ND			
mg/L	05/18/21	10	10	--	76	480	1400	270	36	10	10	ND	ND			
mg/L	11/08/21	50	50	--	160	560	1600	900	130	80	80	ND	ND			
mg/L	01/25/22	50	50	--	--	--	1200	310	--	--	--	ND	ND			
mg/L	05/10/22	50	50	--	110	540	1300	400	ND	ND	ND	ND	ND			
Sulfate Proposed Site-Specific GPS = 602 NC 2L = 250 mg/L EPA MCL = 250 mg/L*	mg/L	10/08/96	--	--	1	5.01	--	7.8	--	--	--	--	--			
	mg/L	02/18/97	--	--	5	5.9	--	9.6	--	--	--	--	--			
	mg/L	08/29/97	--	--	1	14.9	4.4	7.66	--	--	--	--	--			
	mg/L	02/23/98	--	--	0.2	74.9	7.24	4.22	--	--	--	--	--			
	mg/L	08/24/98	--	--	0.2	46.8	8.16	2.63	--	--	--	--	--			
	mg/L	02/22/99	--	--	0.2	43.8	19.3	6.05	--	--	--	--	--			
	mg/L	08/23/99	--	--	0.2	3.14	21.7	1.11	--	--	--	--	--			
	mg/L	05/22/07	--	--	250	2.9	180	50	48	--	--	--	2.5	J		
	mg/L	11/14/07	--	--	250	1.6	110	J	110	J	55	J	8.6	J	ND	
	mg/L	05/29/08	--	--	250	4.8	110	J	100	J	55	J	12	J	6.9	J
	mg/L	11/17/08	--	--	250	5.3	100	J	35	J	30	J	6.9	J	8.4	J
	mg/L	05/27/09	--	--	250	5.0	100	J	36	J	50	J	10	J	8.6	J
	mg/L	11/11/09	--	--	250	3.3	79	J	80	J	53	J	12	J	8.1	J
	mg/L	05/26/10	--	--	250	5.3	110	J	79	J	25	J	6.1	J	8.3	J
	mg/L	11/15/10	--	--	250	4.8	90	J	54	J	56	J	9.9	J	8.1	J
	mg/L	05/09/11	--	--	250	4.2	78	J	49	J	39	J	11	J	7.3	J
	mg/L	11/14/11	--	--	250	4.4	57	J	100	J	24	J	11	J	7.7	J
	mg/L	05/08/12	--	--	250	4.6	28	J	130	J	20	J	13	J	6.8	J
	mg/L	11/05/12	--	--	250	3.5	32	J	130	J	25	J	11	J	8.2	J
	mg/L	05/14/13	--	--	250	5.0	43	J	220	J	14	J	9.6	J	7.8	J
	mg/L	11/12/13	--	--	250	6.4	46	J	100	J	14	J	9.1	J	7.0	J
	mg/L	05/13/14	--	--	250	8.3	43	J	69	J	9.9	J	8.0	J	7.4	J
	mg/L	11/17/14	2.9	--	250	8.9	46	J	76	J	19	J	9.8	J	7.1	J
	mg/L	05/12/15	2.9	--	250	7.5	41	J	52	J	5.3	J	3.8	J	8.5	J
	mg/L	11/09/15	2.9	--	250	8.9	45	J	43	J	12	J	3.5	J	6.7	J
	mg/L	05/10/16	2.9	--	250	17	53	J	31	J	38	J	4.7	J	6.6	J
	mg/L	11/07/16	2.9	--	250	25	43	J	100	J	22	J	5.6	J	7.0	J
	mg/L	05/09/17	2.9	--	250	13	45	J	74	J	37	J	4.2	J	6.8	J
	(Verification Event)	mg/L	11/06/17	2.9	--	250	12	J	38	J	170	J	310	J	7.3	J
	mg/L	01/11/18	2.9	--	250	--	--	--	95	J	--	--	--	--	ND	
mg/L	05/09/18	2.9	--	250	19	37	J	190	J	41	J	7.3	J	5.7	J	
mg/L	11/15/18	2.9	5	--	16	40	J	180	J	4.8	J	4.8	J	6.7	J	
mg/L	05/15/19	2.9	5	--	18	39	J	110	J	62	J	6.3	J	6.0	J	
mg/L	11/11/19	2.9	5	--	14	42	J	190	J	230	J	7.6	J	6.4	J	
mg/L	05/19/20	2.9	5	--	14	41	J	120	J	73	J	6.4	J	8.0	J	
mg/L	11/10/20	2.9	5	--	15	42	J	17	J	130	J	7.7	J	7.2	J	
mg/L	05/18/21	2.9	5	--	19	36	J	130	J	120	J	6.8	J	7.0	J	
mg/L	11/08/21	2.9	5	--	9.5	35	J	290	J	330	J	7.8	J	6.6	J	
mg/L	01/25/22	2.9	5	--	--	--	--	270	J	99	J	--	--	ND		
mg/L	05/10/22	2.9	5	--	69	31	J	250	J	130	J	7.3	J	5.5	J	
Alkalinity (no standard) No EPA MCL	mg/L	10/08/96	--	--	1.00	--	1	13	--	--	--	--	--			
	mg/L	02/18/97	--	--	1	1	--	3	--	--	--	--	--			
	mg/L	08/28/97	--	--	1	1	60.3	--	--	--	--	--	--			
	mg/L	08/29/97	--	--	1	1.56	--	3.64	--	--	--	--	--			
	mg/L	02/23/98	--	--	1	--	92.7	2.78	--	--	--	--	--			
	mg/L	08/24/98	--	--	1	1.5	129	316	--	--	--	--	--			
	mg/L	02/22/99	--	--	1	1.99	153	608	--	--	--	--	--			
	mg/L	08/23/99	--	--	1	1.89	173	503	--	--	--	--	--			
	mg/L	05/22/07	--	--	--	3.2	2.3	2.8	ND	--	--	--	--	ND		
	mg/L	11/14/07	--	--	--	ND	270	440	ND	ND	ND	ND	ND	ND		
	mg/L	05/29/08	--	--	--	ND	97	370	ND	ND	ND	ND	ND	ND		
	mg/L	11/17/08	--	--	--	2.8	150	460	ND	2.7	B	ND	ND	6.3	J	
	mg/L	05/27/09	--	--	--	9.6	150	580	11	J	12	J	12	J	ND	
	mg/L	11/11/09	--	--	--	ND	180	440	ND	ND	ND	ND	ND	ND	ND	
	mg/L	05/26/10	--	--	--	8.0	280	720	9.4	J	8.2	J	12	J	ND	
	mg/L	11/15/1														

TABLE 7

**Summary of Field Parameters for C&D Wells
Sampson County Active C&D Landfill, Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient	Downgradient				
			MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN
pH (field)	S.U.	10/08/96	5.76	4.82	5.49	--	--	--
	S.U.	02/18/97	4.82	--	5.43	--	--	--
	S.U.	08/28/97	--	5.63	--	--	--	--
	S.U.	08/29/97	5.02	--	5.08	--	--	--
	S.U.	10/09/97	--	5.65	--	--	--	--
	S.U.	10/30/97	--	5.50	--	--	--	--
	S.U.	02/23/98	4.36	--	4.47	--	--	--
	S.U.	04/20/98	--	5.52	--	--	--	--
	S.U.	08/24/98	4.98	--	6.15	--	--	--
	S.U.	10/27/98	--	6.10	--	--	--	--
	S.U.	02/22/99	4.60	--	6.51	--	--	--
	S.U.	04/20/99	--	5.88	--	--	--	--
	S.U.	08/23/99	4.77	--	6.46	--	--	--
	S.U.	05/28/02	--	6.10	--	--	--	--
	S.U.	11/05/02	4.50	5.70	6.60	4.80	4.60	5.60
	S.U.	05/29/03	4.60	--	6.10	5.50	4.90	5.70
	S.U.	05/24/06	4.30	6.10	6.60	4.70	4.40	5.70
	S.U.	11/20/06	4.20	6.10	6.50	5.90	5.10	5.50
	S.U.	05/22/07	3.76	6.27	6.50	4.74	4.43	5.30
	S.U.	11/14/07	4.01	6.36	6.93	4.46	4.56	5.44
	S.U.	05/29/08	4.24	6.40	6.73	4.54	4.55	5.60
	S.U.	11/17/08	4.68	6.93	7.29	6.18	5.67	5.01
	S.U.	05/27/09	4.13	6.37	6.61	4.62	4.73	5.14
	S.U.	11/11/09	3.91	6.17	6.56	4.56	4.48	5.33
	S.U.	05/26/10	3.94	6.12	6.18	5.43	4.83	4.48
	S.U.	11/15/10	4.35	6.46	6.85	4.59	4.59	5.18
	S.U.	05/09/11	3.41	5.88	6.18	3.82	3.78	4.75
	S.U.	11/14/11	4.56	6.18	6.63	4.62	4.45	5.15
	S.U.	05/08/12	3.31	5.79	6.42	4.85	4.14	5.04
	S.U.	11/05/12	4.16	6.37	6.81	4.79	4.45	4.92
	S.U.	05/14/13	4.14	6.37	6.77	6.05	4.47	4.92
	S.U.	11/12/13	4.46	6.41	6.87	5.18	4.77	5.74
	S.U.	05/13/14	4.35	6.45	6.82	5.84	5.18	5.54
S.U.	11/17/14	3.95	5.95	6.65	4.20	4.28	5.11	
S.U.	05/12/15	2.36	4.17	6.22	6.77	5.34	4.46	
S.U.	11/09/15	4.11	6.10	6.74	5.33	5.01	5.40	
S.U.	05/10/16	4.11	6.09	6.54	4.81	5.01	5.03	
(Verification Event)	S.U.	07/07/16	--	--	--	4.31	--	
	S.U.	11/07/16	4.67	6.36	6.69	5.47	5.31	5.96
	S.U.	05/09/17	4.06	5.90	6.50	5.16	4.66	4.59
	S.U.	11/06/17	4.41	6.37	6.89	4.19	4.66	5.56
(Verification Event)	S.U.	01/11/18	--	--	--	4.61	--	--
	S.U.	05/09/18	4.40	6.36	6.90	5.23	4.57	5.40
	S.U.	11/15/18	4.85	6.37	6.74	6.23	5.51	5.31
(Verification Event)	S.U.	01/29/19	--	--	6.72	5.46	--	--
	S.U.	05/12/19	4.69	6.28	6.64	4.80	4.86	5.02
	S.U.	11/11/19	4.72	6.43	7.04	4.72	4.62	5.27
(Verification Event)	S.U.	01/06/20	--	--	--	4.91	--	--
	S.U.	05/19/20	4.88	6.52	6.95	5.21	5.20	5.01
(Verification Event)	S.U.	07/09/20	--	--	6.79	--	--	--
	S.U.	11/10/20	4.64	6.32	6.82	4.46	4.57	4.95
(Verification Event)	S.U.	01/21/21	--	--	--	5.54	--	--
	S.U.	05/18/21	4.60	6.55	6.93	5.45	5.32	5.51
	S.U.	11/08/21	5.21	6.45	6.93	6.13	4.76	5.18
(Verification Event)	S.U.	01/25/22	--	--	7.07	5.93	--	--
	S.U.	05/10/22	5.09	6.34	6.87	6.22	4.72	5.45

TABLE 7

**Summary of Field Parameters for C&D Wells
Sampson County Active C&D Landfill, Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient	Downgradient					
			MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN	
Specific Conductance (field)	uS/cm	10/08/96	33	126	55	--	--	--	
	uS/cm	02/18/97	34	--	48	--	--	--	
	uS/cm	08/28/97	--	634	--	--	--	--	
	uS/cm	08/29/97	30	--	80	--	--	--	
	uS/cm	10/09/97	--	842	--	--	--	--	
	uS/cm	10/30/97	--	582	--	--	--	--	
	uS/cm	02/23/98	42	--	181	--	--	--	
	uS/cm	04/20/98	--	1098	--	--	--	--	
	uS/cm	08/24/98	32.9	--	1161	--	--	--	
	uS/cm	10/27/98	--	764	--	--	--	--	
	uS/cm	02/22/99	52.4	--	1931	--	--	--	
	uS/cm	04/20/99	--	1052	--	--	--	--	
	uS/cm	08/23/99	65.7	--	1871	--	--	--	
	uS/cm	05/28/02	--	778	--	--	--	--	
	uS/cm	11/05/02	65	--	1241	91	86	44	
	uS/cm	05/24/06	95	724	1327	53	102	47	
	uS/cm	11/20/06	110	707	1071	51	36	40	
	uS/cm	05/22/07	89	934	1630	178	87	30	
	uS/cm	11/14/07	175	1000	1340	316	140	60	
	uS/cm	05/29/08	109	761	1570	202	84	45	
	uS/cm	11/17/08	78	629	1368	125	29	37	
	uS/cm	05/27/09	78	691	1582	193	53	38	
	uS/cm	11/11/09	118	736	1439	222	84	39	
	uS/cm	05/26/10	70	980	1625	156	44	38	
	uS/cm	11/15/10	89	809	1684	267	66	43	
	uS/cm	05/09/11	187	894	1848	212	79	44	
	uS/cm	11/14/11	260	731	1554	133	82	40	
	uS/cm	05/08/12	192	550	1514	115	74	38	
	uS/cm	11/05/12	341	815	1554	142	86	35	
	uS/cm	05/14/13	262	505	1232	75	45	36	
	uS/cm	11/12/13	266	526	1328	155	126	88	
	uS/cm	05/13/14	162	343	1467	83	72	68	
	uS/cm	11/17/14	407	561	1723	282	85	46	
	uS/cm	05/12/15	127	335	1336	107	28	34	
	uS/cm	11/09/15	266	479	1521	101	30	40	
	uS/cm	05/10/16	436	811	1662	359	50	45	
	(Verification Event)	uS/cm	05/10/16	--	--	--	62	--	
		uS/cm	11/07/16	400	511	1509	185	34	40
		uS/cm	05/09/17	298	770	1251	248	32	36
		uS/cm	11/06/17	273	928	1461	1634	73	42
	(Verification Event)	uS/cm	01/11/18	--	--	--	523	--	--
		uS/cm	05/09/18	279	557	1344	226	56	40
		uS/cm	11/15/18	198	598	2645	61	58	41
	(Verification Event)	uS/cm	01/29/19	--	--	1752	271	--	--
		uS/cm	05/12/19	281	770	1875	337	62	37
	uS/cm	11/11/19	241	908	1887	1315	70	41	
(Verification Event)	uS/cm	01/06/20	--	--	--	353.6	--	--	
	uS/cm	05/19/20	103	480	1150	269	43	35	
(Verification Event)	uS/cm	07/09/20	--	--	1590	--	--	--	
	uS/cm	11/10/20	307	826	1454	672	102	61	
(Verification Event)	uS/cm	01/21/21	--	--	--	261.7	--	--	
	uS/cm	05/18/21	189	990	2463	509	85	45	
	uS/cm	11/08/21	208	811	1909	1229	78	46	
(Verification Event)	uS/cm	01/25/22	--	--	1505	360	--	--	
	uS/cm	05/10/22	204	936	1733	779	74	52	

TABLE 7

**Summary of Field Parameters for C&D Wells
Sampson County Active C&D Landfill, Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient	Downgradient				
			MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN
Temperature (field)	Celsius	10/08/96	20.8	14.7	21.1	--	--	--
	Celsius	02/18/97	16.1	--	13.6	--	--	--
	Celsius	08/28/97	--	21.1	--	--	--	--
	Celsius	08/29/97	21.1	--	21.9	--	--	--
	Celsius	10/09/97	--	18.8	--	--	--	--
	Celsius	10/30/97	--	14.8	--	--	--	--
	Celsius	02/23/98	14.6	--	14.2	--	--	--
	Celsius	04/20/98	--	22.9	--	--	--	--
	Celsius	08/24/98	22.9	--	22.1	--	--	--
	Celsius	10/27/98	--	13.4	--	--	--	--
	Celsius	02/22/99	14.8	--	14.0	--	--	--
	Celsius	04/20/99	--	21.1	--	--	--	--
	Celsius	08/23/99	20.9	--	21.0	--	--	--
	Celsius	05/28/02	--	18.0	--	--	--	--
	Celsius	11/05/02	18.0	18.0	19.0	13.0	22.0	18.0
	Celsius	05/29/03	19.0	--	18.0	20.0	20.0	19.0
	Celsius	05/24/06	18.0	17.0	17.0	19.0	18.0	19.0
	Celsius	11/20/06	20.0	18.0	18.0	17.0	16.0	19.0
	Celsius	05/22/07	19.39	17.29	17.34	20.06	18.10	19.10
	Celsius	11/14/07	21.45	19.87	23.99	24.51	22.96	20.50
	Celsius	05/29/08	18.85	17.33	17.39	19.19	18.90	19.18
	Celsius	11/17/08	18.99	17.70	17.98	19.31	18.12	18.95
	Celsius	05/27/09	18.78	16.63	17.18	19.09	19.52	19.86
	Celsius	11/11/09	19.74	19.31	18.27	20.01	20.51	19.28
	Celsius	05/26/10	18.81	18.41	17.25	21.18	19.56	18.45
	Celsius	11/15/10	20.82	20.39	18.36	21.40	20.54	19.01
	Celsius	05/09/11	19.63	17.35	16.89	19.49	18.28	18.98
	Celsius	11/14/11	21.93	20.46	19.46	21.86	21.67	20.87
	Celsius	05/08/12	19.95	18.80	18.54	20.09	20.77	20.82
	Celsius	11/05/12	19.40	19.58	18.34	21.78	21.92	19.13
	Celsius	05/14/13	18.87	17.51	17.17	18.64	19.58	19.39
	Celsius	11/12/13	21.3	19.9	19.1	22.3	22.7	20.6
	Celsius	05/13/14	19.1	17.6	17.2	20.5	18.8	19.8
Celsius	11/17/14	21.4	19.4	19.0	21.4	22.1	20.1	
Celsius	05/12/15	18.5	16.3	16.0	19.2	18.9	18.4	
Celsius	11/09/15	20.8	19.9	19.2	22.4	21.8	20.3	
Celsius	05/10/16	20.2	18.6	18.6	20.7	21.3	19.8	
(Verification Event)	Celsius	07/07/16	--	--	--	24.7	--	
	Celsius	11/07/16	22.27	21.49	19.47	22.03	23.10	20.96
	Celsius	05/09/17	21.4	18.7	17.0	21.7	21.4	20.2
	Celsius	11/06/17	23.2	20.7	20.2	24.0	25.2	22.3
(Verification Event)	Celsius	01/11/18	--	--	--	20.9	--	--
	Celsius	05/09/18	20.76	17.11	18.25	22.84	21.85	20.32
	Celsius	11/15/18	20.0	18.2	19.2	21.9	20.9	17.9
(Verification Event)	Celsius	01/29/19	--	--	16.6	16.3	--	--
	Celsius	05/12/19	20.7	17.7	17.9	22.3	20.5	19.8
	Celsius	11/11/19	19.6	19.0	19.3	22.8	23.5	20.6
(Verification Event)	Celsius	01/06/20	--	--	--	16.7	--	--
	Celsius	05/19/20	19.8	17.3	17.6	19.8	18.4	19.3
(Verification Event)	Celsius	07/09/20	--	--	20.5	--	--	--
	Celsius	11/10/20	23.0	20.3	20.3	23.3	22.2	21.9
(Verification Event)	Celsius	01/21/21	--	--	--	16.5	--	--
	Celsius	05/18/21	20.2	17.2	17.2	22.4	18.5	20.2
	Celsius	11/08/21	23.0	19.7	19.8	22.4	22.9	20.0
(Verification Event)	Celsius	01/25/22	--	--	16.5	16.7	--	--
	Celsius	05/10/22	20.0	17.5	17.9	19.6	19.1	20.4

TABLE 7

**Summary of Field Parameters for C&D Wells
Sampson County Active C&D Landfill, Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient	Downgradient				
			MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN
Turbidity (field)	NTU	10/08/96	0.94	2.7	4.1	--	--	--
	NTU	02/18/97	0.47	--	--	--	--	--
	NTU	08/28/97	--	7.76	8.72	--	--	--
	NTU	08/29/97	4.17	--	--	--	--	--
	NTU	10/09/97	--	3.12	--	--	--	--
	NTU	10/30/97	--	4	2	--	--	--
	NTU	02/23/98	2	--	--	--	--	--
	NTU	04/20/98	--	3	2.33	--	--	--
	NTU	08/24/98	1.09	--	--	--	--	--
	NTU	10/27/98	--	7.13	1	--	--	--
	NTU	02/22/99	1	--	--	--	--	--
	NTU	04/20/99	--	5.01	4.69	--	--	--
	NTU	08/23/99	10.3	--	--	--	--	--
	NTU	05/22/07	13.9	52.2	1.4	9.1	0	0
	NTU	11/14/07	78.5	152	98.1	68.1	59	36.5
	NTU	05/29/08	5.4	29.8	29.6	45.2	63	6.6
	NTU	11/17/08	0.34	13.6	5.00	78.0	50.3	0.49
	NTU	05/27/09	2.60	74.5	2.71	46.5	51.7	2.65
	NTU	11/11/09	0.59	47.0	13.9	95.2	89.7	0.38
	NTU	05/26/10	0.53	6.79	70.9	99.1	49.0	18.45
	NTU	11/15/10	0.48	3.43	4.02	42.1	44.5	0.84
	NTU	05/09/11	0.23	0.49	0.67	8.85	57.8	0.46
	NTU	11/14/11	85	2.64	21.5	10.7	90.6	1.04
	NTU	05/08/12	5.51	5.26	15.5	88.0	160	2.95
	NTU	11/05/12	26.8	3.42	17.7	23.8	87.7	0.64
	NTU	05/14/13	10.8	9.63	1.16	97.3	18.7	0.68
	NTU	11/12/13	24.1	22.4	2.84	11.5	25.9	1.82
	NTU	05/13/14	3.16	88.5	9.01	95.0	49.3	2.06
	NTU	11/17/14	0.50	56.5	18.20	9.5	50.3	2.52
	NTU	05/12/15	0.26	4.11	0.74	272	115	0.55
	NTU	11/09/15	1.09	10.4	1.52	165	102	3.25
	NTU	05/10/16	4.96	15.7	24.4	83.6	52.3	3.40
(Verification Event)	NTU	07/07/16	--	--	--	52.8	--	
NTU	11/07/16	1.96	23.4	7.23	148	87.1	1.69	
NTU	05/09/17	1.85	14.7	5.27	165	90.3	2.50	
NTU	11/06/17	2.24	19.4	6.25	8.35	28.2	4.67	
(Verification Event)	NTU	01/11/18	--	--	--	28.4	--	
NTU	05/09/18	2.14	9.41	1.17	72.8	16.6	0.47	
NTU	11/15/18	0.74	21.5	1.39	303	86.0	0.35	
(Verification Event)	NTU	01/29/19	--	--	9.81	70.2	--	
NTU	05/12/19	0.69	7.74	0.87	106	84.9	0.42	
NTU	11/11/19	0.36	6.36	8.95	4.71	10.1	0.32	
(Verification Event)	NTU	01/06/20	--	--	--	80.8	--	
NTU	05/19/20	1.79	2.59	2.99	87.7	4.88	3.99	
(Verification Event)	NTU	07/09/20	--	--	4.96	--	--	
NTU	11/10/20	1.20	2.46	7.97	21.7	10.0	1.00	
(Verification Event)	NTU	01/21/21	--	--	--	129	--	
NTU	05/18/21	0.80	4.14	2.41	39.2	16.9	0.56	
NTU	11/08/21	0.79	4.31	9.98	8.79	1.64	0.50	
(Verification Event)	NTU	01/25/22	--	--	1.01	9.92	--	
NTU	05/10/22	2.77	1.92	1.20	9.28	9.88	0.29	

TABLE 7

**Summary of Field Parameters for C&D Wells
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Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient	Downgradient				
			MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN
ORP (field)	millivolts	05/22/07	428	-80	-151	301	367	140
	millivolts	11/14/07	399	-59	-47	317	300	147
	millivolts	05/29/08	382	-68	-127	310	159	106
	millivolts	11/17/08	322	21.7	-52.4	296	304	164
	millivolts	05/27/09	292	-19.3	-39.3	260	219	158
	millivolts	11/11/09	285	-34.6	-42.3	233	230	150
	millivolts	05/26/10	213	-21.1	-45.3	141	164	170
	millivolts	11/15/10	263	-39.1	-69.8	280	283	199
	millivolts	05/09/11	265	-32.3	-37.2	241	247	162
	millivolts	11/14/11	105	-15.2	-48.2	167	142	72.5
	millivolts	05/08/12	253	-90.9	-61.4	143	201	137
	millivolts	11/05/12	108	-14.3	-61.8	117	112	79.1
	millivolts	05/14/13	103	-45.4	21.4	80.1	128	107
	millivolts	11/12/13	383	-77.9	-52.0	295	347	154
	millivolts	05/13/14	392	0.0	-87.9	175	302	147
	millivolts	11/17/14	219	13.9	29.9	170	162	132
	millivolts	05/12/15	169	12.1	-47.0	12.7	108	107
	millivolts	11/09/15	486	28.7	-38.8	364	282	198
	millivolts	05/10/16	413	-44.9	-66.2	293	280	175
	(Verification Event)	millivolts	07/07/16	--	--	--	--	278
	millivolts	11/07/16	30.7	-12.6	-77.1	-5.5	-49.6	-34.1
	millivolts	05/09/17	360	-24.4	-56.4	253	302	235
	millivolts	11/06/17	325	-54.1	18.2	349	313	158
(Verification Event)	millivolts	01/11/18	--	--	--	372	--	--
	millivolts	05/09/18	225	59.6	107	202	264	189
	millivolts	11/15/18	85.8	-75.7	-103	108	8.2	163
(Verification Event)	millivolts	01/29/19	--	--	-63.8	229	--	--
	millivolts	05/12/19	246	-38.8	-74.4	260	259	188
	millivolts	11/11/19	340	-71.2	58.7	327	321	157
(Verification Event)	millivolts	01/06/20	--	--	--	284	--	--
	millivolts	05/19/20	363	-21.8	-65.1	310	292	214
(Verification Event)	millivolts	07/09/20	--	--	-130	--	--	--
	millivolts	11/10/20	191	-84.6	-107	152	144	110
(Verification Event)	millivolts	01/21/21	--	--	--	108	--	--
	millivolts	05/18/21	104	-57.5	-101	31.8	99.2	96.1
	millivolts	11/08/21	178	-47.7	42.3	126	192	119
(Verification Event)	millivolts	01/25/22	--	--	95.7	136	--	--
	millivolts	05/10/22	136.2	-75.0	-2.9	57.5	173.6	117.8

TABLE 7

**Summary of Field Parameters for C&D Wells
Sampson County Active C&D Landfill, Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upgradient	Downgradient				
			MW-1N	MW-2N	MW-3N	MW-4N	MW-5AN	MW-5BN
Dissolved Oxygen (field)	mg/L	05/22/07	5.10	0.60	0.50	6.10	5.30	2.50
	mg/L	11/14/07	1.58	0.72	0.58	6.84	6.80	0.66
	mg/L	05/29/08	4.83	0.42	0.38	8.56	6.76	4.51
	mg/L	11/17/08	5.59	1.05	0.87	6.71	8.73	2.19
	mg/L	05/27/09	4.57	0.38	0.46	6.28	6.45	1.21
	mg/L	11/11/09	2.17	0.75	0.88	4.56	6.06	1.30
	mg/L	05/26/10	5.59	0.39	0.59	6.30	6.94	0.57
	mg/L	11/15/10	6.20	1.08	1.52	5.10	6.19	0.47
	mg/L	05/09/11	5.67	0.76	0.65	5.59	6.71	0.98
	mg/L	11/14/11	4.68	0.24	0.26	3.60	4.41	1.52
	mg/L	05/08/12	6.45	0.90	0.49	6.75	6.17	3.30
	mg/L	11/05/12	1.42	0.58	0.28	4.33	5.23	1.12
	mg/L	05/14/13	2.24	2.86	0.79	7.54	7.35	1.62
	mg/L	11/12/13	5.07	0.22	0.67	5.50	6.51	1.18
	mg/L	05/13/14	8.22	0.19	0.30	7.96	7.25	1.08
	mg/L	11/17/14	3.88	0.40	0.15	3.09	5.25	1.22
	mg/L	05/12/15	7.17	0.48	0.33	7.00	6.34	0.38
	mg/L	11/09/15	6.74	0.48	0.30	5.83	6.05	2.30
	mg/L	05/10/16	6.21	0.80	1.09	3.59	4.93	1.13
	(Verification Event)	mg/L	07/07/16	--	--	--	--	3.98
	mg/L	11/07/16	4.61	0.45	0.37	2.96	3.46	0.70
	mg/L	05/09/17	7.17	0.39	0.59	2.50	3.56	4.51
	mg/L	11/06/17	3.71	0.35	0.69	1.78	3.59	1.51
(Verification Event)	mg/L	01/11/18	--	--	--	2.68	--	--
	mg/L	05/09/18	5.22	0.29	0.24	1.36	5.01	1.21
	mg/L	11/15/18	6.67	0.18	0.13	5.59	5.06	4.09
	mg/L	01/29/19	--	--	0.80	5.47	--	--
	mg/L	05/12/19	5.19	0.11	0.17	1.07	4.34	1.09
	mg/L	11/11/19	4.42	0.24	0.15	0.64	1.29	0.23
(Verification Event)	mg/L	01/06/20	--	--	--	3.05	--	--
	mg/L	05/19/20	7.05	0.23	0.20	0.93	4.88	0.41
(Verification Event)	mg/L	07/09/20	--	--	0.24	--	--	--
	mg/L	11/10/20	4.73	0.26	0.23	1.81	1.08	0.29
(Verification Event)	mg/L	01/21/21	--	--	--	5.30	--	--
	mg/L	05/18/21	5.52	0.26	0.19	0.97	2.83	0.50
	mg/L	11/08/21	5.73	7.71	0.53	1.92	1.64	0.19
(Verification Event)	mg/L	01/25/22	--	--	0.20	3.89	--	--
	mg/L	05/10/22	7.18	0.15	0.13	0.36	3.25	0.81

Notes: mg/L = milligrams per liter
 S.U. = Standard Units
 NTU = Nephelometric Turbidity Units
 ND = Not detected at the stated reporting limit
 uS/cm = microsiemens per centimeter
 -- = no data available

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream		Downstream		Blanks		
						SW-1	SW-4	SW-5				
Antimony (No SW Standard)	ug/L	11/05/03	--	--	--	dry	--	--	ND			
	ug/L	05/25/04	--	--	30	dry	ND	--	ND			
	ug/L	05/16/05	--	--	30	dry	ND	--	ND			
	ug/L	11/25/05	--	--	30	dry	ND	--	ND			
	ug/L	05/24/06	--	--	30	dry	ND	--	ND			
	ug/L	11/20/06	--	--	30	dry	ND	--	ND			
	ug/L	05/22/07	--	--	6	dry	ND	--	ND			
	ug/L	11/15/07	--	--	6	ND	ND	dry	--			
	ug/L	05/28/08	--	--	6	ND	ND	ND	ND			
	ug/L	11/17/08	--	--	6	dry	ND	ND	ND			
	ug/L	05/26/09	--	--	6	ND	ND	ND	ND			
	ug/L	11/11/09	--	--	6	0.0860	B	ND	0.0730	B	0.0770	
	ug/L	05/26/10	--	--	6	ND		ND	ND			
	ug/L	11/15/10	--	--	6	ND		ND	ND			
	ug/L	05/09/11	--	--	6	ND		ND	ND			
	ug/L	11/14/11	--	--	6	ND		ND	ND			
	ug/L	05/08/12	--	--	6	ND		ND	0.264	J	ND	
	ug/L	11/05/12	--	--	6	ND		ND	ND		ND	
	ug/L	05/13/13	--	--	6	ND		ND	ND		ND	
	ug/L	11/11/13	--	--	6	ND		ND	ND		ND	
	ug/L	05/12/14	--	--	6	ND		ND	ND		ND	
	ug/L	11/17/14	0.22	--	6	0.363	J	0.234	J	0.806	J	ND
	ug/L	05/12/15	0.22	--	6	0.368	J	ND		1.37	J	ND
	ug/L	11/09/15	0.22	--	6	ND		ND	0.794	J	ND	
	ug/L	05/11/16	0.22	--	6	0.291	J	0.261	J	dry	ND	
	ug/L	11/07/16	0.22	--	6	0.268	J	ND	0.411	J	ND	
	ug/L	05/09/17	0.37	--	6	ND		0.864	J	0.672	J	ND
	ug/L	11/06/17	0.37	--	6	ND		ND	1.12	J	ND	
	ug/L	05/09/18	0.37	--	6	ND		ND	ND		ND	
	ug/L	11/15/18	1.85	5.0	--	ND		ND	ND		ND	
	ug/L	05/15/19	0.74	2.0	--	ND		ND	ND		ND	
	ug/L	11/11/19	0.74	2.0	--	ND		ND	ND		ND	
ug/L	05/19/20	0.74	2.0	--	ND		ND	ND		ND		
ug/L	11/10/20	0.74	2.0	--	ND		ND	0.781	J	ND		
ug/L	05/18/21	0.74	2.0	--	ND		ND	ND		ND		
ug/L	11/08/21	0.74	2.0	--	ND		ND	ND		ND		
ug/L	05/10/22	0.74	2.0	--	ND		ND	ND		ND		
Arsenic Human Health SW Standard = 10 ug/L	ug/L	11/05/03	--	--	--	dry	ND	--	ND			
	ug/L	05/25/04	--	--	10	dry	ND	--	ND			
	ug/L	05/16/05	--	--	10	dry	ND	--	ND			
	ug/L	11/25/05	--	--	10	dry	ND	--	ND			
	ug/L	05/24/06	--	--	10	dry	ND	--	ND			
	ug/L	11/20/06	--	--	10	dry	ND	--	ND			
	ug/L	05/22/07	--	--	10	dry	ND	--	ND			
	ug/L	11/15/07	--	--	10	ND		ND	dry		ND	
	ug/L	05/28/08	--	--	10	6.6	B	2.9	B	ND	4.3	
	ug/L	11/17/08	--	--	10	dry		ND	ND		ND	
	ug/L	05/26/09	--	--	10	ND		ND	ND		ND	
	ug/L	11/11/09	--	--	10	2.94	J	2.87	J	ND	ND	
	ug/L	05/26/10	--	--	10	ND		ND	ND		ND	
	ug/L	11/15/10	--	--	10	ND		ND	ND		3.98	
	ug/L	05/09/11	--	--	10	ND		ND	3.13	J	ND	
	ug/L	11/14/11	--	--	10	2.81	J	ND	ND		ND	
	ug/L	05/08/12	--	--	10	11.9		ND	ND		ND	
	ug/L	11/05/12	--	--	10	4.55	B	4.38	B	4.29	B	4.48
	ug/L	05/13/13	--	--	10	ND		ND	ND		ND	
	ug/L	11/11/13	--	--	10	ND		ND	ND		ND	
	ug/L	05/12/14	--	--	10	ND		ND	ND		ND	
	ug/L	11/17/14	5.4	--	10	ND		6.18	J	ND	ND	
	ug/L	05/12/15	5.4	--	10	ND		ND	ND		ND	
	ug/L	11/09/15	5.4	--	10	ND		ND	ND		ND	
	ug/L	05/11/16	6.8	--	10	ND		ND	dry		ND	
	ug/L	11/07/16	6.8	--	10	ND		11.2	ND		ND	
	ug/L	05/09/17	6.8	--	10	ND		ND	ND		ND	
	ug/L	11/06/17	6.8	--	10	ND		ND	ND		ND	
	ug/L	05/09/18	6.8	--	10	ND		ND	ND		ND	
	ug/L	11/15/18	7.6	10	--	ND		ND	ND		ND	
	ug/L	05/15/19	7.6	10	--	ND		ND	ND		ND	
	ug/L	11/11/19	7.6	10	--	ND		ND	ND		ND	
ug/L	05/19/20	7.6	10	--	ND		ND	ND		ND		
ug/L	11/10/20	7.6	10	--	ND		ND	ND		ND		
ug/L	05/18/21	7.6	10	--	ND		ND	ND		ND		
ug/L	11/08/21	7.6	10	--	ND		ND	ND		ND		
ug/L	05/10/22	7.6	10	--	ND		ND	ND		ND		

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream		Downstream		Blanks	
						SW-1	SW-4	SW-5			
Barium Human Health SW Standard = 200000 ug/L	ug/L	11/05/03	--	--	--	--		ND	--	ND	
	ug/L	05/25/04	--	--	500	--		ND	--	ND	
	ug/L	05/16/05	--	--	500	--		ND	--	ND	
	ug/L	11/25/05	--	--	500	--		ND	--	ND	
	ug/L	05/24/06	--	--	500	--		ND	--	ND	
	ug/L	11/20/06	--	--	500	--		ND	--	ND	
	ug/L	05/22/07	--	--	100	dry		27.8	J	--	0.3
	ug/L	11/15/07	--	--	100	40.0	J	12.3	J	dry	0.20
	ug/L	05/28/08	--	--	100	21.3	J	58.2	J	57.2	J
	ug/L	11/17/08	--	--	100	dry		12.1	J	48.1	J
	ug/L	05/26/09	--	--	100	11.2	J	16.9	J	61.0	J
	ug/L	11/11/09	--	--	100	60.1	J	26.0	J	55.9	J
	ug/L	05/26/10	--	--	100	12.5	J	68.2	J	15.2	J
	ug/L	11/15/10	--	--	100	8.18	J	8.11	J	143	
	ug/L	05/09/11	--	--	100	13.2	J	12.5	J	122	
	ug/L	11/14/11	--	--	100	11.9	J	16.4	J	214	
	ug/L	05/08/12	--	--	100	45.9	J	50.6	J	144	
	ug/L	11/05/12	--	--	100	9.37	J	15.6	J	207	
	ug/L	05/13/13	--	--	100	11.5	J	14.4	J	163	
	ug/L	11/11/13	--	--	100	9.56	J	15.5	J	194	
	ug/L	05/12/14	--	--	100	13.8	J	14.5	J	189	
	ug/L	11/17/14	1.0	--	100	10.0	J	22.4	J	60.2	J
	ug/L	05/12/15	1.0	--	100	20.6	J	16.7	J	150	
	ug/L	11/09/15	1.0	--	100	24.6	J	30.2	J	144	
	ug/L	05/11/16	1.0	--	100	28.5	J	72.7	J	dry	ND
	ug/L	11/07/16	1.0	--	100	27.6	J	63.3	J	79.4	J
	ug/L	05/09/17	1.0	--	100	23.7	J	26.9	J	43.1	J
	ug/L	11/06/17	1.0	--	100	15.6	J	10.4	J	73.7	J
	ug/L	05/09/18	1.0	--	100	21.6	J	12.0	J	55.1	J
	ug/L	11/15/18	1.1	10	--	37.8		33.1		26.3	
	ug/L	05/15/19	1.1	10	--	30.2		12.6		88.5	
	ug/L	11/11/19	1.1	10	--	22.4		14.4		62.9	
ug/L	05/19/20	1.1	10	--	31.2		20.6		58.6		
ug/L	11/10/20	1.1	10	--	30.5		11.4		73.5		
ug/L	05/18/21	1.1	10	--	41.1		12.0		106		
ug/L	11/08/21	1.1	10	--	28.8		26.9		102		
ug/L	05/10/22	1.1	10	--	31.2		14.8		44.2		
Beryllium Freshwater Acute SW Standard = 65 ug/L Freshwater Chronic SW Standard = 6.5 ug/L	ug/L	11/05/03	--	--	--	dry		ND	--	ND	
	ug/L	05/25/04	--	--	2	dry		ND	--	ND	
	ug/L	05/16/05	--	--	2	dry		ND	--	ND	
	ug/L	11/25/05	--	--	2	dry		ND	--	ND	
	ug/L	05/24/06	--	--	2	dry		ND	--	ND	
	ug/L	11/20/06	--	--	2	dry		ND	--	ND	
	ug/L	05/22/07	--	--	1	dry		ND	--	ND	
	ug/L	11/15/07	--	--	1	ND		ND		dry	ND
	ug/L	05/28/08	--	--	1	ND		ND		ND	ND
	ug/L	11/17/08	--	--	1	dry		ND		ND	ND
	ug/L	05/26/09	--	--	1	ND		0.11	J	ND	ND
	ug/L	11/11/09	--	--	1	0.425	J	0.303	J	ND	ND
	ug/L	05/26/10	--	--	1	ND		0.120	J	0.152	J
	ug/L	11/15/10	--	--	1	ND		ND		0.549	J
	ug/L	05/09/11	--	--	1	ND		0.111	J	0.806	J
	ug/L	11/14/11	--	--	1	ND		0.102	J	0.260	J
	ug/L	05/08/12	--	--	1	0.710	J	ND		ND	ND
	ug/L	11/05/12	--	--	1	ND		0.128	J	0.363	J
	ug/L	05/13/13	--	--	1	ND		ND		ND	ND
	ug/L	11/11/13	--	--	1	ND		ND		0.337	J
	ug/L	05/12/14	--	--	1	ND		ND		ND	ND
	ug/L	11/17/14	0.10	--	1	ND		ND		ND	ND
	ug/L	05/12/15	0.10	--	1	ND		ND		0.124	J
	ug/L	11/09/15	0.10	--	1	ND		1.41		ND	ND
	ug/L	05/11/16	0.10	--	1	ND		ND		dry	ND
	ug/L	11/07/16	0.10	--	1	ND		0.177	J	ND	ND
	ug/L	05/09/17	0.13	--	1	ND		ND		ND	ND
	ug/L	11/06/17	0.13	--	1	ND		ND		ND	ND
	ug/L	05/09/18	0.13	--	1	ND		ND		ND	ND
	ug/L	11/15/18	0.16	1.0	--	0.181	J	ND		ND	ND
	ug/L	05/15/19	0.16	1.0	--	ND		ND		ND	ND
	ug/L	11/11/19	0.16	1.0	--	ND		ND		ND	ND
ug/L	05/19/20	0.16	1.0	--	ND		ND		ND	ND	
ug/L	11/10/20	0.16	1.0	--	ND		ND		ND	ND	
ug/L	05/18/21	0.16	1.0	--	ND		ND		ND	ND	
ug/L	11/08/21	0.16	1.0	--	ND		ND		ND	ND	
ug/L	05/10/22	0.16	1.0	--	ND		ND		ND	ND	

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream			Downstream			Blanks
						SW-1	SW-4	SW-5	SW-1	SW-4	SW-5	
Cadmium Freshwater Acute SW Standard = 0.82 ug/L Freshwater Chronic SW Standard = 0.15 ug/L	ug/L	11/05/03	--	--	--	dry	ND	--	ND	--	ND	ND
	ug/L	05/25/04	--	--	1	dry	ND	--	ND	--	ND	ND
	ug/L	05/16/05	--	--	1	dry	ND	--	ND	--	ND	ND
	ug/L	11/25/05	--	--	1	dry	ND	--	ND	--	ND	ND
	ug/L	05/24/06	--	--	1	dry	ND	--	ND	--	ND	ND
	ug/L	11/20/06	--	--	1	dry	ND	--	ND	--	ND	ND
	ug/L	05/22/07	--	--	1	dry	ND	--	ND	--	ND	ND
	ug/L	11/15/07	--	--	1	ND	ND	dry	ND	dry	ND	ND
	ug/L	05/28/08	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/08	--	--	1	dry	ND	ND	ND	ND	ND	ND
	ug/L	05/26/09	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND	0.360	ND	J	ND	ND
	ug/L	05/09/11	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/08/12	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/05/12	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	0.36	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/12/15	0.36	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	11/09/15	0.36	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/11/16	0.36	--	1	ND	ND	dry	ND	dry	ND	ND
	ug/L	11/07/16	0.36	--	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	05/09/17	0.36	--	1	ND	ND	ND	ND	ND	ND	ND
ug/L	11/06/17	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/09/18	0.36	--	1	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/15/18	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/15/19	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/11/19	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/19/20	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.36	1.0	--	ND	ND	ND	ND	ND	ND	ND	
Chromium Freshwater Acute SW Standard = 180 ug/L Freshwater Chronic SW Standard = 24 ug/L	ug/L	11/05/03	--	--	--	dry	ND	--	ND	--	ND	ND
	ug/L	05/25/04	--	--	10	dry	ND	--	ND	--	ND	ND
	ug/L	05/16/05	--	--	10	dry	ND	--	ND	--	ND	ND
	ug/L	11/25/05	--	--	10	dry	ND	--	ND	--	ND	ND
	ug/L	05/24/06	--	--	10	dry	ND	--	ND	--	ND	ND
	ug/L	11/20/06	--	--	10	dry	ND	--	ND	--	ND	ND
	ug/L	05/22/07	--	--	10	dry	ND	--	ND	--	ND	ND
	ug/L	11/15/07	--	--	10	ND	ND	dry	ND	dry	ND	ND
	ug/L	05/28/08	--	--	10	2.0	J	19.4	ND	ND	ND	ND
	ug/L	11/17/08	--	--	10	dry	J	7.2	B	7.9	B	4.9
	ug/L	05/26/09	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	10	1.23	J	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	10	ND	J	1.35	J	ND	ND	ND
	ug/L	11/15/10	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	05/09/11	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	05/08/12	--	--	10	9.66	J	ND	ND	ND	ND	ND
	ug/L	11/05/12	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	10	ND	J	ND	ND	ND	ND	ND
	ug/L	11/17/14	1.4	--	10	ND	J	1.57	J	ND	ND	ND
	ug/L	05/12/15	1.4	--	10	2.78	B	2.41	B	7.43	B	1.82
	ug/L	11/09/15	1.4	--	10	ND	B	ND	B	1.98	J	ND
	ug/L	05/11/16	1.4	--	10	ND	B	ND	dry	ND	dry	ND
	ug/L	11/07/16	1.4	--	10	ND	B	ND	ND	ND	ND	ND
	ug/L	05/09/17	1.4	--	10	ND	B	14.7	ND	ND	ND	ND
ug/L	11/06/17	1.4	--	10	ND	B	ND	3.05	J	J	ND	
ug/L	05/09/18	1.4	--	10	ND	B	ND	1.61	J	J	ND	
ug/L	11/15/18	1.4	10	--	ND	B	2.10	J	2.01	J	ND	
ug/L	05/15/19	1.4	10	--	ND	B	ND	ND	ND	ND	ND	
ug/L	11/11/19	1.4	10	--	ND	B	ND	ND	ND	ND	ND	
ug/L	05/19/20	1.4	10	--	ND	B	ND	1.73	J	J	ND	
ug/L	11/10/20	1.4	10	--	ND	B	ND	5.33	J	J	ND	
ug/L	05/18/21	1.4	10	--	ND	B	ND	1.87	J	J	ND	
ug/L	11/08/21	1.4	10	--	ND	B	ND	1.47	J	J	ND	
ug/L	05/10/22	1.4	10	--	ND	B	ND	ND	ND	J	ND	

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream		Downstream		Blanks			
						SW-1	SW-4	SW-5					
Cobalt (No SW Standard)	ug/L	11/05/03	--	--	--	--		ND	--	ND			
	ug/L	05/25/04	--	--	10	--		ND	--	ND			
	ug/L	05/16/05	--	--	10	--		ND	--	ND			
	ug/L	11/25/05	--	--	10	--		ND	--	ND			
	ug/L	05/24/06	--	--	10	--		ND	--	ND			
	ug/L	11/20/06	--	--	10	--		ND	--	ND			
	ug/L	05/22/07	--	--	10	dry		5.6	J	--	ND		
	ug/L	11/15/07	--	--	10	2.5	J	3.3	J	dry	ND		
	ug/L	05/28/08	--	--	10	2.5	J	6.0	J	4.1	J	ND	
	ug/L	11/17/08	--	--	10	dry		ND		2.3	J	ND	
	ug/L	05/26/09	--	--	10	1.1	J	3.3	J	0.9	J	ND	
	ug/L	11/11/09	--	--	10	1.33	J	6.13	J	1.17	J	ND	
	ug/L	05/26/10	--	--	10	ND		1.39	J	2.05	J	ND	
	ug/L	11/15/10	--	--	10	ND		ND		9.34	J	ND	
	ug/L	05/09/11	--	--	10	ND		1.72	J	13.1		ND	
	ug/L	11/14/11	--	--	10	1.97	J	3.13	J	6.43	J	ND	
	ug/L	05/08/12	--	--	10	2.20	J	4.46	J	ND		ND	
	ug/L	11/05/12	--	--	10	2.16	J	3.16	J	4.96	J	ND	
	ug/L	05/13/13	--	--	10	1.61	J	1.53	J	ND		ND	
	ug/L	11/11/13	--	--	10	1.14	J	1.90	J	6.10	J	ND	
	ug/L	05/12/14	--	--	10	1.46	J	1.24	J	2.05	J	ND	
	ug/L	11/17/14	1.1	--	10	1.43	J	1.93	J	ND		ND	
	ug/L	05/12/15	1.1	--	10	1.11	J	ND		18.7		ND	
	ug/L	11/09/15	1.1	--	10	1.17	J	18.7		7.35	J	ND	
	ug/L	05/11/16	1.1	--	10	ND		1.50	B	dry		2.90	J
	ug/L	11/07/16	1.1	--	10	1.24	J	10.7		ND		ND	
	ug/L	05/09/17	1.1	--	10	ND		3.72	J	1.24	J	ND	
	ug/L	11/06/17	1.1	--	10	ND		ND		1.49	J	ND	
	ug/L	05/09/18	1.1	--	10	1.49	J	1.54	J	1.64	J	ND	
	ug/L	11/15/18	1.4	10	--	2.39	J	1.44	J	ND		ND	
	ug/L	05/15/19	1.4	10	--	2.10	B	1.69	B	2.56	B	1.49	J
	ug/L	11/11/19	1.4	10	--	ND		ND		ND		ND	
ug/L	05/19/20	1.4	10	--	ND		ND		ND		ND		
ug/L	11/10/20	1.4	10	--	ND		ND		2.37	J	ND		
ug/L	05/18/21	1.4	10	--	ND		ND		2.11	J	ND		
ug/L	11/08/21	1.4	10	--	ND		2.06	J	ND		ND		
ug/L	05/10/22	1.4	10	--	ND		ND		ND		ND		
Copper Freshwater Acute SW Standard = 3.6 ug/L Freshwater Chronic SW Standard = 2.7 ug/L	ug/L	11/05/03	--	--	--	dry		ND	--	ND			
	ug/L	05/25/04	--	--	200	dry		ND	--	ND			
	ug/L	05/16/05	--	--	200	dry		ND	--	ND			
	ug/L	11/25/05	--	--	200	dry		ND	--	ND			
	ug/L	05/24/06	--	--	200	dry		ND	--	ND			
	ug/L	11/20/06	--	--	200	dry		ND	--	ND			
	ug/L	05/22/07	--	--	10	dry		ND	--	ND			
	ug/L	11/15/07	--	--	10	ND		ND		dry	ND		
	ug/L	05/28/08	--	--	10	1.20	B	ND		ND	1.00	J	
	ug/L	11/17/08	--	--	10	dry		ND		1.70	J	ND	
	ug/L	05/26/09	--	--	10	ND		ND		ND	1.47	J	
	ug/L	11/11/09	--	--	10	ND		ND		ND	ND	ND	
	ug/L	05/26/10	--	--	10	ND		ND		ND	ND	ND	
	ug/L	11/15/10	--	--	10	ND		ND		2.48	J	ND	
	ug/L	05/09/11	--	--	10	ND		ND		2.63	J	ND	
	ug/L	11/14/11	--	--	10	ND		1.67	J	2.82	J	ND	
	ug/L	05/08/12	--	--	10	10.6		ND		2.86	J	ND	
	ug/L	11/05/12	--	--	10	ND		ND		ND	ND	ND	
	ug/L	05/13/13	--	--	10	ND		ND		ND	ND	ND	
	ug/L	11/11/13	--	--	10	ND		ND		ND	ND	ND	
	ug/L	05/12/14	--	--	10	ND		ND		1.70	J	ND	
	ug/L	11/17/14	1.6	--	10	ND		ND		ND	ND	ND	
	ug/L	05/12/15	1.6	--	10	ND		ND		7.12	J	ND	
	ug/L	11/09/15	1.6	--	10	ND		ND		ND	ND	ND	
	ug/L	05/11/16	1.6	--	10	ND		ND		dry		2.90	J
	ug/L	11/07/16	1.6	--	10	2.19	B	ND		3.55	B	3.34	J
	ug/L	05/09/17	1.6	--	10	ND		13.0		2.46	B	2.45	J
	(Dissolved)	ug/L	06/23/17	1.6	--	10	--		1.68	J	--	ND	
	(Verification Event)	ug/L	06/23/17	1.6	--	10	--		3.75	J	--	ND	
	ug/L	11/06/17	1.6	--	10	1.99	B	2.46	B	4.46	B	2.81	J
	ug/L	05/09/18	1.6	--	10	ND		ND		ND		2.32	J
	ug/L	11/15/18	1.6	10	--	ND		1.91	J	5.84	J	ND	
(Verification Event)	ug/L	01/29/19	1.6	10	--	--	--		3.13	J	ND		
(Verification Event - Dissolved)	ug/L	01/29/19	1.6	10	--	--	--		2.76	J	ND		
ug/L	05/15/19	1.6	10	--	1.60	J	ND		ND		ND		
ug/L	11/11/19	1.6	10	--	ND		ND		2.25	J	ND		
ug/L	05/19/20	1.6	10	--	ND		2.50	J	2.23	J	ND		
ug/L	11/10/20	1.6	10	--	ND		ND		3.97	J	ND		
ug/L	05/18/21	1.6	10	--	ND		1.89	J	2.07	J	ND		
ug/L	11/08/21	1.6	10	--	ND		ND		2.02	J	ND		
ug/L	05/10/22	1.6	10	--	ND		ND		ND		ND		

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream			Downstream			Blanks
						SW-1	SW-4	SW-5	SW-1	SW-4	SW-5	
Lead Freshwater Acute SW Standard = 14 ug/L Freshwater Chronic SW Standard = 0.54 ug/L	ug/L	11/05/03	--	--	--							ND
	ug/L	05/25/04	--	--	10							ND
	ug/L	05/16/05	--	--	10							ND
	ug/L	11/25/05	--	--	10							ND
	ug/L	05/24/06	--	--	10							ND
	ug/L	11/20/06	--	--	10							ND
	ug/L	05/22/07	--	--	10							ND
	ug/L	11/15/07	--	--	10							ND
	ug/L	05/28/08	--	--	10							ND
	ug/L	11/17/08	--	--	10							ND
	ug/L	05/26/09	--	--	10							ND
	ug/L	11/11/09	--	--	10							ND
	ug/L	05/26/10	--	--	10							ND
	ug/L	11/15/10	--	--	10							ND
	ug/L	05/09/11	--	--	10							ND
	ug/L	11/14/11	--	--	10							ND
	ug/L	05/08/12	--	--	10							ND
	ug/L	11/05/12	--	--	10							ND
	ug/L	05/13/13	--	--	10							ND
	ug/L	11/11/13	--	--	10							ND
	ug/L	05/12/14	--	--	10							ND
	ug/L	11/17/14	2.1	--	10							ND
	ug/L	05/12/15	2.1	--	10							ND
	ug/L	11/09/15	2.1	--	10							ND
	ug/L	05/11/16	3.1	--	10							ND
	ug/L	11/07/16	3.1	--	10							ND
	ug/L	05/09/17	3.1	--	10							ND
	(Dissolved)	ug/L	06/23/17	3.1	--	10						ND
	(Verification Event)	ug/L	06/23/17	3.1	--	10						ND
	ug/L	11/06/17	3.1	--	10							ND
ug/L	05/09/18	3.1	--	10							ND	
ug/L	11/15/18	3.1	10	--							ND	
ug/L	05/15/19	3.1	10	--							ND	
ug/L	11/11/19	3.1	10	--							ND	
ug/L	05/19/20	3.1	10	--							ND	
ug/L	07/09/20	3.1	10	--							ND	
ug/L	11/10/20	3.1	10	--							ND	
ug/L	05/18/21	3.1	10	--							ND	
ug/L	11/08/21	3.1	10	--							ND	
ug/L	05/10/22	3.1	10	--							ND	
Nickel Freshwater Acute SW Standard = 140 ug/L Freshwater Chronic SW Standard = 16 ug/L	ug/L	11/05/03	--	--	--							ND
	ug/L	05/25/04	--	--	50							ND
	ug/L	05/16/05	--	--	50							ND
	ug/L	11/25/05	--	--	50							ND
	ug/L	05/24/06	--	--	50							ND
	ug/L	11/20/06	--	--	50							ND
	ug/L	05/22/07	--	--	50							ND
	ug/L	11/15/07	--	--	50							ND
	ug/L	05/28/08	--	--	50							ND
	ug/L	11/17/08	--	--	50							ND
	ug/L	05/26/09	--	--	50							ND
	ug/L	11/11/09	--	--	50							ND
	ug/L	05/26/10	--	--	50							ND
	ug/L	11/15/10	--	--	50							ND
	ug/L	05/09/11	--	--	50							ND
	ug/L	11/14/11	--	--	50							ND
	ug/L	05/08/12	--	--	50							ND
	ug/L	11/05/12	--	--	50							ND
	ug/L	05/13/13	--	--	50							ND
	ug/L	11/11/13	--	--	50							ND
	ug/L	05/12/14	--	--	50							ND
	ug/L	11/17/14	1.8	--	50							ND
	ug/L	05/12/15	1.8	--	50							ND
	ug/L	11/09/15	1.8	--	50							ND
	ug/L	05/11/16	2.2	--	50							ND
	ug/L	11/07/16	2.2	--	50							ND
	ug/L	05/09/17	2.2	--	50							ND
	ug/L	11/06/17	2.2	--	50							ND
	ug/L	05/09/18	2.2	--	50							ND
	ug/L	11/15/18	2.2	10	--							ND
ug/L	05/15/19	2.2	10	--							ND	
ug/L	11/11/19	2.2	10	--							ND	
ug/L	05/19/20	2.2	10	--							ND	
ug/L	11/10/20	2.2	10	--							ND	
ug/L	05/18/21	2.2	10	--							ND	
ug/L	11/08/21	2.2	10	--							ND	
ug/L	05/10/22	2.2	10	--							ND	

TABLE 8

**Summary of Surface Water Monitoring Results
Detected Constituents
Sampson County Active MSW/C&D Landfill , Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream		Downstream		Blanks	
						SW-1	SW-4	SW-5			
Selenium Freshwater Acute SW Standard = 5 ug/L Freshwater Chronic SW Standard = 5 ug/L	ug/L	11/05/03	--	--	--	--	ND	--	ND		
	ug/L	05/25/04	--	--	20	--	ND	--	ND		
	ug/L	05/16/05	--	--	20	--	ND	--	ND		
	ug/L	11/25/05	--	--	20	--	ND	--	ND		
	ug/L	05/24/06	--	--	20	--	ND	--	ND		
	ug/L	11/20/06	--	--	20	--	ND	--	ND		
	ug/L	05/22/07	--	--	10	dry	ND	--	ND		
	ug/L	11/15/07	--	--	10	2.0	B	ND	dry	3.1	J
	ug/L	05/28/08	--	--	10	ND		ND	ND	ND	
	ug/L	11/17/08	--	--	10	dry		ND	ND	ND	
	ug/L	05/26/09	--	--	10	ND		ND	ND	ND	
	ug/L	11/11/09	--	--	10	ND		ND	ND	ND	
	ug/L	05/26/10	--	--	10	ND		ND	ND	ND	
	ug/L	11/15/10	--	--	10	ND		ND	ND	ND	
	ug/L	05/09/11	--	--	10	2.85	J	ND	ND	ND	
	ug/L	05/09/11	--	--	10	0.987	J	ND	ND	ND	
	ug/L	11/14/11	--	--	10	ND		ND	ND	ND	
	ug/L	05/08/12	--	--	10	ND		ND	ND	4.01	J
	ug/L	11/05/12	--	--	10	ND		ND	ND	ND	
	ug/L	05/13/13	--	--	10	ND		ND	ND	ND	
	ug/L	11/11/13	--	--	10	ND		ND	ND	ND	
	ug/L	05/12/14	--	--	10	ND		ND	ND	ND	
	ug/L	11/17/14	5.0	--	10	ND		ND	ND	ND	
	ug/L	05/12/15	5.0	--	10	ND		ND	ND	ND	
	ug/L	11/09/15	5.0	--	10	ND		ND	ND	ND	
	ug/L	05/11/16	6.2	--	10	ND		ND	dry	ND	
	ug/L	11/07/16	6.2	--	10	ND		ND	ND	ND	
	ug/L	05/09/17	6.2	--	10	ND		ND	ND	ND	
	ug/L	11/06/17	6.2	--	10	ND		ND	ND	ND	
	ug/L	05/09/18	6.2	--	10	ND		ND	ND	ND	
	ug/L	11/15/18	6.2	10	--	ND		ND	ND	ND	
	ug/L	05/15/19	6.2	10	--	ND		ND	ND	ND	
	ug/L	11/11/19	6.2	10	--	ND		ND	ND	ND	
ug/L	05/19/20	6.2	10	--	ND		ND	ND	ND		
ug/L	11/10/20	6.2	10	--	ND		ND	ND	ND		
ug/L	05/18/21	6.2	10	--	ND		ND	ND	ND		
ug/L	11/08/21	6.2	10	--	ND		ND	ND	ND		
ug/L	05/10/22	6.2	10	--	ND		ND	ND	ND		
Silver Freshwater Acute SW Standard = 30 ug/L Freshwater Chronic SW Standard = 0.06 ug/L	ug/L	11/05/03	--	--	--	dry	ND	--	ND		
	ug/L	05/25/04	--	--	10	dry	ND	--	ND		
	ug/L	05/16/05	--	--	10	dry	ND	--	ND		
	ug/L	11/25/05	--	--	10	dry	ND	--	ND		
	ug/L	05/24/06	--	--	10	dry	ND	--	ND		
	ug/L	11/20/06	--	--	10	dry	ND	--	ND		
	ug/L	05/22/07	--	--	10	dry	ND	--	ND		
	ug/L	11/15/07	--	--	10	ND		dry	ND		
	ug/L	05/28/08	--	--	10	ND		ND	2.6	J	
	ug/L	11/17/08	--	--	10	dry		ND	ND	ND	
	ug/L	05/26/09	--	--	10	ND		ND	ND	ND	
	ug/L	11/11/09	--	--	10	ND		ND	ND	ND	
	ug/L	05/26/10	--	--	10	ND		ND	ND	ND	
	ug/L	11/15/10	--	--	10	ND		ND	ND	ND	
	ug/L	05/09/11	--	--	10	ND		ND	ND	ND	
	ug/L	11/14/11	--	--	10	ND		ND	ND	ND	
	ug/L	05/08/12	--	--	10	ND		ND	ND	ND	
	ug/L	11/05/12	--	--	10	ND		ND	ND	ND	
	ug/L	05/13/13	--	--	10	ND		ND	ND	ND	
	ug/L	11/11/13	--	--	10	ND		ND	ND	ND	
	ug/L	05/12/14	--	--	10	ND		ND	ND	ND	
	ug/L	11/17/14	1.9	--	10	ND		ND	ND	ND	
	ug/L	05/12/15	1.9	--	10	ND		ND	ND	ND	
	ug/L	11/09/15	1.9	--	10	ND		ND	1.95	J	
	ug/L	05/11/16	1.9	--	10	ND		ND	dry	ND	
	ug/L	11/07/16	1.9	--	10	ND		ND	ND	ND	
	ug/L	05/09/17	1.9	--	10	ND		ND	ND	ND	
	ug/L	11/06/17	1.9	--	10	ND		ND	ND	ND	
	ug/L	05/09/18	1.9	--	10	ND		ND	ND	ND	
	ug/L	11/15/18	1.9	10	--	ND		ND	ND	ND	
	ug/L	05/15/19	1.9	10	--	ND		ND	ND	ND	
	ug/L	11/11/19	1.9	10	--	ND		ND	ND	ND	
	ug/L	05/19/20	1.9	10	--	ND		ND	ND	ND	
ug/L	11/10/20	1.9	10	--	ND		ND	ND	ND		
ug/L	05/18/21	1.9	10	--	ND		ND	ND	ND		
ug/L	11/08/21	1.9	10	--	ND		ND	ND	ND		
ug/L	05/10/22	1.9	10	--	ND		ND	ND	ND		

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream		Downstream		Blanks	
						SW-1	SW-4	SW-5			
Thallium (No SW Standard)	ug/L	11/05/03	--	--	--	dry	ND	--	ND	ND	
	ug/L	05/25/04	--	--	10	dry	ND	--	ND	ND	
	ug/L	05/16/05	--	--	10	dry	ND	--	ND	ND	
	ug/L	11/25/05	--	--	10	dry	ND	--	ND	ND	
	ug/L	05/24/06	--	--	10	dry	ND	--	ND	ND	
	ug/L	11/20/06	--	--	10	dry	ND	--	ND	ND	
	ug/L	05/22/07	--	--	5.5	dry	ND	--	ND	ND	
	ug/L	11/15/07	--	--	5.5	ND	ND	dry	--	--	ND
	ug/L	05/28/08	--	--	5.5	ND	0.064	J	0.043	J	ND
	ug/L	11/17/08	--	--	5.5	dry	ND	ND	ND	ND	ND
	ug/L	05/26/09	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/11/09	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/26/10	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/15/10	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/09/11	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/08/12	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/05/12	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	0.11	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/12/15	0.11	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/09/15	0.11	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/11/16	0.11	--	5.5	ND	ND	dry	ND	ND	ND
	ug/L	11/07/16	0.11	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/09/17	0.11	--	5.5	0.153	J	0.145	J	0.133	J
	ug/L	11/06/17	0.11	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	05/09/18	0.55	--	5.5	ND	ND	ND	ND	ND	ND
	ug/L	11/15/18	0.55	5.0	--	ND	ND	ND	ND	ND	ND
	ug/L	05/15/19	0.22	2.0	--	ND	ND	ND	ND	ND	ND
	ug/L	11/11/19	0.22	2.0	--	ND	ND	ND	ND	ND	ND
ug/L	05/19/20	0.22	2.0	--	ND	ND	ND	ND	ND	ND	
ug/L	11/10/20	0.22	2.0	--	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	0.22	2.0	--	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	0.22	2.0	--	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	0.22	2.0	--	ND	ND	ND	ND	ND	ND	
Vanadium (No SW Standard)	ug/L	11/05/03	--	--	--	dry	ND	--	ND	ND	
	ug/L	05/25/04	--	--	40	dry	ND	--	ND	ND	
	ug/L	05/16/05	--	--	40	dry	ND	--	ND	ND	
	ug/L	11/25/05	--	--	40	dry	ND	--	ND	ND	
	ug/L	05/24/06	--	--	40	dry	ND	--	ND	ND	
	ug/L	11/20/06	--	--	40	dry	ND	--	ND	ND	
	ug/L	05/22/07	--	--	25	dry	ND	--	ND	ND	
	ug/L	11/15/07	--	--	25	ND	ND	dry	--	ND	
	ug/L	05/28/08	--	--	25	1.7	B	42.8	ND	1.2	J
	ug/L	11/17/08	--	--	25	dry	ND	ND	ND	ND	ND
	ug/L	05/26/09	--	--	25	0.7	J	1.1	J	1.2	J
	ug/L	11/11/09	--	--	25	1.74	J	1.61	J	ND	ND
	ug/L	05/26/10	--	--	25	ND	ND	3.13	J	ND	ND
	ug/L	11/15/10	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	05/09/11	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	11/14/11	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	05/08/12	--	--	25	12.9	J	ND	ND	ND	ND
	ug/L	11/05/12	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	05/13/13	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	11/11/13	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	05/12/14	--	--	25	ND	ND	ND	ND	ND	ND
	ug/L	11/17/14	1.4	--	25	ND	ND	3.28	J	ND	ND
	ug/L	05/12/15	1.4	--	25	ND	ND	ND	4.12	J	ND
	ug/L	11/09/15	1.4	--	25	ND	ND	ND	1.84	J	ND
	ug/L	05/11/16	1.4	--	25	ND	ND	dry	ND	ND	ND
	ug/L	11/07/16	1.4	--	25	ND	ND	ND	ND	ND	ND
	ug/L	05/09/17	1.4	--	25	ND	ND	17.9	J	2.38	J
	ug/L	11/06/17	1.4	--	25	ND	ND	ND	1.74	J	ND
	ug/L	05/09/18	1.4	--	25	ND	ND	1.85	J	ND	ND
	ug/L	11/15/18	1.4	10	--	1.50	J	3.78	J	4.50	J
	ug/L	05/15/19	1.4	10	--	ND	ND	2.01	J	3.76	J
	ug/L	11/11/19	1.4	10	--	ND	ND	ND	ND	ND	ND
ug/L	05/19/20	1.4	10	--	ND	ND	3.74	J	ND	ND	
ug/L	11/10/20	1.4	10	--	ND	ND	ND	ND	ND	ND	
ug/L	05/18/21	1.4	10	--	ND	ND	ND	ND	ND	ND	
ug/L	11/08/21	1.4	10	--	ND	ND	ND	ND	ND	ND	
ug/L	05/10/22	1.4	10	--	ND	ND	ND	ND	ND	ND	

TABLE 8

Summary of Surface Water Monitoring Results
 Detected Constituents
 Sampson County Active MSW/C&D Landfill , Permit No. 82-02
 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream	Downstream		Blanks			
						SW-1	SW-4	SW-5				
Zinc Freshwater Acute SW Standard = 36 ug/L Freshwater Chronic SW Standard = 36 ug/L	ug/L	11/05/03	--	--	--	--	ND	--	ND			
	ug/L	05/25/04	--	--	50	--	ND	--	ND			
	ug/L	05/16/05	--	--	50	--	ND	--	ND			
	ug/L	11/25/05	--	--	50	--	ND	--	ND			
	ug/L	05/24/06	--	--	50	--	ND	--	ND			
	ug/L	11/20/06	--	--	50	--	ND	--	ND			
	ug/L	05/22/07	--	--	10	dry	17.8	--	ND			
	ug/L	11/15/07	--	--	10	6.6	J	6.5	J	dry	ND	
	ug/L	05/28/08	--	--	10	6.9	B	31.9		15.9	1.8	J
	ug/L	11/17/08	--	--	10	dry		9.7	B	24.2	4.6	J
	ug/L	05/26/09	--	--	10	ND		14.6		19.7	ND	
	ug/L	11/11/09	--	--	10	16.0		31.3		22.4	ND	
	ug/L	05/26/10	--	--	10	ND		42.0		5.72	J	ND
	ug/L	11/15/10	--	--	10	ND		ND		97.8		ND
	ug/L	12/21/10	--	--	10	--		--		98.1		--
	ug/L	05/09/11	--	--	10	4.82	J	10.4		110		ND
	ug/L	11/14/11	--	--	10	4.35	J	10.6		36.8		ND
	ug/L	05/08/12	--	--	10	14.5		6.92	J	8.29	J	ND
	ug/L	11/05/12	--	--	10	ND		ND		24.6		ND
	ug/L	05/13/13	--	--	10	5.55	J	5.15	J	6.06	J	ND
	ug/L	11/11/13	--	--	10	4.13	J	4.26	J	47.5		ND
	ug/L	05/12/14	--	--	10	ND		ND		21.0		ND
	ug/L	11/17/14	3.8	--	10	4.51	J	7.67	J	5.23	J	ND
	ug/L	05/12/15	3.8	--	10	ND		3.88	J	180		ND
	ug/L	11/09/15	3.8	--	10	4.18	J	77.2		62.8		ND
	ug/L	05/11/16	4.4	--	10	ND		7.39	J	dry		ND
	ug/L	11/07/16	4.4	--	10	6.01	J	27.1		22.7		ND
	ug/L	05/09/17	4.4	--	10	ND		186		22.4		ND
	(Dissolved)	ug/L	06/23/17	4.4	--	10	--	13.7		--		ND
	(Verification Event)	ug/L	06/23/17	4.4	--	10	--	39.0		--		ND
		ug/L	11/06/17	4.4	--	10	ND	ND		37.8		ND
	(Verification Event - Dissolved)	ug/L	01/11/18	4.4	--	10	--	--		70.2		ND
	(Verification Event)	ug/L	01/11/18	4.4	--	10	--	--		84.8		ND
		ug/L	05/09/18	4.4	--	10	7.87	J	8.03	J	20.6	ND
		ug/L	11/15/18	4.4	10	--	ND	15.7		92.1		ND
	(Verification Event)	ug/L	01/29/19	4.4	10	--	--	--		36.4		ND
(Verification Event - Dissolved)	ug/L	01/29/19	4.4	10	--	--	--		20.8		ND	
	ug/L	05/15/19	4.4	10	--	ND	10.4		23.3		ND	
	ug/L	11/11/19	4.4	10	--	4.73	J	8.79	J	20.5	ND	
	ug/L	05/19/20	4.4	10	--	ND	66.0		10.3		ND	
	ug/L	07/09/20	4.4	10	--	--	96.8		--		ND	
	ug/L	11/10/20	4.4	10	--	ND	9.73	J	14.6		ND	
	ug/L	05/18/21	4.4	10	--	ND	16.7		33.0		ND	
	ug/L	11/08/21	4.4	10	--	ND	21.7		32.3		ND	
	ug/L	05/10/22	4.4	10	--	ND	7.89	J	6.73	J	ND	
Acetone SW Standard = 2000 ug/L	ug/L	11/05/03	--	--	100	dry	ND	--	--		ND	
	ug/L	05/25/04	--	--	100	dry	ND	--	--		ND	
	ug/L	05/16/05	--	--	100	dry	ND	--	--		ND	
	ug/L	11/25/05	--	--	100	dry	ND	--	--		ND	
	ug/L	05/24/06	--	--	100	dry	ND	--	--		ND	
	ug/L	11/20/06	--	--	100	dry	ND	--	--		ND	
	ug/L	05/22/07	--	--	100	dry	ND	--	--		6.6	J
	ug/L	11/15/07	--	--	100	ND	ND		dry		--	J
	ug/L	05/28/08	--	--	100	ND	5.6	B	7.1	B	2.9	J
	ug/L	11/17/08	--	--	100	dry	8.4	B	9.2	B	9.8	J
	ug/L	05/26/09	--	--	100	ND	ND		ND		ND	
	ug/L	11/11/09	--	--	100	ND	ND		ND		ND	
	ug/L	05/26/10	--	--	100	ND	ND		ND		ND	
	ug/L	11/15/10	--	--	100	ND	ND		9.7	B	9.2	J
	ug/L	05/09/11	--	--	100	ND	ND		3.9	J	ND	
	ug/L	11/14/11	--	--	100	ND	ND		ND		ND	
	ug/L	05/08/12	--	--	100	ND	ND		ND		ND	
	ug/L	11/05/12	--	--	100	ND	ND		ND		ND	
	ug/L	11/05/12	--	--	100	ND	ND		ND		ND	
	ug/L	05/13/13	--	--	100	ND	ND		ND		ND	
	ug/L	11/11/13	--	--	100	ND	ND		ND		ND	
	ug/L	05/12/14	--	--	100	ND	ND		ND		ND	
	ug/L	11/17/14	1.2	--	100	ND	ND		ND		ND	
	ug/L	05/12/15	1.2	--	100	ND	ND		17	J	ND	
	ug/L	11/09/15	1.2	--	100	ND	ND		23	J	ND	
	ug/L	05/11/16	1.2	--	100	ND	ND		dry		ND	
	ug/L	11/07/16	10	--	100	ND	ND		ND		ND	
	ug/L	05/09/17	10	--	100	ND	ND		ND		ND	
	ug/L	11/06/17	10	--	100	ND	ND		ND		ND	
	ug/L	05/09/18	10	--	100	ND	ND		ND		ND	
	ug/L	11/15/18	10	20	--	ND	ND		ND		ND	
	ug/L	05/15/19	10	20	--	ND	ND		ND		ND	
	ug/L	11/11/19	10	20	--	ND	ND		ND		ND	
	ug/L	05/19/20	10	20	--	ND	ND		ND		ND	
	ug/L	11/10/20	10	20	--	ND	ND		ND		ND	
	ug/L	05/18/21	10	20	--	ND	ND		ND		ND	
ug/L	11/08/21	10	20	--	ND	ND		ND		27		
ug/L	05/10/22	10	20	--	ND	ND		ND		ND		

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 Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream	Downstream		Blanks	
						SW-1	SW-4	SW-5		
Chloroform Human Health SW Standard = 150 ug/L	ug/L	11/05/03	--	--	5	--	ND	--	ND	
	ug/L	05/25/04	--	--	5	--	ND	--	ND	
	ug/L	05/16/05	--	--	5	--	ND	--	ND	
	ug/L	11/25/05	--	--	5	--	ND	--	ND	
	ug/L	05/24/06	--	--	5	--	ND	--	ND	
	ug/L	11/20/06	--	--	5	--	ND	--	ND	
	ug/L	05/22/07	--	--	5	dry	ND	--	ND	
	ug/L	11/15/07	--	--	5	ND	0.48	J	dry	ND
	ug/L	05/28/08	--	--	5	ND	ND		ND	ND
	ug/L	11/17/08	--	--	5	dry	ND		ND	ND
	ug/L	05/26/09	--	--	5	ND	ND		ND	ND
	ug/L	11/11/09	--	--	5	ND	ND		ND	ND
	ug/L	05/26/10	--	--	5	ND	ND		ND	ND
	ug/L	11/15/10	--	--	5	ND	ND		ND	ND
	ug/L	05/09/11	--	--	5	ND	ND		ND	ND
	ug/L	11/14/11	--	--	5	ND	ND		ND	ND
	ug/L	05/08/12	--	--	5	ND	ND		ND	ND
	ug/L	11/05/12	--	--	5	ND	ND		ND	ND
	ug/L	11/05/12	--	--	5	ND	ND		ND	ND
	ug/L	05/13/13	--	--	5	ND	ND		ND	ND
	ug/L	11/11/13	--	--	5	ND	ND		ND	ND
	ug/L	05/12/14	--	--	5	ND	ND		ND	ND
	ug/L	11/17/14	0.18	--	5	ND	ND		ND	ND
	ug/L	05/12/15	0.18	--	5	ND	ND		ND	ND
	ug/L	11/09/15	0.18	--	5	ND	ND		ND	ND
	ug/L	05/11/16	0.18	--	5	ND	ND		dry	ND
	ug/L	11/07/16	0.18	--	5	ND	ND		ND	ND
	ug/L	05/09/17	0.18	--	5	ND	ND		ND	ND
	ug/L	11/06/17	0.18	--	5	ND	ND		ND	ND
	ug/L	05/09/18	0.18	--	5	ND	ND		ND	ND
	ug/L	11/15/18	0.18	1.0	--	ND	ND		ND	ND
	ug/L	05/15/19	0.18	1.0	--	ND	ND		ND	ND
ug/L	11/11/19	0.18	1.0	--	ND	ND		ND	ND	
ug/L	05/19/20	0.18	1.0	--	ND	ND		ND	ND	
ug/L	11/10/20	0.18	1.0	--	ND	ND		ND	ND	
ug/L	05/18/21	0.18	1.0	--	ND	ND		ND	ND	
ug/L	11/08/21	0.18	1.0	--	ND	ND		ND	ND	
ug/L	05/10/22	0.18	1.0	--	ND	ND		ND	ND	
Toluene (SW Standard = 11 ug/L)	ug/L	11/05/03	--	--	5	dry	ND	--	ND	
	ug/L	05/25/04	--	--	5	dry	ND	--	ND	
	ug/L	05/16/05	--	--	5	dry	ND	--	ND	
	ug/L	11/25/05	--	--	5	dry	ND	--	ND	
	ug/L	05/24/06	--	--	5	dry	ND	--	ND	
	ug/L	11/20/06	--	--	5	dry	ND	--	ND	
	ug/L	05/22/07	--	--	1	dry	ND	--	ND	
	ug/L	11/15/07	--	--	1	ND	ND		dry	--
	ug/L	05/28/08	--	--	1	ND	ND		ND	ND
	ug/L	11/17/08	--	--	1	dry	ND		ND	ND
	ug/L	05/26/09	--	--	1	ND	ND		ND	ND
	ug/L	11/11/09	--	--	1	ND	ND		ND	ND
	ug/L	05/26/10	--	--	1	ND	ND		ND	ND
	ug/L	11/15/10	--	--	1	ND	ND		ND	ND
	ug/L	05/09/11	--	--	1	ND	ND		ND	ND
	ug/L	11/14/11	--	--	1	ND	ND		ND	ND
	ug/L	05/08/12	--	--	1	ND	ND		ND	0.55
	ug/L	11/05/12	--	--	1	ND	ND		ND	ND
	ug/L	05/13/13	--	--	1	ND	ND		ND	ND
	ug/L	11/11/13	--	--	1	ND	ND		ND	ND
	ug/L	05/12/14	--	--	1	ND	ND		ND	ND
	ug/L	11/17/14	--	--	1	ND	ND		ND	ND
	ug/L	05/12/15	--	--	1	ND	ND		ND	ND
	ug/L	11/09/15	--	--	1	ND	ND		ND	ND
	ug/L	05/11/16	--	--	1	ND	ND		dry	ND
	ug/L	11/07/16	--	--	1	ND	ND		ND	ND
	ug/L	05/09/17	--	--	1	ND	ND		ND	ND
	ug/L	06/23/17	--	--	1	ND	ND		ND	ND
	ug/L	11/06/17	--	--	1	ND	ND		ND	ND
	ug/L	05/09/18	--	--	1	ND	ND		ND	ND
	ug/L	11/15/18	--	1.0	--	ND	ND		ND	ND
	ug/L	05/15/19	0.14	1.0	--	1.4	ND		ND	ND
ug/L	11/11/19	0.14	1.0	--	ND	ND		ND	ND	
ug/L	05/19/20	0.14	1.0	--	ND	ND		ND	ND	
ug/L	11/10/20	0.14	1.0	--	ND	ND		ND	ND	
ug/L	05/18/21	0.14	1.0	--	ND	ND		ND	ND	
ug/L	11/08/21	0.14	1.0	--	ND	ND		ND	ND	
ug/L	05/10/22	0.14	1.0	--	ND	5.0		ND	ND	
1,4-Dioxane (SW Standard = 80 ug/L)	ug/L	11/15/18	1.2	2.0	--	ND	1.2	J	ND	ND
	ug/L	05/15/19	1.2	2.0	--	ND	ND		ND	ND
	ug/L	11/11/19	0.8	2.0	--	ND	ND		ND	ND
	ug/L	05/19/20	0.8	2.0	--	ND	ND		ND	ND
	ug/L	11/10/20	0.8	2.0	--	ND	ND		2.0	ND
	ug/L	05/18/21	0.8	2.0	--	ND	ND		ND	ND
	ug/L	11/08/21	0.8	2.0	--	ND	ND		ND	ND
ug/L	05/10/22	0.8	2.0	--	ND	ND		ND	ND	

TABLE 8

**Summary of Surface Water Monitoring Results
Detected Constituents
Sampson County Active MSW/C&D Landfill , Permit No. 82-02
Sampson County, North Carolina**

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Upstream		Downstream		Blanks
						SW-1	SW-4	SW-5		
Tetrahydrofuran (No SW Standard)	ug/L	05/08/12	--	--	--	--	--	ND	ND	
	ug/L	11/05/12	--	--	--	--	--	ND	ND	
	ug/L	05/13/13	--	--	--	--	--	ND	--	
	ug/L	11/11/13	--	--	--	--	--	ND	ND	
	ug/L	05/12/14	--	--	--	--	--	ND	ND	
	ug/L	11/17/14	0.80	--	--	--	--	ND	ND	
	ug/L	05/12/15	0.80	--	--	--	--	ND	ND	
	ug/L	11/09/15	0.80	--	--	--	--	2.1	ND	
	ug/L	05/11/16	0.80	--	--	--	--	dry	--	
	ug/L	11/07/16	0.80	--	--	--	--	ND	ND	
	ug/L	05/09/17	0.80	--	--	--	--	ND	ND	
	ug/L	11/06/17	0.80	--	--	--	--	ND	ND	
	ug/L	05/09/18	0.80	--	--	--	--	ND	ND	
	ug/L	11/15/18	0.80	--	1.0	--	--	ND	ND	
	ug/L	05/15/19	0.53	--	1.0	--	--	ND	ND	
	ug/L	11/11/19	0.53	--	1.0	--	--	ND	ND	
	ug/L	05/19/20	0.53	--	1.0	--	--	ND	ND	
	ug/L	11/10/20	0.53	--	1.0	--	--	ND	ND	
	ug/L	05/18/21	0.53	--	1.0	--	--	ND	ND	
	ug/L	11/08/21	0.53	--	1.0	--	--	ND	ND	
ug/L	05/10/22	0.53	--	1.0	--	--	ND	ND		

- Notes:
- ug/L = micrograms per liter
 - ND = Not detected at the stated reporting limit
 - J = Prior to the November 2018 event, J flags are estimated values below the SWS Reporting limit. Beginning with the November 2018 event, J flags are estimated values between MDL and PQL.
 - = no data available
 - dry = no sample collected because sampling point was dry
 - Blanks = field, trip and method blanks
 - Bold = Concentrations above Human Health or Chronic Surface Water Standard
 - Shaded and Bold = Concentration above Acute and Chronic Surface Water Standards
 - SW Standard = Surface water standard (action level)
 - Surface Water Standards based on Class C Freshwater Aquatic Life stream classification for the Bearskin Swamp per 15A NCAC 2B.
 - SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting on 01/18/07
 - 1) Data prior to 2/28/07 provided by Richardson, Smith, Gardner and Associates.
 - 2) SW-5 was added as a downstream sampling point for Phase 2 following the May 2007 sampling event.
 - 3) Data in parentheses are from laboratory re-analysis.
 - 4) The following dilutions were noted for the May 2022 event: antimony and thallium x2 - all points

TABLE 9
Summary of Surface Water Field Parameters
Sampson County Active MSW/C&D Landfill , Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upstream	Downstream		
			SW-1	SW-4	SW-5	
pH (field)	S.U.	05/24/06	--	5.1	--	
	S.U.	11/20/06	--	4.4	--	
	S.U.	05/23/07	dry	3.14	--	
	S.U.	11/13/07	5.60	6.16	dry	
	S.U.	05/28/08	4.12	3.84	6.30	
	S.U.	11/17/08	dry	4.03	6.23	
	S.U.	05/26/09	4.34	4.20	6.67	
	S.U.	11/11/09	3.18	3.44	5.80	
	S.U.	05/26/10	4.35	4.23	5.54	
	S.U.	11/15/10	4.26	4.06	3.90	
	(Verification Event)	S.U.	12/21/10	--	--	3.60
	S.U.	05/09/11	2.88	3.26	3.30	
	S.U.	11/14/11	5.03	4.45	4.07	
	S.U.	05/08/12	4.25	5.30	6.19	
	S.U.	11/05/12	3.53	4.12	4.14	
	S.U.	05/13/13	5.54	4.48	5.37	
	S.U.	11/11/13	4.54	4.30	4.42	
	S.U.	05/12/14	5.00	4.47	5.72	
	S.U.	11/18/14	4.12	4.40	5.64	
	S.U.	05/12/15	3.04	2.04	3.38	
	S.U.	11/09/15	4.06	2.70	6.58	
	S.U.	05/11/16	3.91	3.66	dry	
	S.U.	11/07/16	4.37	4.38	5.44	
	S.U.	05/09/17	4.51	5.68	7.29	
	(Verification Event)	S.U.	06/23/17	--	6.49	--
	S.U.	11/06/17	5.45	5.98	7.48	
	(Verification Event)	S.U.	01/11/18	--	--	6.64
	S.U.	05/09/18	4.58	5.53	6.40	
	S.U.	11/13/18	4.81	6.68	6.78	
	(Verification Event)	S.U.	01/29/19	--	--	5.22
	S.U.	05/12/19	5.67	7.00	6.86	
	S.U.	11/11/19	5.40	6.09	5.82	
	S.U.	05/19/20	4.87	5.50	7.16	
	(Verification Event)	S.U.	07/09/20	--	7.38	--
	S.U.	11/10/20	4.47	5.68	7.38	
	S.U.	05/18/21	5.04	6.19	6.87	
	S.U.	11/08/21	5.06	5.87	6.73	
	S.U.	05/10/22	5.02	5.54	8.52	
	Specific Conductance (field)	uS/cm	05/24/06	--	23	--
		uS/cm	11/20/06	--	54	--
		uS/cm	05/23/07	dry	111	--
		uS/cm	11/13/07	177	109	dry
		uS/cm	05/28/08	59	119	672
		uS/cm	11/17/08	dry	41	367
		uS/cm	05/26/09	34	69	329
		uS/cm	11/11/09	128	129	423
		uS/cm	05/26/10	32	50	253
		uS/cm	11/15/10	34	51	482
		(Verification Event)	uS/cm	12/21/10	--	--
uS/cm		05/09/11	40	53	531	
uS/cm		11/14/11	35	62	443	
uS/cm		05/08/12	34	114	431	
uS/cm		11/05/12	27	44	253	
uS/cm		05/13/13	36	38	420	
uS/cm		11/11/13	69	88	317	
uS/cm		05/12/14	53	64	479	
uS/cm		11/18/14	40	49	605	
uS/cm		05/12/15	35	35	668	
uS/cm		11/09/15	47	359	591	
uS/cm		05/11/16	49	168	dry	
uS/cm		11/07/16	41	174	503	
uS/cm		05/09/17	36	475	445	
(Verification Event)		uS/cm	06/23/17	--	122	--
uS/cm		11/06/17	30	49	630	
(Verification Event)		uS/cm	01/11/18	--	--	442
uS/cm		05/09/18	37	71	330	
uS/cm		11/13/18	50	423	413	
(Verification Event)		uS/cm	01/29/19	--	--	641
uS/cm		05/12/19	37	111	372	
uS/cm		11/11/19	29	90	313	
uS/cm		05/19/20	37	115	329	
(Verification Event)		uS/cm	07/09/20	--	288	--
uS/cm		11/10/20	52	135	1331	
uS/cm		05/18/21	46	175	459	
uS/cm		11/08/21	27	53	358	
uS/cm		05/10/22	32	50	492	

TABLE 9
Summary of Surface Water Field Parameters
Sampson County Active MSW/C&D Landfill , Permit No. 82-02
Sampson County, North Carolina

Detected Monitoring Constituent/Parameter	Reporting Units	Sample Date	Upstream	Downstream		
			SW-1	SW-4	SW-5	
Temperature (field)	Celsius	05/24/06	--	16	--	
	Celsius	11/20/06	--	13	--	
	Celsius	05/23/07	dry	17.27	--	
	Celsius	11/13/07	13.89	14.76	dry	
	Celsius	05/28/08	16.67	17.02	17.25	
	Celsius	11/17/08	dry	10.74	11.24	
	Celsius	05/26/09	17.44	18.18	19.01	
	Celsius	11/11/09	15.24	15.22	14.93	
	Celsius	05/26/10	17.04	17.59	19.38	
	Celsius	11/15/10	14.62	17.20	10.93	
	(Verification Event)	Celsius	12/21/10	--	--	4.10
		Celsius	05/09/11	16.44	16.41	20.18
		Celsius	11/14/11	16.50	16.67	18.69
		Celsius	05/08/12	16.96	20.97	27.52
		Celsius	11/05/12	10.60	10.56	7.88
		Celsius	05/13/13	15.75	15.51	22.36
		Celsius	11/11/13	12.8	12.8	10.1
		Celsius	05/12/14	17.7	17.9	27.7
		Celsius	11/18/14	11.2	10.9	9.3
		Celsius	05/12/15	17.3	17.3	28.1
		Celsius	11/09/15	16.8	16.3	17.7
		Celsius	05/11/16	17.90	20.5	dry
	Celsius	11/07/16	14.89	14.88	15.72	
(Verification Event)	Celsius	05/09/17	15.6	16.9	18.4	
(Verification Event)	Celsius	06/23/17	--	25.1	--	
	Celsius	11/06/17	14.8	15.5	14.6	
(Verification Event)	Celsius	01/11/18	--	--	8.1	
	Celsius	05/09/18	16.7	18.9	22.9	
	Celsius	11/13/18	15.6	15.8	14.0	
(Verification Event)	Celsius	01/29/19	--	--	10.2	
	Celsius	05/12/19	15.8	16.5	19.7	
	Celsius	11/11/19	10.9	10.9	7.1	
	Celsius	05/19/20	17.5	19.5	21.0	
(Verification Event)	Celsius	07/09/20	--	24.8	--	
	Celsius	11/10/20	17.8	18.5	19.5	
	Celsius	05/18/21	16.6	17.6	26.1	
	Celsius	11/08/21	14.4	13.4	12.3	
	Celsius	05/10/22	15.9	18.2	19.1	
Turbidity (field)	NTU	05/23/07	dry	--	--	
	NTU	11/13/07	72.7	51.3	dry	
	NTU	05/28/08	41.1	663	74.6	
	NTU	11/17/08	dry	0.85	5.53	
	NTU	05/26/09	25.7	10.3	14.3	
	NTU	11/11/09	8.38	62.9	11.3	
	NTU	05/26/10	2.95	7.60	34.9	
	NTU	11/15/10	4.38	33.8	21.0	
	(Verification Event)	NTU	12/21/10	--	--	3.34
		NTU	05/09/11	3.57	2.58	1.25
		NTU	11/14/11	17.7	17.9	3.08
		NTU	05/08/12	47.0	3.06	21.2
		NTU	11/05/12	7.86	2.28	1.31
		NTU	05/13/13	6.18	4.15	9.13
		NTU	11/11/13	3.40	11.6	2.42
		NTU	05/12/14	6.95	8.43	7.41
		NTU	11/18/14	158	44.4	7.89
		NTU	05/12/15	4.92	3.27	88.2
		NTU	11/09/15	22.2	16.2	32.8
		NTU	05/11/16	5.60	11.8	dry
		NTU	11/07/16	3.36	8.33	5.73
		NTU	05/09/17	10.5	158	33.2
(Verification Event)	NTU	06/23/17	--	72.0	--	
	NTU	11/06/17	5.05	17.6	22.6	
(Verification Event)	NTU	01/11/18	--	--	28.7	
	NTU	05/09/18	6.47	10.4	8.94	
	NTU	11/13/18	1.78	53.1	78.3	
(Verification Event)	NTU	01/29/19	--	--	9.40	
	NTU	05/12/19	2.91	23.2	41.2	
	NTU	11/11/19	18.3	12.7	5.45	
	NTU	05/19/20	17.1	198	12.8	
(Verification Event)	NTU	07/09/20	--	204	--	
	NTU	11/10/20	4.84	22.9	4.79	
	NTU	05/18/21	2.84	25.0	20.0	
	NTU	11/08/21	2.83	9.74	11.7	
	NTU	05/10/22	2.92	15.1	11.9	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Antimony	ug/L	05/23/07	--	--	6	84.8	ND
	ug/L	11/15/07	--	--	6	11.0	ND
	ug/L	05/28/08	--	--	6	16.8	J ND
	ug/L	11/20/08	--	--	6	9.20	J ND
	ug/L	05/28/09	--	--	6	15.3	J ND
	ug/L	11/12/09	--	--	6	6.42	J 0.0730 J
	ug/L	05/27/10	--	--	6	9.61	J ND
	ug/L	11/15/10	--	--	6	11.5	J ND
	ug/L	05/12/11	--	--	6	8.95	J ND
	ug/L	11/17/11	--	--	6	8.09	J ND
	ug/L	05/10/12	--	--	6	10.4	J ND
	ug/L	11/09/12	--	--	6	2.66	J ND
	ug/L	05/15/13	--	--	6	ND	ND
	ug/L	11/13/13	--	--	6	ND	ND
	ug/L	05/14/14	--	--	6	26.5	J ND
	ug/L	11/19/14	--	--	6	23.0	ND
	ug/L	05/12/15	--	--	6	22.1	ND
	ug/L	11/12/15	--	--	6	26.8	ND
	ug/L	05/13/16	--	--	6	49.7	J ND
	ug/L	11/09/16	--	--	6	11.1	J ND
	ug/L	05/10/17	--	--	6	14.8	J ND
	ug/L	11/06/17	--	--	6	40.3	ND
	ug/L	05/10/18	--	--	6	36.4	ND
	ug/L	11/16/18	1.85	5.0	--	22.9	ND
	ug/L	05/15/19	3.7	10	--	8.06	J ND
	ug/L	11/11/19	7.4	20	--	19.7	J ND
ug/L	05/19/20	7.4	20	--	13.6	J ND	
ug/L	11/11/20	7.4	20	--	32.0	ND	
ug/L	05/18/21	3.7	10	--	22.1	ND	
ug/L	11/08/21	3.7	10	--	22.2	ND	
ug/L	05/10/22	3.7	10	--	87.5	ND	
Arsenic	ug/L	05/24/06	--	--	10	25	ND
	ug/L	11/27/06	--	--	10	62	ND
	ug/L	05/23/07	--	--	10	ND	2.2 J
	ug/L	11/15/07	--	--	10	ND	2.4 J
	ug/L	05/28/08	--	--	10	ND	3.2 J
	ug/L	11/20/08	--	--	10	ND	ND
	ug/L	05/28/09	--	--	10	89.5	J ND
	ug/L	11/12/09	--	--	10	41.2	ND
	ug/L	05/27/10	--	--	10	53.7	ND
	ug/L	11/15/10	--	--	10	31.0	ND
	ug/L	05/12/11	--	--	10	29.7	ND
	ug/L	11/17/11	--	--	10	51.1	J ND
	ug/L	05/10/12	--	--	10	78.5	ND
	ug/L	11/09/12	--	--	10	59.6	4.48 J
	ug/L	05/15/13	--	--	10	50.2	ND
	ug/L	11/13/13	--	--	10	103	ND
	ug/L	05/14/14	--	--	10	84.9	ND
	ug/L	11/19/14	--	--	10	122	ND
	ug/L	05/12/15	--	--	10	111	ND
	ug/L	11/12/15	--	--	10	138	ND
	ug/L	05/13/16	--	--	10	208	ND
	ug/L	11/09/16	--	--	10	164	ND
	ug/L	05/10/17	--	--	10	168	ND
	ug/L	11/06/17	--	--	10	141	ND
	ug/L	05/10/18	--	--	10	228	ND
	ug/L	11/16/18	7.6	10	--	ND	ND
ug/L	05/15/19	76	100	--	118	ND	
ug/L	11/11/19	38	50	--	159	ND	
ug/L	05/19/20	38	50	--	153	ND	
ug/L	11/11/20	38	50	--	222	ND	
ug/L	05/18/21	38	50	--	270	ND	
ug/L	11/08/21	38	50	--	284	ND	
ug/L	05/10/22	38	50	--	618	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Barium	ug/L	05/23/07	--	--	100	46.5 J	0.30 J
	ug/L	11/15/07	--	--	100	33.8 J	0.20 J
	ug/L	05/28/08	--	--	100	98.0 J	0.60 J
	ug/L	11/20/08	--	--	100	178	ND
	ug/L	05/28/09	--	--	100	152	ND
	ug/L	11/12/09	--	--	100	66.9 J	ND
	ug/L	05/27/10	--	--	100	177	ND
	ug/L	11/15/10	--	--	100	156	ND
	ug/L	05/12/11	--	--	100	49.6 J	ND
	ug/L	11/17/11	--	--	100	241	ND
	ug/L	05/10/12	--	--	100	220	ND
	ug/L	11/09/12	--	--	100	72.4 J	ND
	ug/L	05/15/13	--	--	100	256	ND
	ug/L	11/13/13	--	--	100	285	ND
	ug/L	05/14/14	--	--	100	243	ND
	ug/L	11/19/14	--	--	100	207	ND
	ug/L	05/12/15	--	--	100	305	ND
	ug/L	11/12/15	--	--	100	316	ND
	ug/L	05/13/16	--	--	100	555	ND
	ug/L	11/09/16	--	--	100	277	ND
	ug/L	05/10/17	--	--	100	265	ND
	ug/L	11/06/17	--	--	100	133	ND
	ug/L	05/10/18	--	--	100	172	ND
	ug/L	11/16/18	1.1	10	--	231	1.37 J
ug/L	05/15/19	11	100	--	202	ND	
ug/L	11/11/19	5.5	50	--	269	ND	
ug/L	05/19/20	5.5	50	--	225	ND	
ug/L	11/11/20	5.5	50	--	313	ND	
ug/L	05/18/21	5.5	50	--	330	ND	
ug/L	11/08/21	5.5	50	--	246	ND	
ug/L	05/10/22	5.5	50	--	285	ND	
Cadmium	ug/L	05/24/06	--	--	10	76	ND
	ug/L	11/27/06	--	--	10	37	ND
	ug/L	05/23/07	--	--	1	ND	ND
	ug/L	11/15/07	--	--	1	ND	ND
	ug/L	05/28/08	--	--	1	ND	0.50 J
	ug/L	11/20/08	--	--	1	ND	ND
	ug/L	05/28/09	--	--	1	0.90 J	ND
	ug/L	11/12/09	--	--	1	ND	ND
	ug/L	05/27/10	--	--	1	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND
	ug/L	05/12/11	--	--	1	ND	ND
	ug/L	11/17/11	--	--	1	ND	ND
	ug/L	05/10/12	--	--	1	ND	ND
	ug/L	11/09/12	--	--	1	ND	ND
	ug/L	05/15/13	--	--	1	ND	ND
	ug/L	11/13/13	--	--	1	ND	ND
	ug/L	05/14/14	--	--	1	ND	ND
	ug/L	11/19/14	--	--	1	ND	ND
	ug/L	05/12/15	--	--	1	ND	ND
	ug/L	11/12/15	--	--	1	ND	ND
	ug/L	05/13/16	--	--	1	ND	ND
	ug/L	11/09/16	--	--	1	ND	ND
	ug/L	05/10/17	--	--	1	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND
ug/L	05/10/18	--	--	1	ND	ND	
ug/L	11/16/18	0.36	1.0	--	ND	ND	
ug/L	05/15/19	3.6	10	--	ND	ND	
ug/L	11/11/19	1.8	5.0	--	ND	ND	
ug/L	05/19/20	1.8	5.0	--	ND	ND	
ug/L	11/11/20	1.8	5.0	--	ND	ND	
ug/L	05/18/21	1.8	5.0	--	ND	ND	
ug/L	11/08/21	1.8	5.0	--	ND	ND	
ug/L	05/10/22	1.8	5.0	--	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Chromium	ug/L	11/27/06	--	--	10	29	ND
	ug/L	05/23/07	--	--	10	ND	ND
	ug/L	05/23/07	--	--	10	143	ND
	ug/L	11/15/07	--	--	10	ND	ND
	ug/L	05/28/08	--	--	10	ND	ND
	ug/L	11/20/08	--	--	10	47.0	4.9
	ug/L	05/28/09	--	--	10	171	ND
	ug/L	11/12/09	--	--	10	141	ND
	ug/L	05/27/10	--	--	10	121	ND
	ug/L	11/15/10	--	--	10	114	ND
	ug/L	05/12/11	--	--	10	103	ND
	ug/L	11/17/11	--	--	10	174	ND
	ug/L	05/10/12	--	--	10	233	ND
	ug/L	11/09/12	--	--	10	161	ND
	ug/L	05/15/13	--	--	10	250	ND
	ug/L	11/13/13	--	--	10	253	ND
	ug/L	05/14/14	--	--	10	230	ND
	ug/L	11/19/14	--	--	10	289	ND
	ug/L	05/12/15	--	--	10	287	1.82
	ug/L	11/12/15	--	--	10	300	ND
	ug/L	05/13/16	--	--	10	441	ND
	ug/L	11/09/16	--	--	10	358	ND
	ug/L	05/10/17	--	--	10	419	ND
	ug/L	11/06/17	--	--	10	289	ND
	ug/L	05/10/18	--	--	10	432	ND
	ug/L	11/16/18	1.4	10	--	328	ND
ug/L	05/15/19	14	100	--	296	ND	
ug/L	11/11/19	7.0	50	--	471	ND	
ug/L	05/19/20	7.0	50	--	374	ND	
ug/L	11/11/20	7.0	50	--	547	ND	
ug/L	05/18/21	7.0	50	--	605	ND	
ug/L	11/08/21	7.0	50	--	483	ND	
ug/L	05/10/22	7.0	50	--	795	ND	
Cobalt	ug/L	05/24/06	--	--	10	89	ND
	ug/L	11/15/07	--	--	10	213	ND
	ug/L	05/28/08	--	--	10	181	1.0
	ug/L	11/20/08	--	--	10	158	ND
	ug/L	05/28/09	--	--	10	184	ND
	ug/L	11/12/09	--	--	10	83.5	ND
	ug/L	05/27/10	--	--	10	119	ND
	ug/L	11/15/10	--	--	10	65.5	ND
	ug/L	05/12/11	--	--	10	83.6	ND
	ug/L	11/17/11	--	--	10	69.9	ND
	ug/L	05/10/12	--	--	10	143	ND
	ug/L	11/09/12	--	--	10	84.7	ND
	ug/L	05/15/13	--	--	10	108	ND
	ug/L	11/13/13	--	--	10	100	ND
	ug/L	05/14/14	--	--	10	95.7	ND
	ug/L	11/19/14	--	--	10	129	ND
	ug/L	05/12/15	--	--	10	125	ND
	ug/L	11/12/15	--	--	10	99.6	ND
	ug/L	05/13/16	--	--	10	181	ND
	ug/L	11/09/16	--	--	10	117	ND
	ug/L	05/10/17	--	--	10	110	ND
	ug/L	11/06/17	--	--	10	139	2.81
	ug/L	05/10/18	--	--	10	132	ND
	ug/L	11/16/18	1.4	10	--	116	ND
	ug/L	05/15/19	14	100	--	91.9	1.49
	ug/L	11/11/19	7.0	50	--	101	ND
ug/L	05/19/20	7.0	50	--	80.0	ND	
ug/L	11/11/20	7.0	50	--	84.2	ND	
ug/L	05/18/21	7.0	50	--	102	ND	
ug/L	11/08/21	7.0	50	--	62.1	ND	
ug/L	05/10/22	7.0	50	--	86.9	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Copper	ug/L	05/23/07	--	--	10	ND	ND
	ug/L	11/15/07	--	--	10	ND	ND
	ug/L	05/28/08	--	--	10	91.0	ND
	ug/L	11/20/08	--	--	10	ND	ND
	ug/L	05/28/09	--	--	10	ND	1.47
	ug/L	11/12/09	--	--	10	4.06	ND
	ug/L	05/27/10	--	--	10	13.1	ND
	ug/L	11/15/10	--	--	10	ND	ND
	ug/L	05/12/11	--	--	10	2.81	ND
	ug/L	11/17/11	--	--	10	ND	ND
	ug/L	05/10/12	--	--	10	9.97	ND
	ug/L	11/09/12	--	--	10	ND	ND
	ug/L	05/15/13	--	--	10	ND	ND
	ug/L	11/13/13	--	--	10	31.9	ND
	ug/L	05/14/14	--	--	10	212	ND
	ug/L	11/19/14	--	--	10	99.5	ND
	ug/L	05/12/15	--	--	10	4.28	ND
	ug/L	11/12/15	--	--	10	14.0	ND
	ug/L	05/13/16	--	--	10	18.3	2.90
	ug/L	11/09/16	--	--	10	46.5	3.34
	ug/L	05/10/17	--	--	10	87.2	2.45
	ug/L	11/06/17	--	--	10	29.6	2.81
	ug/L	05/10/18	--	--	10	340	2.32
ug/L	11/16/18	1.6	10	--	694	ND	
ug/L	05/15/19	16	100	--	688	ND	
ug/L	11/11/19	8.0	50	--	310	ND	
ug/L	05/19/20	8.0	50	--	157	ND	
ug/L	11/11/20	8.0	50	--	164	ND	
ug/L	05/18/21	8.0	50	--	241	ND	
ug/L	11/08/21	8.0	50	--	1670	ND	
ug/L	05/10/22	8.0	50	--	258	ND	
Lead	ug/L	05/23/07	--	--	10	ND	ND
	ug/L	11/15/07	--	--	10	ND	ND
	ug/L	05/29/08	--	--	10	ND	ND
	ug/L	11/20/08	--	--	10	ND	ND
	ug/L	05/28/09	--	--	10	16.0	ND
	ug/L	11/12/09	--	--	10	ND	ND
	ug/L	05/27/10	--	--	10	4.07	ND
	ug/L	11/15/10	--	--	10	3.24	ND
	ug/L	05/12/11	--	--	10	5.44	ND
	ug/L	11/17/11	--	--	10	ND	ND
	ug/L	05/10/12	--	--	10	15.9	ND
	ug/L	11/09/12	--	--	10	17.2	2.36
	ug/L	05/15/13	--	--	10	ND	ND
	ug/L	11/13/13	--	--	10	ND	ND
	ug/L	05/14/14	--	--	10	14.3	ND
	ug/L	11/19/14	--	--	10	10.9	ND
	ug/L	05/12/15	--	--	10	6.87	ND
	ug/L	11/12/15	--	--	10	14.3	ND
	ug/L	05/13/16	--	--	10	ND	ND
	ug/L	11/09/16	--	--	10	62.3	ND
	ug/L	05/10/17	--	--	10	11.8	ND
	ug/L	11/06/17	--	--	10	19.0	ND
	ug/L	05/10/18	--	--	10	92.8	ND
ug/L	11/16/18	3.1	10	--	ND	ND	
ug/L	05/15/19	31	100	--	ND	ND	
ug/L	11/11/19	16	50	--	19.0	ND	
ug/L	05/19/20	16	50	--	18.0	ND	
ug/L	11/11/20	16	50	--	16.3	ND	
ug/L	05/18/21	16	50	--	ND	ND	
ug/L	11/08/21	16	50	--	ND	ND	
ug/L	05/10/22	16	50	--	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Nickel	ug/L	05/24/06	--	--	50	150	ND
	ug/L	05/23/07	--	--	50	158	ND
	ug/L	11/15/07	--	--	50	235	ND
	ug/L	05/28/08	--	--	50	255	ND
	ug/L	11/20/08	--	--	50	267	3.2 J
	ug/L	05/28/09	--	--	50	252	1.7 J
	ug/L	11/12/09	--	--	50	125	ND
	ug/L	05/27/10	--	--	50	203	ND
	ug/L	11/15/10	--	--	50	126	ND
	ug/L	05/12/11	--	--	50	172	ND
	ug/L	11/17/11	--	--	50	196	ND
	ug/L	05/10/12	--	--	50	300	ND
	ug/L	11/09/12	--	--	50	216	ND
	ug/L	05/15/13	--	--	50	318	ND
	ug/L	11/13/13	--	--	50	299	ND
	ug/L	05/14/14	--	--	50	268	ND
	ug/L	11/19/14	--	--	50	323	ND
	ug/L	05/12/15	--	--	50	270	1.89 J
	ug/L	11/12/15	--	--	50	289	ND
	ug/L	05/13/16	--	--	50	409	ND
	ug/L	11/09/16	--	--	50	294	ND
	ug/L	05/10/17	--	--	50	261	ND
	ug/L	11/06/17	--	--	50	240	2.23 J
	ug/L	05/10/18	--	--	50	269	ND
	ug/L	11/16/18	2.2	10	--	242	ND
	ug/L	05/15/19	22	100	--	203	ND
ug/L	11/11/19	11	50	--	279	ND	
ug/L	05/19/20	11	50	--	242	ND	
ug/L	11/11/20	11	50	--	255	ND	
ug/L	05/18/21	11	50	--	303	ND	
ug/L	11/08/21	11	50	--	214	ND	
ug/L	05/10/22	11	50	--	298	ND	
Selenium	ug/L	11/27/06	--	--	20	178	ND
	ug/L	05/23/07	--	--	10	ND	ND
	ug/L	11/15/07	--	--	10	12.7	3.1 J
	ug/L	05/28/08	--	--	10	21.0	2.1 J
	ug/L	11/20/08	--	--	10	ND	ND
	ug/L	05/28/09	--	--	10	ND	ND
	ug/L	11/12/09	--	--	10	6.63	ND
	ug/L	05/27/10	--	--	10	3.49	ND
	ug/L	11/15/10	--	--	10	11.3	ND
	ug/L	05/12/11	--	--	10	ND	ND
	ug/L	11/17/11	--	--	10	ND	ND
	ug/L	05/10/12	--	--	10	15.9	ND
	ug/L	11/09/12	--	--	10	ND	ND
	ug/L	05/15/13	--	--	10	ND	ND
	ug/L	11/13/13	--	--	10	ND	ND
	ug/L	05/14/14	--	--	10	ND	ND
	ug/L	11/19/14	--	--	10	ND	ND
	ug/L	05/12/15	--	--	10	ND	ND
	ug/L	11/12/15	--	--	10	ND	ND
	ug/L	05/13/16	--	--	10	ND	ND
	ug/L	11/09/16	--	--	10	ND	ND
	ug/L	05/10/17	--	--	10	ND	ND
	ug/L	11/06/17	--	--	10	ND	ND
	ug/L	05/10/18	--	--	10	ND	ND
	ug/L	11/16/18	6.2	10	--	ND	ND
	ug/L	05/15/19	62	100	--	ND	ND
ug/L	11/11/19	31	50	--	ND	ND	
ug/L	05/19/20	31	50	--	ND	ND	
ug/L	11/11/20	31	50	--	ND	ND	
ug/L	05/18/21	31	50	--	ND	ND	
ug/L	11/08/21	31	50	--	ND	ND	
ug/L	05/10/22	31	50	--	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Silver	ug/L	05/23/07	--	--	10	ND	ND
	ug/L	11/15/07	--	--	10	ND	ND
	ug/L	05/28/08	--	--	10	28.0	2.9
	ug/L	11/20/08	--	--	10	ND	ND
	ug/L	05/28/09	--	--	10	18.1	ND
	ug/L	11/12/09	--	--	10	ND	ND
	ug/L	05/27/10	--	--	10	ND	ND
	ug/L	11/15/10	--	--	10	ND	ND
	ug/L	05/12/11	--	--	10	2.86	ND
	ug/L	11/17/11	--	--	10	ND	ND
	ug/L	05/10/12	--	--	10	ND	ND
	ug/L	11/09/12	--	--	10	ND	ND
	ug/L	05/15/13	--	--	10	ND	ND
	ug/L	11/13/13	--	--	10	ND	ND
	ug/L	05/14/14	--	--	10	ND	ND
	ug/L	11/19/14	--	--	10	ND	ND
	ug/L	05/12/15	--	--	10	ND	ND
	ug/L	11/12/15	--	--	10	ND	ND
	ug/L	05/13/16	--	--	10	12.3	ND
	ug/L	11/09/16	--	--	10	ND	ND
	ug/L	05/10/17	--	--	10	ND	ND
	ug/L	11/06/17	--	--	10	3.69	ND
ug/L	05/10/18	--	--	10	ND	ND	
ug/L	11/16/18	1.9	10	--	ND	ND	
ug/L	05/15/19	19	100	--	ND	ND	
ug/L	11/11/19	9.5	50	--	ND	ND	
ug/L	05/19/20	9.5	50	--	ND	ND	
ug/L	11/11/20	9.5	50	--	ND	ND	
ug/L	05/18/21	9.5	50	--	ND	ND	
ug/L	11/08/21	9.5	50	--	ND	ND	
ug/L	05/10/22	9.5	50	--	ND	ND	
Thallium	ug/L	05/23/07	--	--	5.5	ND	ND
	ug/L	11/15/07	--	--	5.5	ND	ND
	ug/L	05/29/08	--	--	5.5	ND	ND
	ug/L	11/20/08	--	--	5.5	ND	ND
	ug/L	05/28/09	--	--	5.5	ND	ND
	ug/L	11/12/09	--	--	5.5	ND	ND
	ug/L	05/27/10	--	--	5.5	ND	ND
	ug/L	11/15/10	--	--	5.5	ND	ND
	ug/L	05/12/11	--	--	5.5	7.80	ND
	ug/L	11/17/11	--	--	5.5	1.52	ND
	ug/L	05/10/12	--	--	5.5	ND	ND
	ug/L	11/09/12	--	--	5.5	ND	ND
	ug/L	05/15/13	--	--	5.5	ND	ND
	ug/L	11/13/13	--	--	5.5	ND	ND
	ug/L	05/14/14	--	--	5.5	ND	ND
	ug/L	11/19/14	--	--	5.5	ND	ND
	ug/L	05/12/15	--	--	5.5	ND	ND
	ug/L	11/12/15	--	--	5.5	ND	ND
	ug/L	05/13/16	--	--	5.5	ND	ND
	ug/L	11/09/16	--	--	5.5	ND	ND
	ug/L	05/10/17	--	--	5.5	ND	ND
	ug/L	11/06/17	--	--	5.5	ND	ND
ug/L	05/10/18	--	--	5.5	ND	ND	
ug/L	11/16/18	0.55	5.0	--	ND	ND	
ug/L	05/15/19	1.1	10	--	ND	ND	
ug/L	11/11/19	2.2	20	--	ND	ND	
ug/L	05/19/20	2.2	20	--	ND	ND	
ug/L	11/11/20	2.2	20	--	ND	ND	
ug/L	05/18/21	1.1	10	--	ND	ND	
ug/L	11/08/21	1.1	10	--	ND	ND	
ug/L	05/10/22	1.1	10	--	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Vanadium	ug/L	05/24/06	--	--	40	54	ND
	ug/L	11/27/06	--	--	50	237	ND
	ug/L	05/23/07	--	--	25	54.5	ND
	ug/L	11/15/07	--	--	25	16.0	ND
	ug/L	05/28/08	--	--	25	42.0	1.2
	ug/L	11/20/08	--	--	25	35.0	ND
	ug/L	05/28/09	--	--	25	88.8	ND
	ug/L	11/12/09	--	--	25	69.5	ND
	ug/L	05/27/10	--	--	25	65.9	ND
	ug/L	11/15/10	--	--	25	63.2	ND
	ug/L	05/12/11	--	--	25	49.5	ND
	ug/L	11/17/11	--	--	25	73.1	ND
	ug/L	05/10/12	--	--	25	115	ND
	ug/L	11/09/12	--	--	25	83.4	ND
	ug/L	05/15/13	--	--	25	127	ND
	ug/L	11/13/13	--	--	25	122	ND
	ug/L	05/14/14	--	--	25	105	ND
	ug/L	11/19/14	--	--	25	119	ND
	ug/L	05/12/15	--	--	25	123	ND
	ug/L	11/12/15	--	--	25	125	ND
	ug/L	05/13/16	--	--	25	198	ND
	ug/L	11/09/16	--	--	25	102	ND
	ug/L	05/10/17	--	--	25	134	ND
ug/L	11/06/17	--	--	25	101	ND	
ug/L	05/10/18	--	--	25	126	ND	
ug/L	11/16/18	1.4	10	--	130	ND	
ug/L	05/15/19	14	100	--	106	ND	
ug/L	11/11/19	7.0	50	--	168	ND	
ug/L	05/19/20	7.0	50	--	171	ND	
ug/L	11/11/20	7.0	50	--	156	ND	
ug/L	05/18/21	7.0	50	--	237	ND	
ug/L	11/08/21	7.0	50	--	189	ND	
ug/L	05/10/22	7.0	50	--	383	ND	
Zinc	ug/L	05/24/06	--	--	50	409	ND
	ug/L	05/23/07	--	--	10	373	ND
	ug/L	11/15/07	--	--	10	705	ND
	ug/L	05/28/08	--	--	10	678	1.8
	ug/L	11/20/08	--	--	10	423	4.6
	ug/L	05/28/09	--	--	10	354	ND
	ug/L	11/12/09	--	--	10	270	ND
	ug/L	05/27/10	--	--	10	225	ND
	ug/L	11/15/10	--	--	10	383	ND
	ug/L	05/12/11	--	--	10	178	ND
	ug/L	11/17/11	--	--	10	228	ND
	ug/L	05/10/12	--	--	10	520	ND
	ug/L	11/09/12	--	--	10	204	ND
	ug/L	05/15/13	--	--	10	181	ND
	ug/L	11/13/13	--	--	10	219	ND
	ug/L	05/14/14	--	--	10	423	ND
	ug/L	11/19/14	--	--	10	232	ND
	ug/L	05/12/15	--	--	10	215	ND
	ug/L	11/12/15	--	--	10	160	ND
	ug/L	05/13/16	--	--	10	387	ND
	ug/L	11/09/16	--	--	10	956	ND
	ug/L	05/10/17	--	--	10	550	ND
	ug/L	11/06/17	--	--	10	660	ND
ug/L	05/10/18	--	--	10	901	ND	
ug/L	11/16/18	4.4	10	--	442	ND	
ug/L	05/15/19	44	100	--	367	ND	
ug/L	11/11/19	22	50	--	831	ND	
ug/L	05/19/20	22	50	--	488	ND	
ug/L	11/11/20	22	50	--	868	ND	
ug/L	05/18/21	22	50	--	1660	ND	
ug/L	11/08/21	22	50	--	1300	ND	
ug/L	05/10/22	22	50	--	467	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Acetone	ug/L	05/24/06	--	--	100	1610	ND
	ug/L	11/27/06	--	--	100	5300	ND
	ug/L	05/23/07	--	--	100	11000	6.6 J
	ug/L	11/15/07	--	--	100	33	ND
	ug/L	05/28/08	--	--	100	1600	2.9 J
	ug/L	11/20/08	--	--	100	1500	9.8
	ug/L	05/28/09	--	--	100	5200	ND
	ug/L	11/12/09	--	--	100	1000	ND
	ug/L	05/27/10	--	--	100	ND	ND
	ug/L	11/15/10	--	--	100	5900	ND
	ug/L	05/12/11	--	--	100	ND	ND
	ug/L	11/17/11	--	--	100	3100	ND
	ug/L	05/10/12	--	--	100	93	ND
	ug/L	11/09/12	--	--	100	44	ND
	ug/L	05/15/13	--	--	100	ND	ND
	ug/L	11/13/13	--	--	100	2700	ND
	ug/L	05/14/14	--	--	100	1400	ND
	ug/L	11/19/14	--	--	100	ND	ND
	ug/L	05/12/15	--	--	100	2100	ND
	ug/L	11/12/15	--	--	100	24	ND
	ug/L	05/13/16	--	--	100	13000	ND
	ug/L	11/09/16	--	--	100	14000	ND
	ug/L	05/10/17	--	--	100	11000	ND
	ug/L	11/06/17	--	--	100	7500	ND
	ug/L	05/10/18	--	--	100	3400	ND
	ug/L	11/16/18	10	20	--	4500	ND
ug/L	05/15/19	200	400	--	4500	ND	
ug/L	11/11/19	200	400	--	2400	ND	
ug/L	05/19/20	100	200	--	2900	ND	
ug/L	11/11/20	100	200	--	2600	ND	
ug/L	05/18/21	500	1000	--	8900	ND	
ug/L	11/08/21	1000	2000	--	5800	27	
ug/L	05/10/22	500	1000	--	11000	ND	
Benzene	ug/L	11/27/06	--	--	5	10.6	ND
	ug/L	05/23/07	--	--	1	ND	ND
	ug/L	11/15/07	--	--	1	ND	ND
	ug/L	05/28/08	--	--	1	ND	ND
	ug/L	11/20/08	--	--	1	4.6	ND
	ug/L	05/28/09	--	--	1	ND	ND
	ug/L	11/12/09	--	--	1	ND	ND
	ug/L	05/27/10	--	--	1	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND
	ug/L	05/12/11	--	--	1	ND	ND
	ug/L	11/17/11	--	--	1	ND	ND
	ug/L	05/10/12	--	--	1	2.2	ND
	ug/L	11/09/12	--	--	1	ND	ND
	ug/L	05/15/13	--	--	1	6.2	ND
	ug/L	11/13/13	--	--	1	ND	ND
	ug/L	05/14/14	--	--	1	ND	ND
	ug/L	11/19/14	--	--	1	ND	ND
	ug/L	05/12/15	--	--	1	ND	ND
	ug/L	11/12/15	--	--	1	4.9	ND
	ug/L	05/13/16	--	--	1	ND	ND
	ug/L	11/09/16	--	--	1	ND	ND
	ug/L	05/10/17	--	--	1	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND
	ug/L	05/10/18	--	--	1	ND	ND
	ug/L	11/16/18	0.15	1.0	--	ND	ND
	ug/L	05/15/19	3.0	20	--	ND	ND
ug/L	11/11/19	3.0	20	--	ND	ND	
ug/L	05/19/20	1.5	10	--	3.9	ND	
ug/L	11/11/20	1.5	10	--	ND	ND	
ug/L	05/18/21	1.5	10	--	ND	ND	
ug/L	11/08/21	1.5	10	--	ND	ND	
ug/L	05/10/22	7.5	50	--	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
1,4-Dichlorobenzene	ug/L	05/23/07	--	--	1	ND	ND
	ug/L	11/15/07	--	--	1	ND	ND
	ug/L	05/29/08	--	--	1	ND	ND
	ug/L	11/20/08	--	--	1	5.5	ND
	ug/L	05/28/09	--	--	1	ND	ND
	ug/L	11/12/09	--	--	1	ND	ND
	ug/L	05/27/10	--	--	1	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND
	ug/L	05/12/11	--	--	1	ND	ND
	ug/L	11/17/11	--	--	1	9.7	ND
	ug/L	05/10/12	--	--	1	4.3	ND
	ug/L	11/09/12	--	--	1	3.6	ND
	ug/L	05/15/13	--	--	1	ND	ND
	ug/L	11/13/13	--	--	1	ND	ND
	ug/L	05/14/14	--	--	1	ND	ND
	ug/L	11/19/14	--	--	1	ND	ND
	ug/L	05/12/15	--	--	1	4.2	ND
	ug/L	11/12/15	--	--	1	7.5	ND
	ug/L	05/13/16	--	--	1	ND	ND
	ug/L	11/09/16	--	--	1	ND	ND
	ug/L	05/10/17	--	--	1	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND
	ug/L	05/10/18	--	--	1	ND	ND
	ug/L	11/16/18	--	0.19	1.0	--	ND
ug/L	05/15/19	--	3.8	20	--	ND	ND
ug/L	11/11/19	--	3.8	20	--	ND	ND
ug/L	05/19/20	--	1.9	10	--	6.1	ND
ug/L	11/11/20	--	1.9	10	--	4.4	ND
ug/L	05/18/21	--	1.9	10	--	ND	ND
ug/L	11/08/21	--	1.9	10	--	ND	ND
ug/L	05/10/22	--	9.5	50	--	ND	ND
1,2-Dichloroethane	ug/L	11/27/06	--	--	5	6.6	ND
	ug/L	05/23/07	--	--	1	ND	ND
	ug/L	11/15/07	--	--	1	ND	ND
	ug/L	05/28/08	--	--	1	ND	ND
	ug/L	11/20/08	--	--	1	ND	ND
	ug/L	05/28/09	--	--	1	ND	ND
	ug/L	11/12/09	--	--	1	ND	ND
	ug/L	05/27/10	--	--	1	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND
	ug/L	05/12/11	--	--	1	ND	ND
	ug/L	11/17/11	--	--	1	ND	ND
	ug/L	05/10/12	--	--	1	ND	ND
	ug/L	11/09/12	--	--	1	ND	ND
	ug/L	05/15/13	--	--	1	ND	ND
	ug/L	11/13/13	--	--	1	ND	ND
	ug/L	05/14/14	--	--	1	ND	ND
	ug/L	11/19/14	--	--	1	ND	ND
	ug/L	05/12/15	--	--	1	9.7	ND
	ug/L	11/12/15	--	--	1	ND	ND
	ug/L	05/13/16	--	--	1	ND	ND
	ug/L	11/09/16	--	--	1	ND	ND
	ug/L	05/10/17	--	--	1	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND
	ug/L	05/10/18	--	--	1	ND	ND
ug/L	11/16/18	--	0.21	1.0	--	ND	ND
ug/L	05/15/19	--	4.2	20	--	ND	ND
ug/L	11/11/19	--	4.2	20	--	ND	ND
ug/L	05/19/20	--	2.1	10	--	ND	ND
ug/L	11/11/20	--	2.1	10	--	ND	ND
ug/L	05/18/21	--	2.1	10	--	ND	ND
ug/L	11/08/21	--	2.1	10	--	ND	ND
ug/L	05/10/22	--	10	50	--	ND	ND

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks	
cis-1,2-Dichloroethene	ug/L	11/27/06	--	--	5	5.4	ND	
	ug/L	05/23/07	--	--	5	ND	ND	
	ug/L	11/15/07	--	--	5	ND	ND	
	ug/L	05/28/08	--	--	5	ND	ND	
	ug/L	11/20/08	--	--	5	ND	ND	
	ug/L	05/28/09	--	--	5	ND	ND	
	ug/L	11/12/09	--	--	5	ND	ND	
	ug/L	05/27/10	--	--	5	ND	ND	
	ug/L	11/15/10	--	--	5	ND	ND	
	ug/L	05/12/11	--	--	5	ND	ND	
	ug/L	11/17/11	--	--	5	ND	ND	
	ug/L	05/10/12	--	--	5	ND	ND	
	ug/L	11/09/12	--	--	5	ND	ND	
	ug/L	05/15/13	--	--	5	ND	ND	
	ug/L	11/13/13	--	--	5	ND	ND	
	ug/L	05/14/14	--	--	5	ND	ND	
	ug/L	11/19/14	--	--	5	ND	ND	
	ug/L	05/12/15	--	--	5	ND	ND	
	ug/L	11/12/15	--	--	5	4.8	J	ND
	ug/L	05/13/16	--	--	5	ND	ND	ND
	ug/L	11/09/16	--	--	5	ND	ND	ND
	ug/L	05/10/17	--	--	5	ND	ND	ND
	ug/L	11/06/17	--	--	5	ND	ND	ND
	ug/L	05/10/18	--	--	5	ND	ND	ND
	ug/L	11/16/18	--	0.15	1.0	--	ND	ND
	ug/L	05/15/19	--	3.0	20	--	ND	ND
ug/L	11/11/19	--	3.0	20	--	ND	ND	
ug/L	05/19/20	--	1.5	10	--	2.6	J	ND
ug/L	11/11/20	--	1.5	10	--	ND	ND	ND
ug/L	05/18/21	--	1.5	10	--	ND	ND	ND
ug/L	11/08/21	--	1.5	10	--	ND	ND	ND
ug/L	05/10/22	--	7.5	50	--	ND	ND	ND
Ethylbenzene	ug/L	05/24/06	--	--	5	6.1	ND	ND
	ug/L	11/27/06	--	--	5	18.4	ND	ND
	ug/L	05/23/07	--	--	1	ND	ND	ND
	ug/L	11/15/07	--	--	1	ND	ND	ND
	ug/L	05/28/08	--	--	1	ND	ND	ND
	ug/L	11/20/08	--	--	1	12	ND	ND
	ug/L	05/28/09	--	--	1	ND	ND	ND
	ug/L	11/12/09	--	--	1	8.6	J	ND
	ug/L	05/27/10	--	--	1	ND	J	ND
	ug/L	11/15/10	--	--	1	22	J	ND
	ug/L	05/12/11	--	--	1	ND	ND	ND
	ug/L	11/17/11	--	--	1	13	ND	ND
	ug/L	05/10/12	--	--	1	7.3	ND	ND
	ug/L	11/09/12	--	--	1	5.2	ND	ND
	ug/L	05/15/13	--	--	1	7.2	ND	ND
	ug/L	11/13/13	--	--	1	ND	ND	ND
	ug/L	05/14/14	--	--	1	4.0	J	ND
	ug/L	11/19/14	--	--	1	ND	ND	ND
	ug/L	05/12/15	--	--	1	ND	ND	ND
	ug/L	11/12/15	--	--	1	16	ND	ND
	ug/L	05/13/16	--	--	1	ND	ND	ND
	ug/L	11/09/16	--	--	1	ND	ND	ND
	ug/L	05/10/17	--	--	1	ND	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND	ND
	ug/L	05/10/18	--	--	1	ND	ND	ND
	ug/L	11/16/18	--	0.13	1.0	--	ND	ND
ug/L	05/15/19	--	2.6	20	--	8.8	J	ND
ug/L	11/11/19	--	2.6	20	--	11	J	ND
ug/L	05/19/20	--	1.3	10	--	10	J	ND
ug/L	11/11/20	--	1.3	10	--	9.3	J	ND
ug/L	05/18/21	--	1.3	10	--	9.4	J	ND
ug/L	11/08/21	--	1.3	10	--	8.0	J	ND
ug/L	05/10/22	--	6.5	50	--	ND	ND	ND

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks	
2-Hexanone	ug/L	05/23/07	--	--	50	ND	ND	
	ug/L	11/15/07	--	--	50	ND	ND	
	ug/L	05/29/08	--	--	50	ND	ND	
	ug/L	11/20/08	--	--	50	ND	ND	
	ug/L	05/28/09	--	--	50	ND	ND	
	ug/L	11/12/09	--	--	50	ND	ND	
	ug/L	05/27/10	--	--	50	ND	ND	
	ug/L	11/15/10	--	--	50	ND	ND	
	ug/L	05/12/11	--	--	50	ND	ND	
	ug/L	11/17/11	--	--	50	ND	ND	
	ug/L	05/10/12	--	--	50	6.7	J	ND
	ug/L	11/09/12	--	--	50	ND	ND	ND
	ug/L	05/15/13	--	--	50	ND	ND	ND
	ug/L	11/13/13	--	--	50	ND	ND	ND
	ug/L	05/14/14	--	--	50	ND	ND	ND
	ug/L	11/19/14	--	--	50	ND	ND	ND
	ug/L	05/12/15	--	--	50	ND	ND	ND
	ug/L	11/12/15	--	--	50	26	J	ND
	ug/L	05/13/16	--	--	50	ND	ND	ND
	ug/L	11/09/16	--	--	50	ND	ND	ND
	ug/L	05/10/17	--	--	50	ND	ND	ND
	ug/L	11/06/17	--	--	50	ND	ND	ND
	ug/L	05/10/18	--	--	50	ND	ND	ND
	ug/L	11/16/18	0.88	5.0	--	ND	ND	ND
ug/L	05/15/19	18	100	--	ND	ND	ND	
ug/L	11/11/19	18	100	--	ND	ND	ND	
ug/L	05/19/20	8.8	50	--	ND	ND	ND	
ug/L	11/11/20	8.8	50	--	ND	ND	ND	
ug/L	05/18/21	8.8	50	--	16	J	ND	
ug/L	11/08/21	8.8	50	--	ND	ND	ND	
ug/L	05/10/22	44	250	--	ND	ND	ND	
2-Butanone	ug/L	05/24/06	--	--	100	2100	ND	
	ug/L	11/27/06	--	--	100	8590	ND	
	ug/L	05/23/07	--	--	100	13000	ND	
	ug/L	11/15/07	--	--	100	ND	ND	
	ug/L	05/28/08	--	--	100	1500	ND	
	ug/L	11/20/08	--	--	100	2500	ND	
	ug/L	05/28/09	--	--	100	8300	ND	
	ug/L	11/12/09	--	--	100	800	ND	
	ug/L	05/27/10	--	--	100	ND	ND	
	ug/L	11/15/10	--	--	100	11000	ND	
	ug/L	05/12/11	--	--	100	ND	ND	
	ug/L	11/17/11	--	--	100	3200	ND	
	ug/L	05/10/12	--	--	100	ND	ND	
	ug/L	11/09/12	--	--	100	ND	ND	
	ug/L	05/15/13	--	--	100	48	J	ND
	ug/L	11/13/13	--	--	100	2700	ND	
	ug/L	05/14/14	--	--	100	1300	ND	
	ug/L	11/19/14	--	--	100	ND	ND	
	ug/L	05/12/15	--	--	100	3100	J	ND
	ug/L	11/12/15	--	--	100	78	ND	
	ug/L	05/13/16	--	--	100	8800	ND	
	ug/L	11/09/16	--	--	100	19000	ND	
	ug/L	05/10/17	--	--	100	11000	ND	
	ug/L	11/06/17	--	--	100	8300	ND	
ug/L	05/10/18	--	--	100	2700	ND		
ug/L	11/16/18	1.3	5.0	--	3800	ND		
ug/L	05/15/19	26	100	--	3100	ND		
ug/L	11/11/19	26	100	--	1900	ND		
ug/L	05/19/20	13	50	--	2400	ND		
ug/L	11/11/20	13	50	--	1800	ND		
ug/L	05/18/21	65	250	--	8500	ND		
ug/L	11/08/21	130	500	--	3200	ND		
ug/L	05/10/22	65	250	--	6200	6.9		

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
4-Methyl-2-pentanone	ug/L	11/27/06	--	--	100	121	ND
	ug/L	05/23/07	--	--	100	150	ND
	ug/L	11/15/07	--	--	100	ND	ND
	ug/L	05/28/08	--	--	100	ND	ND
	ug/L	11/20/08	--	--	100	50	J ND
	ug/L	05/28/09	--	--	100	ND	ND
	ug/L	11/12/09	--	--	100	ND	ND
	ug/L	05/27/10	--	--	100	ND	ND
	ug/L	11/15/10	--	--	100	99	J ND
	ug/L	05/12/11	--	--	100	ND	ND
	ug/L	11/17/11	--	--	100	30	J ND
	ug/L	05/10/12	--	--	100	42	J ND
	ug/L	11/09/12	--	--	100	23	J ND
	ug/L	05/15/13	--	--	100	56	J ND
	ug/L	11/13/13	--	--	100	29	J ND
	ug/L	05/14/14	--	--	100	31	J ND
	ug/L	11/19/14	--	--	100	ND	ND
	ug/L	05/12/15	--	--	100	62	J ND
	ug/L	11/12/15	--	--	100	150	ND
	ug/L	05/13/16	--	--	100	88	J ND
	ug/L	11/09/16	--	--	100	140	J ND
	ug/L	05/10/17	--	--	100	ND	ND
	ug/L	11/06/17	--	--	100	82	J ND
ug/L	05/10/18	--	--	100	41	J ND	
ug/L	11/16/18	--	1.1	5.0	--	ND	ND
ug/L	05/15/19	--	22	100	--	46	J ND
ug/L	11/11/19	--	22	100	--	28	J ND
ug/L	05/19/20	--	11	50	--	35	J ND
ug/L	11/11/20	--	11	50	--	33	J ND
ug/L	05/18/21	--	11	50	--	54	ND
ug/L	11/08/21	--	11	50	--	54	ND
ug/L	05/10/22	--	55	250	--	ND	ND
Toluene	ug/L	11/27/06	--	--	5	95.4	ND
	ug/L	05/23/07	--	--	1	20	ND
	ug/L	11/15/07	--	--	1	ND	ND
	ug/L	05/28/08	--	--	1	ND	ND
	ug/L	11/20/08	--	--	1	19	ND
	ug/L	05/28/09	--	--	1	27	J ND
	ug/L	11/12/09	--	--	1	12	J ND
	ug/L	05/27/10	--	--	1	ND	ND
	ug/L	11/15/10	--	--	1	46	J ND
	ug/L	05/12/11	--	--	1	ND	ND
	ug/L	11/17/11	--	--	1	16	ND
	ug/L	05/10/12	--	--	1	12	ND
	ug/L	11/09/12	--	--	1	13	ND
	ug/L	05/15/13	--	--	1	14	ND
	ug/L	11/13/13	--	--	1	11	J ND
	ug/L	05/14/14	--	--	1	6.6	J ND
	ug/L	11/19/14	--	--	1	6.3	J ND
	ug/L	05/12/15	--	--	1	17	ND
	ug/L	11/12/15	--	--	1	32	ND
	ug/L	05/13/16	--	--	1	ND	ND
	ug/L	11/09/16	--	--	1	26	J ND
	ug/L	05/10/17	--	--	1	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND
ug/L	05/10/18	--	--	1	ND	ND	
ug/L	11/16/18	--	0.14	1.0	--	ND	ND
ug/L	05/15/19	--	2.8	20	--	16	J ND
ug/L	11/11/19	--	2.8	20	--	21	ND
ug/L	05/19/20	--	1.4	10	--	32	ND
ug/L	11/11/20	--	1.4	10	--	30	ND
ug/L	05/18/21	--	1.4	10	--	24	ND
ug/L	11/08/21	--	1.4	10	--	23	ND
ug/L	05/10/22	--	7.0	50	--	28	J ND

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Trichloroethene	ug/L	05/23/07	--	--	1	ND	ND
	ug/L	11/15/07	--	--	1	9.6	ND
	ug/L	05/28/08	--	--	1	ND	ND
	ug/L	11/20/08	--	--	1	ND	ND
	ug/L	05/28/09	--	--	1	ND	ND
	ug/L	11/12/09	--	--	1	ND	ND
	ug/L	05/27/10	--	--	1	ND	ND
	ug/L	11/15/10	--	--	1	ND	ND
	ug/L	05/12/11	--	--	1	ND	ND
	ug/L	11/17/11	--	--	1	ND	ND
	ug/L	05/10/12	--	--	1	ND	ND
	ug/L	11/09/12	--	--	1	ND	ND
	ug/L	05/15/13	--	--	1	ND	ND
	ug/L	11/13/13	--	--	1	ND	ND
	ug/L	05/14/14	--	--	1	ND	ND
	ug/L	11/19/14	--	--	1	ND	ND
	ug/L	05/12/15	--	--	1	ND	ND
	ug/L	11/12/15	--	--	1	ND	ND
	ug/L	05/13/16	--	--	1	ND	ND
	ug/L	11/09/16	--	--	1	ND	ND
	ug/L	05/10/17	--	--	1	ND	ND
	ug/L	11/06/17	--	--	1	ND	ND
	ug/L	05/10/18	--	--	1	ND	ND
	ug/L	11/16/18	0.15	1.0	--	ND	ND
	ug/L	05/15/19	3.0	20	--	ND	ND
	ug/L	11/11/19	3.0	20	--	ND	ND
ug/L	05/19/20	1.5	10	--	ND	ND	
ug/L	11/11/20	1.5	10	--	ND	ND	
ug/L	05/18/21	1.5	10	--	ND	ND	
ug/L	11/08/21	1.5	10	--	ND	ND	
ug/L	05/10/22	7.5	50	--	ND	ND	
Xylenes (Total)	ug/L	05/24/06	--	--	5	8.9	ND
	ug/L	11/27/06	--	--	5	38.7	ND
	ug/L	05/23/07	--	--	4	ND	ND
	ug/L	11/15/07	--	--	5	ND	ND
	ug/L	05/28/08	--	--	5	ND	ND
	ug/L	11/20/08	--	--	5	26	ND
	ug/L	05/28/09	--	--	5	22	J ND
	ug/L	11/12/09	--	--	5	12	J ND
	ug/L	05/27/10	--	--	5	ND	ND
	ug/L	11/15/10	--	--	5	28	J ND
	ug/L	05/12/11	--	--	5	ND	ND
	ug/L	11/17/11	--	--	5	32	ND
	ug/L	05/10/12	--	--	5	18	ND
	ug/L	11/09/12	--	--	5	12	J ND
	ug/L	05/15/13	--	--	5	15	ND
	ug/L	11/13/13	--	--	5	ND	ND
	ug/L	05/14/14	--	--	5	5.7	J ND
	ug/L	11/19/14	--	--	5	4.6	J ND
	ug/L	05/12/15	--	--	5	ND	ND
	ug/L	11/12/15	--	--	5	33	ND
	ug/L	05/13/16	--	--	5	ND	ND
	ug/L	11/09/16	--	--	5	ND	ND
	ug/L	05/10/17	--	--	5	ND	ND
	ug/L	11/06/17	--	--	5	ND	ND
	ug/L	05/10/18	--	--	5	ND	ND
	ug/L	11/16/18	0.15	3.0	--	ND	ND
ug/L	05/15/19	9.0	60	--	9.4	J ND	
ug/L	11/11/19	9.0	60	--	11	J ND	
ug/L	05/19/20	4.5	30	--	24	J ND	
ug/L	11/11/20	4.5	30	--	20	J ND	
ug/L	05/18/21	22	150	--	ND	ND	
ug/L	11/08/21	4.5	30	--	17	J ND	
ug/L	05/10/22	22	150	--	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks	
Nitrate as N	mg/L	05/24/06	--	--	--	0.14	ND	
	mg/L	11/27/06	--	--	--	0.18	ND	
	mg/L	05/23/07	--	--	--	0.51	ND	
	mg/L	11/15/07	--	--	10	ND	--	
	mg/L	05/28/08	--	--	10	ND	ND	
	mg/L	11/20/08	--	--	10	ND	ND	
	mg/L	05/28/09	--	--	10	ND	ND	
	mg/L	11/12/09	--	--	10	ND	--	
	mg/L	05/27/10	--	--	10	ND	ND	
	mg/L	11/15/10	--	--	10	ND	--	
	mg/L	05/12/11	--	--	10	ND	ND	
	mg/L	11/17/11	--	--	10	ND	--	
	mg/L	05/10/12	--	--	10	ND	--	
	mg/L	11/09/12	--	--	10	ND	--	
	mg/L	05/15/13	--	--	10	0.8	J	ND
	mg/L	11/13/13	--	--	10	ND	--	ND
	mg/L	05/14/14	--	--	10	ND	ND	ND
	mg/L	11/19/14	--	--	10	ND	ND	ND
	mg/L	05/12/15	--	--	10	0.18	J	ND
	mg/L	11/12/15	--	--	10	ND	ND	ND
	mg/L	05/13/16	--	--	10	0.140	J	ND
	mg/L	11/09/16	--	--	10	0.03	J	ND
	mg/L	05/10/17	--	--	10	ND	ND	ND
	mg/L	11/06/17	--	--	10	ND	ND	ND
	mg/L	05/10/18	--	--	10	ND	ND	ND
	mg/L	11/16/18	--	0.025	0.1	0.085	J	ND
	mg/L	05/15/19	--	25	100	ND	ND	ND
mg/L	11/11/19	--	0.041	0.1	0.092	J	ND	
mg/L	05/19/20	--	0.001	0.0025	0.001	J	0.0002	
mg/L	11/11/20	--	0.001	0.0025	0.002	ND	ND	
mg/L	05/18/21	--	0.041	0.1	ND	ND	ND	
mg/L	11/08/21	--	0.041	0.1	0.069	J	ND	
mg/L	05/10/22	--	0.041	0.1	ND	ND	ND	
Sulfate as SO4	mg/L	05/24/06	--	--	--	10.9	ND	
	mg/L	11/27/06	--	--	5	ND	ND	
	mg/L	05/23/07	--	--	250	140	2.5	J
	mg/L	11/15/07	--	--	250	26	J	ND
	mg/L	05/28/08	--	--	250	19	J	ND
	mg/L	11/20/08	--	--	250	5.2	J	ND
	mg/L	05/28/09	--	--	250	2.7	J	ND
	mg/L	11/12/09	--	--	250	9.5	J	ND
	mg/L	05/27/10	--	--	250	25	J	ND
	mg/L	11/15/10	--	--	250	6.6	J	ND
	mg/L	05/12/11	--	--	250	12	J	ND
	mg/L	11/17/11	--	--	250	ND	ND	ND
	mg/L	05/10/12	--	--	250	160	J	ND
	mg/L	11/09/12	--	--	250	7.6	J	ND
	mg/L	05/15/13	--	--	250	8.7	J	ND
	mg/L	11/13/13	--	--	250	4.3	J	ND
	mg/L	05/14/14	--	--	250	280	ND	ND
	mg/L	11/19/14	--	--	250	32	J	ND
	mg/L	05/12/15	--	--	250	5.9	J	ND
	mg/L	11/12/15	--	--	250	ND	ND	ND
	mg/L	05/13/16	--	--	250	69	J	ND
	mg/L	11/09/16	--	--	250	ND	ND	ND
	mg/L	05/10/17	--	--	250	ND	ND	ND
	mg/L	11/06/17	--	--	250	150	J	ND
	mg/L	05/10/18	--	--	250	ND	ND	ND
	mg/L	11/16/18	--	140	250	ND	ND	ND
	ug/L	05/15/19	--	140	250	ND	ND	ND
uh/L	11/11/19	--	140	250	ND	ND	ND	
mg/L	05/19/20	--	29	50	110	ND	ND	
mg/L	11/11/20	--	29	50	ND	ND	ND	
mg/L	05/18/21	--	58	100	880	ND	ND	
mg/L	11/08/21	--	58	100	ND	ND	ND	
mg/L	05/10/22	--	58	100	1600	ND	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Biochemical Oxygen Demand	mg/L	05/24/06	--	--	--	920	--
	mg/L	11/27/06	--	--	--	1849	--
	mg/L	05/23/07	--	--	--	2500	--
	mg/L	11/15/07	--	--	--	540	ND
	mg/L	05/28/08	--	--	--	1700	ND
	mg/L	11/20/08	--	--	--	>230	ND
	mg/L	05/28/09	--	--	--	560	ND
	mg/L	11/12/09	--	--	--	340	ND
	mg/L	05/27/10	--	--	--	ND	ND
	mg/L	11/15/10	--	--	--	> 2300	ND
	mg/L	05/12/11	--	--	--	55	ND
	mg/L	11/17/11	--	--	--	390	ND
	mg/L	05/10/12	--	--	--	240	ND
	mg/L	11/09/12	--	--	--	230	ND
	mg/L	05/15/13	--	--	--	630	ND
	mg/L	11/13/13	--	--	--	>750	ND
	mg/L	05/14/14	--	--	--	420	ND
	mg/L	11/19/14	--	--	--	290	ND
	mg/L	05/12/15	--	--	--	420	ND
	mg/L	11/12/15	--	--	--	650	ND
	mg/L	05/13/16	--	--	--	2500	ND
	mg/L	11/09/16	--	--	--	2300	ND
	mg/L	05/10/17	--	--	--	2100	ND
	mg/L	11/06/17	--	--	--	750	ND
mg/L	05/10/18	--	--	--	940	ND	
mg/L	11/16/18	2	2	--	710	ND	
mg/L	05/15/19	2	2	--	1300	ND	
mg/L	11/11/19	2	2	--	1100	ND	
mg/L	05/19/20	2	2	--	780	ND	
mg/L	11/11/20	2	2	--	140	ND	
mg/L	05/18/21	2	2	--	410	ND	
mg/L	11/08/21	2	2	--	2400	ND	
mg/L	05/10/22	2	2	--	3500	ND	
Chemical Oxygen Demand	mg/L	05/24/06	--	--	--	3901	--
	mg/L	11/27/06	--	--	--	2685	--
	mg/L	05/23/07	--	--	--	9000	--
	mg/L	11/15/07	--	--	--	4800	ND
	mg/L	05/28/08	--	--	--	4600	ND
	mg/L	11/20/08	--	--	--	4300	ND
	mg/L	05/28/09	--	--	--	5500	ND
	mg/L	11/12/09	--	--	--	5000	ND
	mg/L	05/27/10	--	--	--	2700	ND
	mg/L	11/15/10	--	--	--	6300	ND
	mg/L	05/12/11	--	--	--	2700	ND
	mg/L	11/17/11	--	--	--	4400	ND
	mg/L	05/10/12	--	--	--	5100	ND
	mg/L	11/09/12	--	--	--	3500	ND
	mg/L	05/15/13	--	--	--	5900	ND
	mg/L	11/13/13	--	--	--	5700	ND
	mg/L	05/14/14	--	--	--	5000	ND
	mg/L	11/19/14	--	--	--	5900	ND
	mg/L	05/12/15	--	--	--	5900	ND
	mg/L	11/12/15	--	--	--	5500	ND
	mg/L	05/13/16	--	--	--	10000	ND
	mg/L	11/09/16	--	--	--	7800	ND
	mg/L	05/10/17	--	--	--	8300	ND
	mg/L	11/06/17	--	--	--	5200	ND
mg/L	05/10/18	--	--	--	7000	ND	
mg/L	11/16/18	100	100	--	5700	ND	
mg/L	05/15/19	100	100	--	6700	ND	
mg/L	11/11/19	200	200	--	6900	ND	
mg/L	05/19/20	100	100	--	6300	ND	
mg/L	11/11/20	100	100	--	6900	ND	
mg/L	05/18/21	200	200	--	11000	ND	
mg/L	11/08/21	100	100	--	8700	ND	
mg/L	05/10/22	200	200	--	10000	ND	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Phosphorus	mg/L	05/24/06	--	--	--	2.56	ND
	mg/L	11/27/06	--	--	--	0.61	ND
	mg/L	05/23/07	--	--	--	1.9	ND
	mg/L	11/15/07	--	--	--	3.0	ND
	mg/L	05/28/08	--	--	--	2.6	ND
	mg/L	11/20/08	--	--	--	3.4	ND
	mg/L	05/28/09	--	--	--	3.9	ND
	mg/L	11/12/09	--	--	--	5.0	ND
	mg/L	05/27/10	--	--	--	2.5	ND
	mg/L	11/15/10	--	--	--	3.1	ND
	mg/L	05/12/11	--	--	--	1.3	ND
	mg/L	11/17/11	--	--	--	3.8	ND
	mg/L	05/10/12	--	--	--	4.2	ND
	mg/L	11/09/12	--	--	--	2.6	ND
	mg/L	05/15/13	--	--	--	5.1	ND
	mg/L	11/13/13	--	--	--	5.6	ND
	mg/L	05/14/14	--	--	--	5.4	ND
	mg/L	11/19/14	--	--	--	7.0	ND
	mg/L	05/12/15	--	--	--	9.0	ND
	mg/L	11/12/15	--	--	--	8.2	ND
	mg/L	05/13/16	--	--	--	6.7	ND
	mg/L	11/09/16	--	--	--	10	0.038
	mg/L	05/10/17	--	--	--	12	ND
	mg/L	11/06/17	--	--	--	7.2	ND
	mg/L	05/10/18	--	--	--	11	ND
	mg/L	11/16/18	0.25	1	--	9.9	ND
	mg/L	05/15/19	0.25	1	--	10	ND
mg/L	11/11/19	0.25	1	--	9.8	ND	
mg/L	05/19/20	0.25	1	--	13	ND	
mg/L	11/11/20	0.25	1	--	13	ND	
mg/L	05/18/21	0.25	1	--	5.4	ND	
mg/L	11/08/21	0.25	1	--	3.9	ND	
mg/L	05/10/22	0.25	1	--	9.4	ND	
pH (field)	S.U.	05/24/06	--	--	--	7.2	--
	S.U.	11/20/06	--	--	--	7.0	--
	S.U.	05/23/07	--	--	--	7.80	--
	S.U.	11/15/07	--	--	--	8.38	--
	S.U.	05/28/08	--	--	--	8.08	--
	S.U.	11/20/08	--	--	--	7.97	--
	S.U.	05/28/09	--	--	--	7.82	--
	S.U.	11/12/09	--	--	--	8.08	--
	S.U.	05/26/10	--	--	--	8.30	--
	S.U.	11/15/10	--	--	--	7.89	--
	S.U.	05/09/11	--	--	--	8.35	--
	S.U.	11/17/11	--	--	--	7.82	--
	S.U.	05/10/12	--	--	--	8.39	--
	S.U.	11/09/12	--	--	--	8.06	--
	S.U.	05/15/13	--	--	--	7.91	--
	S.U.	11/13/13	--	--	--	8.16	--
	S.U.	05/14/14	--	--	--	8.34	--
	S.U.	11/19/14	--	--	--	9.19	--
	S.U.	05/12/15	--	--	--	8.04	--
	S.U.	11/12/15	--	--	--	6.77	--
	S.U.	05/13/16	--	--	--	8.78	--
	S.U.	11/09/16	--	--	--	8.02	--
	S.U.	05/10/17	--	--	--	8.09	--
	S.U.	11/06/17	--	--	--	8.58	--
	S.U.	05/10/18	--	--	--	8.54	--
	S.U.	11/16/18	--	--	--	8.46	--
	S.U.	05/13/19	--	--	--	8.17	--
S.U.	11/11/19	--	--	--	8.13	--	
S.U.	05/19/20	--	--	--	8.06	--	
S.U.	11/11/20	--	--	--	8.19	--	
S.U.	05/18/21	--	--	--	7.91	--	
S.U.	11/08/21	--	--	--	8.00	--	
S.U.	05/10/22	--	--	--	8.08	--	

TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Specific Conductance (field)	µS/cm	05/24/06	--	--	--	9980	--
	µS/cm	11/20/06	--	--	--	4280	--
	µS/cm	05/23/07	--	--	--	2240	--
	µS/cm	11/15/07	--	--	--	2210	--
	µS/cm	05/28/08	--	--	--	1080	--
	µS/cm	11/20/08	--	--	--	2050	--
	µS/cm	05/28/09	--	--	--	2216	--
	µS/cm	11/12/09	--	--	--	1101	--
	µS/cm	05/26/10	--	--	--	1847	--
	µS/cm	11/15/10	--	--	--	1854	--
	µS/cm	05/09/11	--	--	--	1824	--
	uS/cm	11/17/11	--	--	--	1950	--
	uS/cm	05/10/12	--	--	--	1917	--
	µS/cm	11/09/12	--	--	--	1357	--
	µS/cm	05/15/13	--	--	--	25990	--
	uS/cm	11/13/13	--	--	--	18021	--
	µS/cm	05/14/14	--	--	--	21715	--
	µS/cm	11/19/14	--	--	--	20440	--
	µS/cm	05/12/15	--	--	--	22660	--
	uS/cm	11/12/15	--	--	--	25521	--
	uS/cm	05/13/16	--	--	--	32730	--
	uS/cm	11/09/16	--	--	--	25550	--
	uS/cm	05/10/17	--	--	--	29013	--
	uS/cm	11/06/17	--	--	--	21754	--
uS/cm	05/10/18	--	--	--	23799	--	
uS/cm	11/16/18	--	--	--	24632	--	
µS/cm	05/13/19	--	--	--	26848	--	
µS/cm	11/11/19	--	--	--	10920	--	
µS/cm	05/19/20	--	--	--	17237	--	
µS/cm	11/11/20	--	--	--	19004	--	
µS/cm	05/18/21	--	--	--	23430	--	
µS/cm	11/08/21	--	--	--	31813	--	
µS/cm	05/10/22	--	--	--	35440	--	
Temperature (field)	°C	05/24/06	--	--	--	23	--
	°C	11/20/06	--	--	--	19	--
	°C	05/23/07	--	--	--	28.83	--
	°C	11/15/07	--	--	--	14.55	--
	°C	05/28/08	--	--	--	24.78	--
	°C	11/20/08	--	--	--	18.97	--
	°C	05/28/09	--	--	--	25.44	--
	°C	11/12/09	--	--	--	15.56	--
	°C	05/26/10	--	--	--	34.88	--
	°C	11/15/10	--	--	--	19.94	--
	°C	05/09/11	--	--	--	18.24	--
	°C	11/17/11	--	--	--	23.42	--
	°C	05/10/12	--	--	--	17.99	--
	°C	11/09/12	--	--	--	15.21	--
	°C	05/15/13	--	--	--	28.72	--
	°C	11/13/13	--	--	--	13.70	--
	°C	05/14/14	--	--	--	30.40	--
	°C	11/19/14	--	--	--	13.40	--
	°C	05/12/15	--	--	--	33.90	--
	°C	11/12/15	--	--	--	18.60	--
	°C	05/13/16	--	--	--	28.60	--
	°C	11/09/16	--	--	--	21.51	--
	°C	05/10/17	--	--	--	28.6	--
	°C	11/06/17	--	--	--	22.0	--
°C	05/10/18	--	--	--	29.7	--	
°C	11/16/18	--	--	--	19.5	--	
°C	05/13/19	--	--	--	29.5	--	
°C	11/11/19	--	--	--	15.4	--	
°C	05/19/20	--	--	--	30.2	--	
°C	11/11/20	--	--	--	26.0	--	
°C	05/18/21	--	--	--	29.5	--	
°C	11/08/21	--	--	--	27.0	--	
°C	05/10/22	--	--	--	27.4	--	

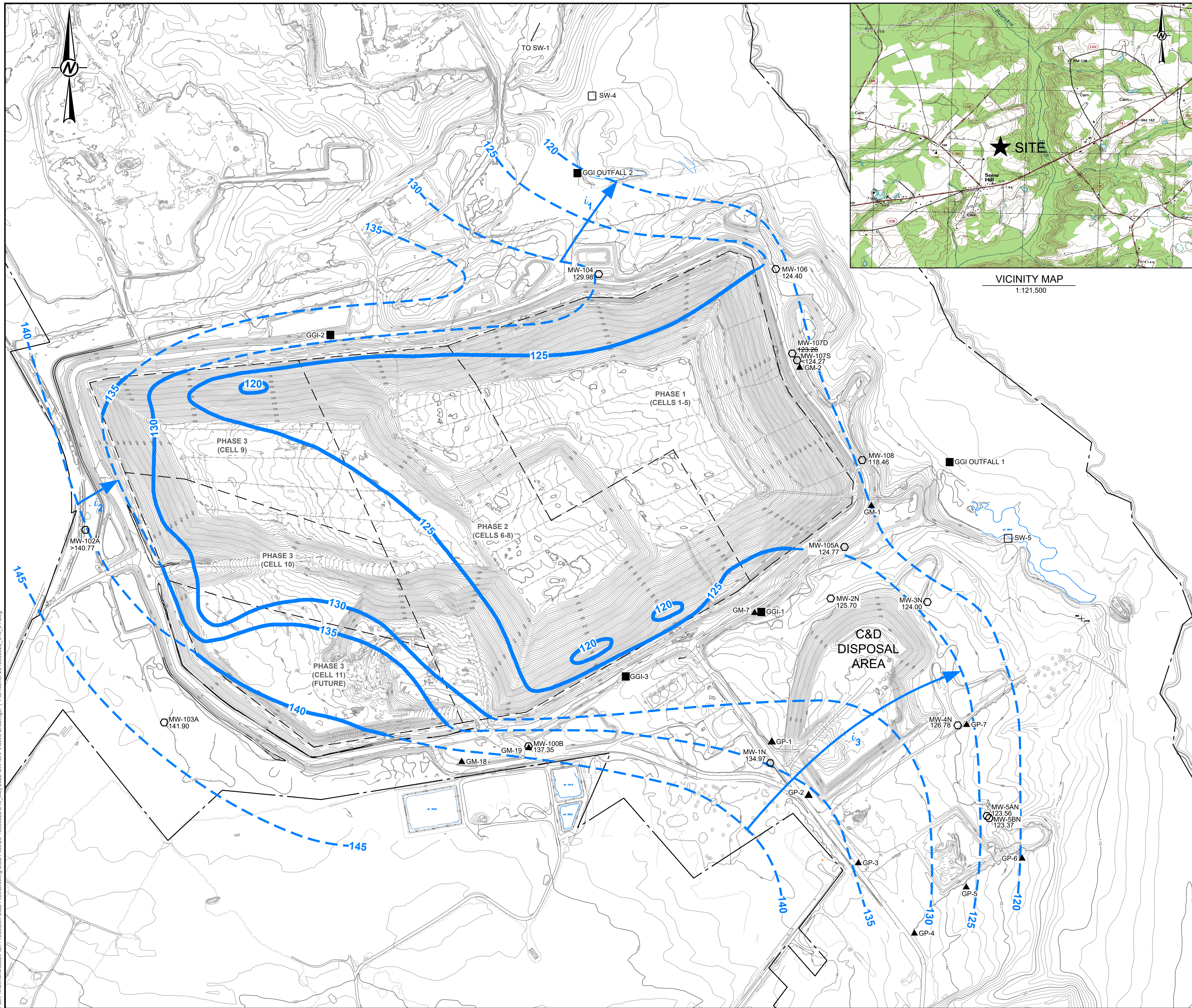
TABLE 10

Summary of Detected Leachate Parameters
Sampson County Active MSW Landfill, Permit No. 82-02

Detected Monitoring Constituent/Parameter	Units	Sample Date	Method Detection Limit	Practical Quantitation Limit	SWS Reporting Limit	Leachate	Blanks
Turbidity (field)	NTU	05/23/07	--	--	--	206	--
	NTU	11/15/07	--	--	--	421	--
	NTU	05/28/08	--	--	--	963	--
	NTU	11/20/08	--	--	--	52.7	--
	NTU	05/28/09	--	--	--	NM	--
	NTU	11/12/09	--	--	--	40.1	--
	NTU	05/26/10	--	--	--	--	--
	NTU	11/15/10	--	--	--	--	--
	NTU	05/09/11	--	--	--	--	--
	NTU	11/17/11	--	--	--	--	--
	NTU	05/10/12	--	--	--	>1000	--
	NTU	11/09/12	--	--	--	51.7	--
	NTU	05/15/13	--	--	--	98.2	--
	NTU	11/13/13	--	--	--	86.6	--
	NTU	05/14/14	--	--	--	278	--
	NTU	11/09/14	--	--	--	357	--
	NTU	05/12/15	--	--	--	66.9	--
	NTU	11/12/15	--	--	--	189	--
	NTU	05/13/16	--	--	--	>1000	--
	NTU	11/09/16	--	--	--	>1000	--
	NTU	05/10/17	--	--	--	>1000	--
	NTU	11/06/17	--	--	--	>1000	--
	NTU	05/10/18	--	--	--	>1000	--
	NTU	11/16/18	--	--	--	204	--
	NTU	05/13/19	--	--	--	>1000	--
	NTU	11/11/19	--	--	--	280	--
	NTU	05/19/20	--	--	--	204	--
	NTU	11/11/20	--	--	--	130	--
NTU	05/18/21	--	--	--	>1000	--	
NTU	11/08/21	--	--	--	>1000	--	
NTU	05/10/22	--	--	--	>1000	--	

Notes:
 mg/L = milligrams per liter
 ug/L = micrograms per liter
 S.U. = Standard Units
 ND = Not detected at the stated reporting limit
 NM = Not Measured
 J = Prior to the November 2018 event, J flags are estimated values below the SWS Reporting limit. Beginning with the November 2018 event, J flags are
 μS/cm= microsiemens per centimeter
 NTU = Nephelometric Turbidity Units
 °C = degrees Celsius
 -- = no data available or no limit established
 Blanks = field, trip and/or method blanks
 SWS Reporting Limit = NCPQL or lab-specific reporting limit prior to 2007 and NCSWSL starting on 01/18/07
 1) Data prior to 2/28/07 provided by Richardson, Smith, Gardner and Associates.
 2) The following dilutions were noted for the May 2022 event: VOCs (50x)
 Metals(except Antimony and Thallium) (5x); Antimony and Thallium (10x), COD (20x), Phosphorous (10x), and Sulfate as SO4 (20x)

DRAWING



LEGEND

	EXISTING 10-FOOT GROUND SURFACE CONTOUR
	EXISTING 2-FOOT GROUND SURFACE CONTOUR
	PERMITTED LIMITS OF WASTE
	PROPERTY LINE
	EXISTING ROAD
	ESTIMATED GROUNDWATER ELEVATION (5-FT CONTOURS)
	INFERRED GROUNDWATER ELEVATION (5-FT CONTOURS)
	GROUNDWATER FLOW ARROW
	MW-104 129.98
	GM-1 / GP-1
	GGI-1
	SW-1S
	NA
	MONITORING WELL AND IDENTIFICATION
	LANDFILL GAS MONITORING PROBE
	GRAVITY GROUNDWATER INTERCEPT LOCATION
	SURFACE WATER MONITORING POINT
	NOT AVAILABLE

VICINITY MAP
1:121,500

- NOTES**
1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
 2. GROUNDWATER SURFACE CONTOUR INTERVAL = 5 FEET
 3. GROUNDWATER ELEVATIONS MEASURED ON MAY 10, 2022.
 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 SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES 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. SW-1S IS THE UPSTREAM SAMPLING POINT FOR THE CLOSED LANDFILL ON THE SOUTHERN PROPERTY (PERMIT 82-01). SW-1 IS LOCATED OFF THE MAPPED AREA TO THE NORTHEAST AS SHOWN.
 7. MONITORING WELLS MW-1N, MW-2N, MW-3N AND MW-4N ARE FOR THE C&D LANDFILL.
 8. MW-107D IS NOT PART OF THE APPROVED MONITORING NETWORK AND THE GROUNDWATER ELEVATIONS WAS NOT USED IN THE CONSTRUCTION OF THE CONTOUR MAP.
 9. BASE MAP PROVIDED BY G.N. RICHARDSON & ASSOCIATES, INC. TOPOGRAPHY PROVIDED FROM AERIAL SURVEYS PREPARED BY GEODATA CORP. PHOTOGRAPHY DATES JANUARY 16, 2019 AND MARCH 10, 2014; BY COOPER AERIAL SURVEYS COMPANY, PHOTOGRAPHY DATE JANUARY 6, 2022.
 10. COORDINATE SYSTEM IS N.C. STATE PLANE GRID.
 11. THE ELEVATION FOR MW-107D WAS NOT USED IN THE CONSTRUCTION FOR GROUNDWATER CONTOURS.
 12. ESTIMATED GROUNDWATER CONTOURS INSIDE WASTE FOOTPRINT ARE BASED ON KNOWN GROUNDWATER ELEVATIONS INSIDE WASTE FOOTPRINT IN GGI SYSTEM AS PROVIDED BY SMITH+GARDNER.



CLIENT
SAMPSON COUNTY DISPOSAL, LLC

PROJECT
SAMPSON COUNTY DISPOSAL, LLC
ACTIVE LANDFILLS, PERMIT NO. 82-02
SAMPSON COUNTY, NC

TITLE
GROUNDWATER CONTOUR MAP
MAY 10, 2022

CONSULTANT	PG C-399	YYYY-MM-DD	2022-05-23
		PREPARED	SIB
		DESIGN	JWS
		REVIEW	RPK
		APPROVED	RPK



Path: \\chemon\data\Plan_Production\Drawings\Drawings\20-13856022\010_May 2022\GWI Map\Active Drawings\1 File Name: 2013856022_010_01.dwg

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

APPENDIX A
Groundwater, Surface Water, and
Leachate Sampling Logs

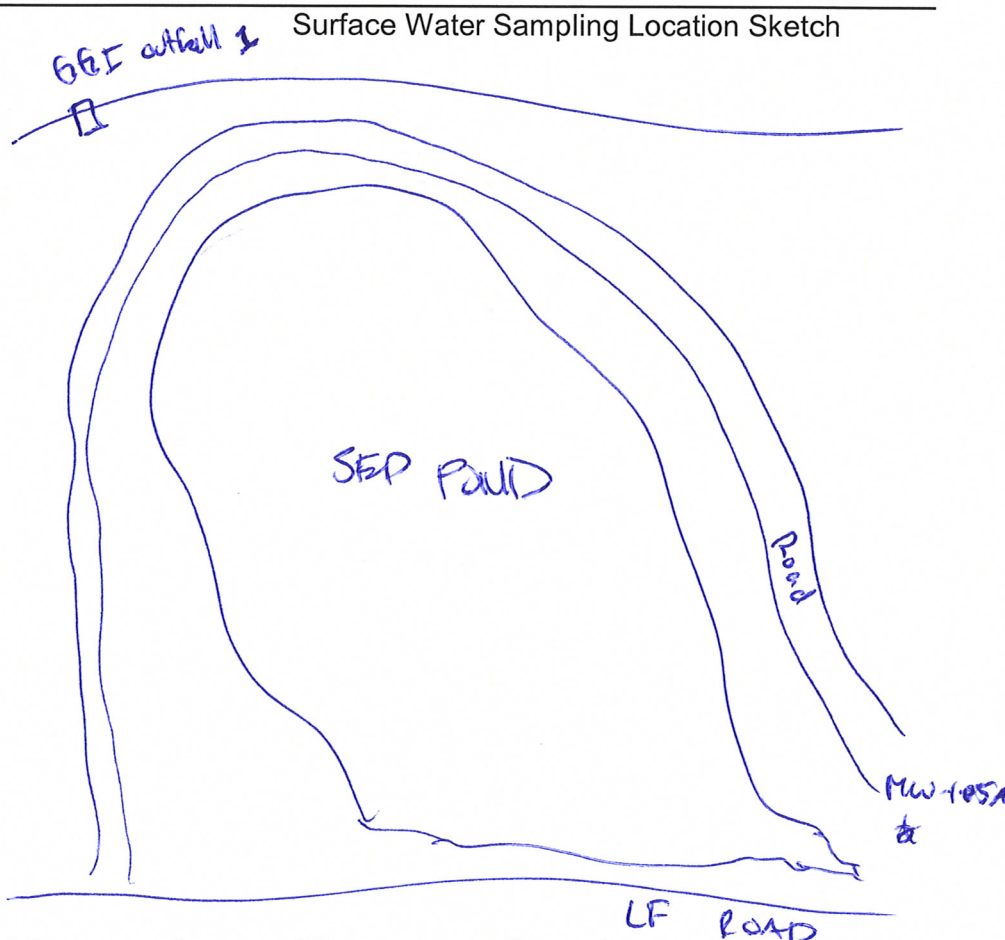
DATE: 5/11/2022



SURFACE WATER SAMPLING LOG

Project Name: Sampson County Active Project No./Phase No.: 2013856022
Sample ID: GGE outfall 1 Sampler(s): Nicolas Tejeda-Torres
Sampling Location: East of LF, near Sed pond close to MW-105A
Equipment: YSI, Turbidimeter

Time	1614
pH s.u.	6.20
Sp. Cond. uS/cm	369.8
Turb. ntu	4.40
Dis. O ₂ mg/L	7.63
Temp. °C	24.9
ORP mv	129.2



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

Signature: [Signature]

Date: 5/11/2022

QA/QC Sign Off: Ramul Jim

Date: 6-29-22

DATE: 5/10/2022

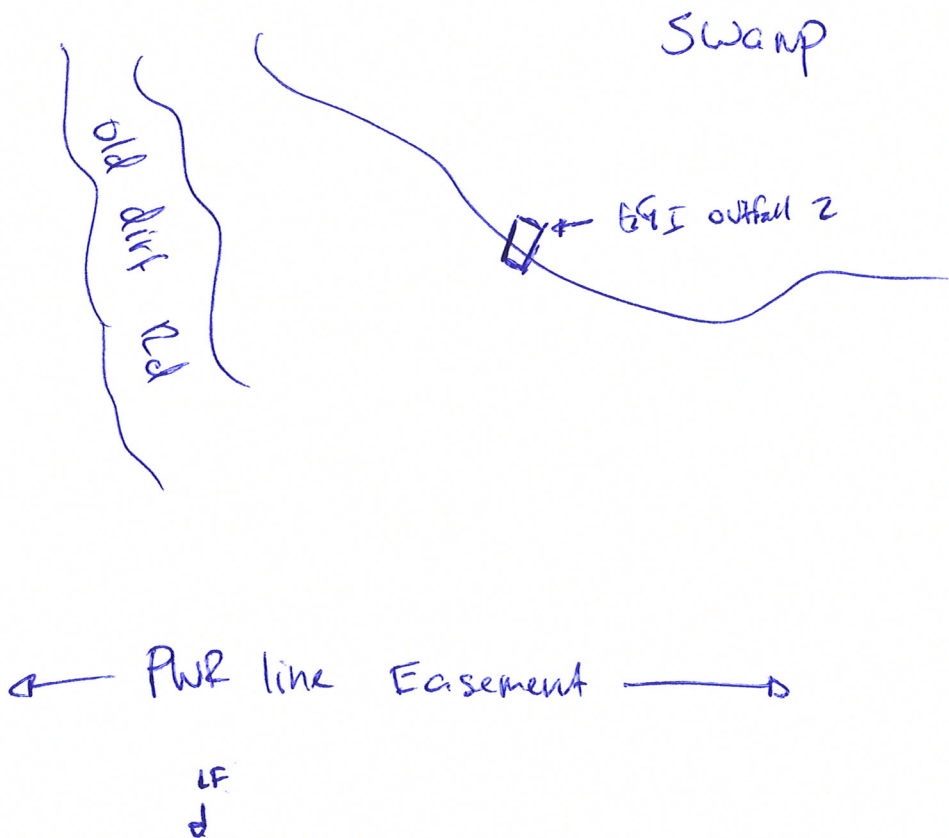


SURFACE WATER SAMPLING LOG

Project Name: Sampson County Active Project No./Phase No.: 2013856022
Sample ID: 69I - outfall 2 Sampler(s): Nicolas Tejedo-Torres
Sampling Location: North Eastth of Landfill, near powerline Easement.
Equipment: YSI, Turbidimeter

Surface Water Sampling Location Sketch

Time	1640
pH s.u.	5.28
Sp. Cond. uS/cm	164.3
Turb. ntu	22.7
Dis. O ₂ mg/L	4.06
Temp. °C	24.3
ORP mv	133.3



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

Signature:
QA/QC Sign Off:

Date: 5/10/2022
Date: 6-29-22

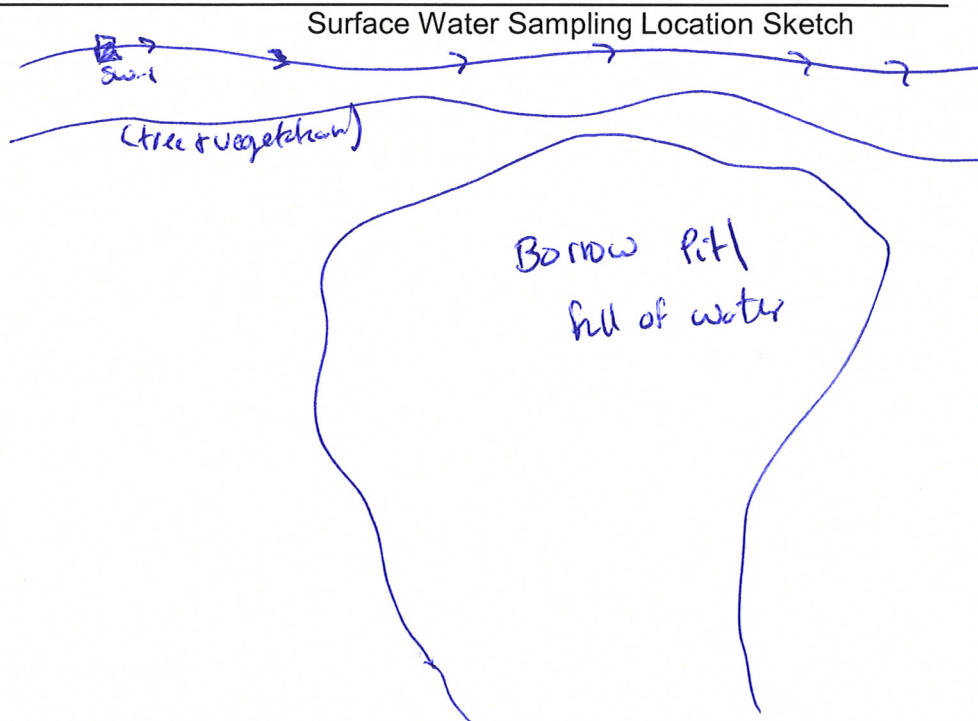
DATE: 5/1/2022



SURFACE WATER SAMPLING LOG

Project Name: Sampson County Active Project No./Phase No.: 2013856022
Sample ID: SW-1 Sampler(s): Nicolas Tejada-Torres
Sampling Location: Northwest corner of Borrow Pit
Equipment: YSI, Turbidimeter

Time	1511
pH s.u.	5.02
Sp. Cond. uS/cm	32.3
Turb. ntu	2.92
Dis. O ₂ mg/L	9.12
Temp. °C	15.9
ORP mv	154.6



6
LF

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

Signature:
QA/QC Sign Off:

Date: 5/1/2022
Date: 6-29-22

DATE: 5/11/2022

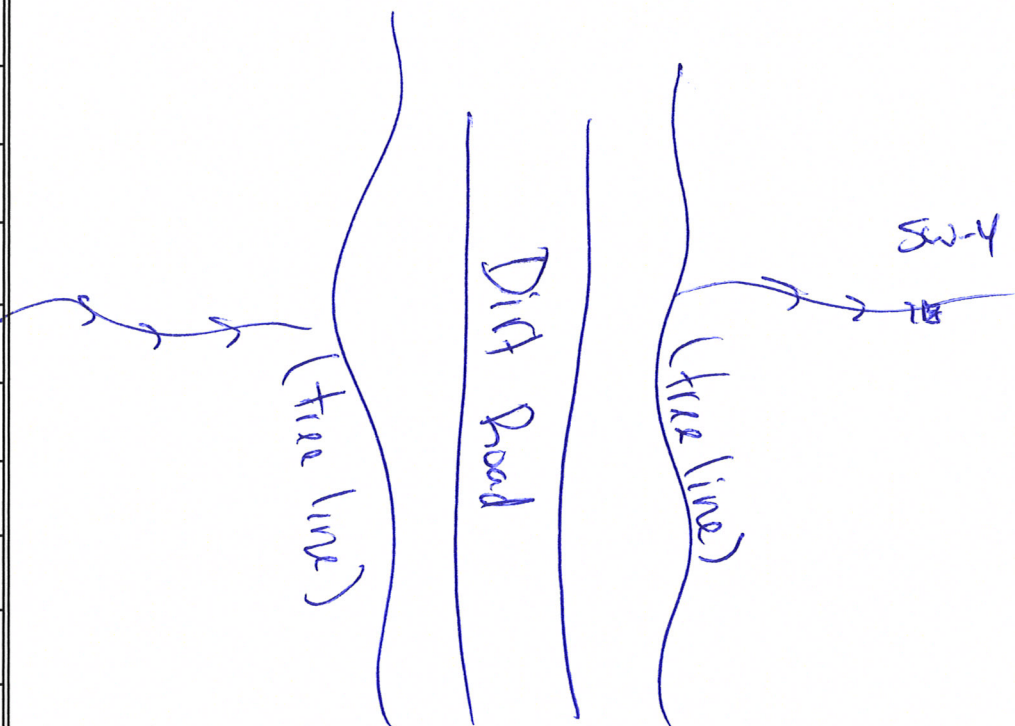


SURFACE WATER SAMPLING LOG

Project Name: Sampson County Active Project No./Phase No.: 2013856022
Sample ID: SW-4 Sampler(s): Nicolas Tejeda-Torres
Sampling Location: North East of LF by dirt Rd going to Borrow Area
Equipment: YSI, Turbidimeter

Surface Water Sampling Location Sketch

Time	<u>1546</u> <u>16</u>
pH s.u.	<u>5.54</u>
Sp. Cond. uS/cm	<u>50.1</u>
Turb. ntu	<u>15.1</u>
Dis. O ₂ mg/L	<u>5.48</u>
Temp. °C	<u>18.2</u>
ORP mv	<u>83.2</u>



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

Signature: [Signature]
QA/QC Sign Off: Nicole [Signature]

Date: 5/11/2022
Date: 6-29-22

DATE: 5/14/2022



SURFACE WATER SAMPLING LOG

Project Name: Sampson County Active Project No./Phase No.: 2013856022

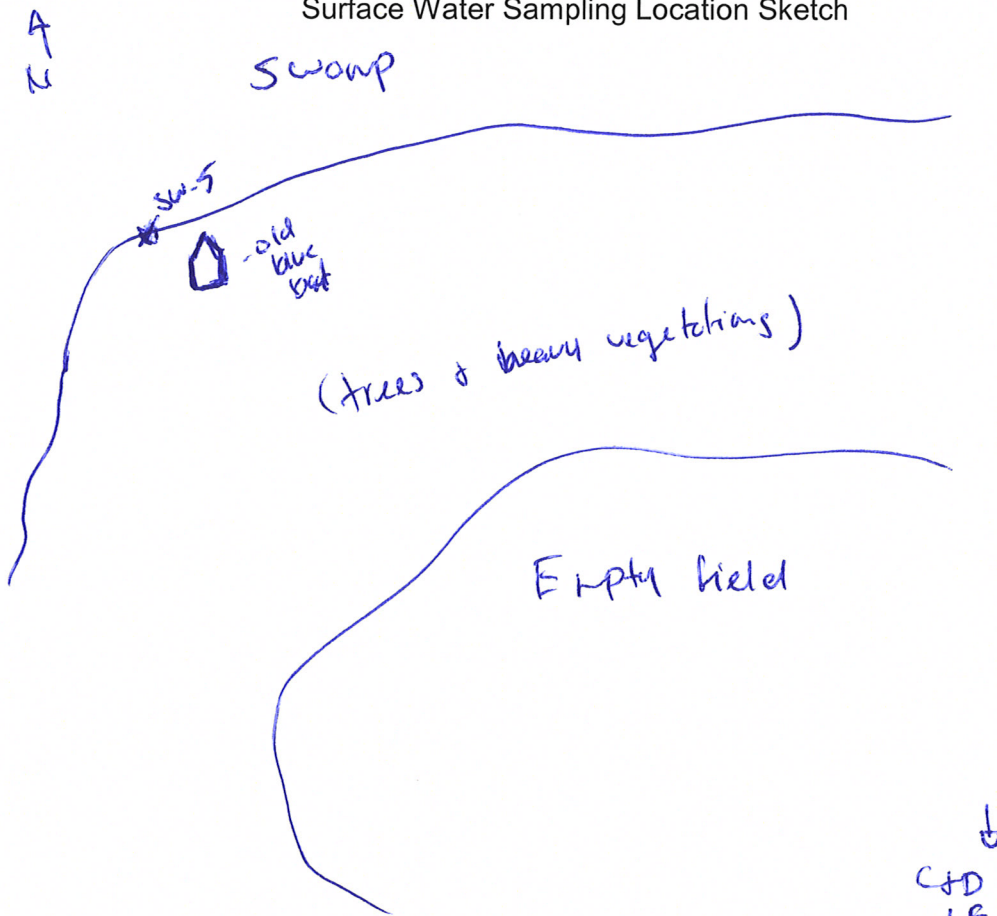
Sample ID: SW-5 Sampler(s): _____

Sampling Location: SouthEast of LF, past MW-4M, beside blue bndt.

Equipment: YSI, Turbidimeter, bailer

Surface Water Sampling Location Sketch

Time	1030
pH s.u.	8.52
Sp. Cond. uS/cm	492
Turb. ntu	11.9
Dis. O ₂ mg/L	9.58
Temp. °C	19.1
ORP mv	42.7



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

Signature: [Signature]
QA/QC Sign Off: Randy Kim

Date: 5/14/2022
Date: 6-29-22

DATE: 5/12/2022

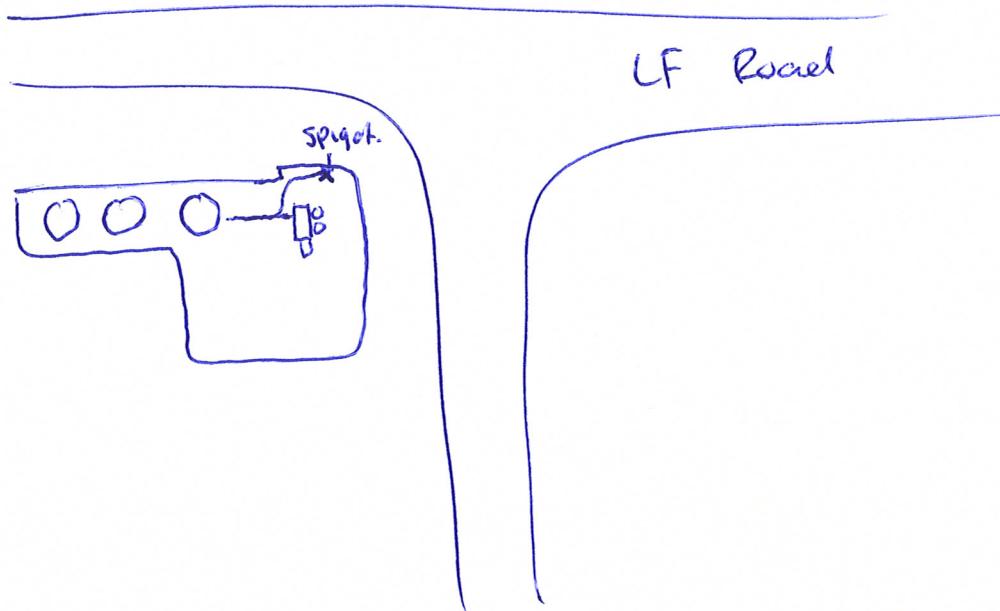


LEACHATE SAMPLING LOG

Project Name: Sampson County LF Active Project No./Phase No.: 2013856022
Sample ID: L-1 Sampler(s): Nicolas Tejedo-Torres
Sampling Location: Leachate Tank, Spigot in Leachate Area
Equipment: YSI, Hach 2100Q

Sampling Location Sketch

Time	1102
pH s.u.	8.08
Sp. Cond. mS/cm	35.44
Turb. ntu	>1000
Temp °C	27.4



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

Signature: [Signature]
QA/QC Sign Off: [Signature]

Date: 5/12/2022
Date: 6-29-22

APPENDIX B
May 2022 Groundwater, Surface Water,
and Leachate Certificates-Of- Analysis,
Chain-Of-Custody Forms and
Laboratory Data Review



ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515

Thursday, June 2, 2022

GFL Environmental - Sampson Co. (WA026)

Attn: Rachel Kirkman

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for

Project Number: 2013856022.100, Project Name/Desc: Sampson Co.-Active.

ENCO Workorder(s): CF06099

Dear Rachel Kirkman,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, May 12, 2022.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Amanda L. Gaines

Project Manager

Enclosure(s)

PROJECT NARRATIVE

Date: June 2, 2022
Client: GFL Environmental - Sampson Co. (WA026)
Project: Sampson Co.-Active.
Lab ID: CF06099

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

The 8260D Method Blank (MB) had a positive result for 2-Butanone; any reported result may be biased high. The LCS exhibited a low bias for 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 4-Methyl-2-pentanone, Methylene chloride, trans-1,2-Dichloroethene, and Vinyl chloride; however these analytes were detected in the CRL standard, verifying instrument sensitivity. The LCS exhibited a high bias for 2-Butanone, cis-1,2-Dichloroethene, and Methylene chloride; however, these analytes were not detected in the associated samples. The LCS exhibited a high bias for 2-Butanone and Methylene chloride; any reported result should be considered estimated. The Continuing Calibration Verification (CCV) exhibited a high bias for 2-Butanone, Acetone, Acrylonitrile, Chloroform, Tetrahydrofuran, Trichlorofluoromethane, and Vinyl acetate; however, these analytes were not detected in the associated samples. The CCV exhibited a high bias for 2-Butanone, any reported result should be considered estimated. The spike recovery for 1,1-Dichloroethene was outside control limits for the MS and MSD samples, the precision between duplicate spikes of 1,1-Dichloroethene and Benzene exceeded acceptance criteria. The QC batches were approved based on acceptable LCS recovery of these analytes.

The spike recoveries for Chloride, Phosphorus, and Sulfate were outside control limits for the MS and/or MSD samples, the precision between duplicate spikes of Sulfate exceeded acceptance criteria. The QC batches were approved based on acceptable LCS recovery of these analytes.

Quality Control Remarks

No Comments

Other Comments

Methylene chloride, a common laboratory contaminant, was detected in the Field Blank; however, this analyte was not detected in the associated samples, reducing the impact of the deviation.

Sample 8202-L1 for 8260D was processed at a dilution due to matrix interference, resulting in elevated reporting limits.

Sample 8202-L1 for Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc was processed at a dilution due to matrix interference, resulting in elevated reporting limits.

All samples received under this work order arrived in acceptable conditions. The samples were not checked for chlorine, as it is not required.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Amanda Gaines
Project Manage

SAMPLE DETECTION SUMMARY

Client ID: 8202-MW100B		Lab ID: CF06099-01					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	303		1.10	10.0	ug/L	EPA 6010D	
Beryllium - Total	0.217	J	0.160	1.00	ug/L	EPA 6010D	
Cadmium - Total	0.418	J	0.360	1.00	ug/L	EPA 6010D	
Cobalt - Total	2.56	J	1.40	10.0	ug/L	EPA 6010D	
Client ID: 8202-MW104		Lab ID: CF06099-02					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	74.5		1.10	10.0	ug/L	EPA 6010D	
Chromium - Total	2.28	J	1.40	10.0	ug/L	EPA 6010D	
Cobalt - Total	10.9		1.40	10.0	ug/L	EPA 6010D	
Nickel - Total	4.08	J	2.20	10.0	ug/L	EPA 6010D	
Zinc - Total	28.0		4.40	10.0	ug/L	EPA 6010D	
Client ID: 8202-MW105A		Lab ID: CF06099-03					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	20.8		1.10	10.0	ug/L	EPA 6010D	
Toluene	0.41	J	0.14	1.0	ug/L	EPA 8260D	
Zinc - Total	4.43	J	4.40	10.0	ug/L	EPA 6010D	
Client ID: 8202-MW106		Lab ID: CF06099-04					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	14.2		1.10	10.0	ug/L	EPA 6010D	
Chromium - Total	2.79	J	1.40	10.0	ug/L	EPA 6010D	
Cobalt - Total	2.75	J	1.40	10.0	ug/L	EPA 6010D	
Nickel - Total	3.13	J	2.20	10.0	ug/L	EPA 6010D	
Client ID: 8202-MW108		Lab ID: CF06099-05					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
1,4-Dioxane	1.2	J	0.80	2.0	ug/L	EPA 8260D	
Barium - Total	30.5		1.10	10.0	ug/L	EPA 6010D	
Beryllium - Total	0.306	J	0.160	1.00	ug/L	EPA 6010D	
Chromium - Total	6.35	J	1.40	10.0	ug/L	EPA 6010D	
Cobalt - Total	18.4		1.40	10.0	ug/L	EPA 6010D	
Copper - Total	1.72	J	1.60	10.0	ug/L	EPA 6010D	
Nickel - Total	13.5		2.20	10.0	ug/L	EPA 6010D	
Zinc - Total	42.8		4.40	10.0	ug/L	EPA 6010D	
Client ID: 8202-GGIOutfall1		Lab ID: CF06099-06					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	237		1.10	10.0	ug/L	EPA 6010D	
Beryllium - Total	0.223	J	0.160	1.00	ug/L	EPA 6010D	
Cobalt - Total	2.20	J	1.40	10.0	ug/L	EPA 6010D	
Client ID: 8202-GGIOutfall2		Lab ID: CF06099-07					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	71.0		1.10	10.0	ug/L	EPA 6010D	
Cobalt - Total	1.42	J	1.40	10.0	ug/L	EPA 6010D	
Client ID: 8202-Field Blank		Lab ID: CF06099-08					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Methylene chloride	0.92	J	0.23	1.0	ug/L	EPA 8260D	J-02, O-01
Client ID: 8202-SW1		Lab ID: CF06099-09					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	31.2		1.10	10.0	ug/L	EPA 6010D	
Client ID: 8202-SW4		Lab ID: CF06099-10					
<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>MDL</u>	<u>PQL</u>	<u>Units</u>	<u>Method</u>	<u>Notes</u>
Barium - Total	14.8		1.10	10.0	ug/L	EPA 6010D	
Toluene	5.0		0.14	1.0	ug/L	EPA 8260D	
Zinc - Total	7.89	J	4.40	10.0	ug/L	EPA 6010D	

SAMPLE DETECTION SUMMARY

Client ID: 8202-SW5 **Lab ID: CF06099-11**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	44.2		1.10	10.0	ug/L	EPA 6010D	
Nickel - Total	2.29	J	2.20	10.0	ug/L	EPA 6010D	
Zinc - Total	6.73	J	4.40	10.0	ug/L	EPA 6010D	

Client ID: 8202-L1 **Lab ID: CF06099-12**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Antimony - Total	87.5	D	3.70	10.0	ug/L	EPA 6020B	R-01
Arsenic - Total	618	D	38.0	50.0	ug/L	EPA 6010D	R-01
Barium - Total	285	D	5.50	50.0	ug/L	EPA 6010D	R-01
Biochemical Oxygen Demand	3500		2.0	2.0	mg/L	SM 5210 B-2011	
Chemical Oxygen Demand	10000		200	200	mg/L	SM 5220D-2011	
Chromium - Total	795	D	7.00	50.0	ug/L	EPA 6010D	R-01
Cobalt - Total	86.9	D	7.00	50.0	ug/L	EPA 6010D	R-01
Copper - Total	258	D	8.00	50.0	ug/L	EPA 6010D	R-01
Nickel - Total	298	D	11.0	50.0	ug/L	EPA 6010D	R-01
Nitrate/Nitrite as N	0.22		0.041	0.10	mg/L	EPA 353.2	
Nitrite as N	0.20		0.017	0.10	mg/L	EPA 353.2	
Phosphorus - Total	9.4	D	0.25	1.0	mg/L	EPA 365.4	
Toluene	28	JD	7.0	50	ug/L	EPA 8260D	R-04
Vanadium - Total	383	D	7.00	50.0	ug/L	EPA 6010D	R-01
Zinc - Total	467	D	22.0	50.0	ug/L	EPA 6010D	R-01

Client ID: 8202-L1 **Lab ID: CF06099-12RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
2-Butanone	6200	BD	65	250	ug/L	EPA 8260D	J-01, J-02, J-04
Acetone	11000	D	500	1000	ug/L	EPA 8260D	
Sulfate as SO4	1600000	D	58000	100000	ug/L	EPA 300.0	

Client ID: 8202-MW1N **Lab ID: CF06099-13**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	39.6		1.10	10.0	ug/L	EPA 6010D	
Chloride	36000		2200	5000	ug/L	EPA 300.0	
Chromium - Total	1.70	J	1.40	10.0	ug/L	EPA 6010D	
Cobalt - Total	2.24	J	1.40	10.0	ug/L	EPA 6010D	
Iron - Total	36.7	J	22.0	50.0	ug/L	EPA 6010D	
Manganese - Total	4.79	J	1.50	10.0	ug/L	EPA 6010D	
Sulfate as SO4	69000		2900	5000	ug/L	EPA 300.0	
Total Dissolved Solids	110000		50000	50000	ug/L	SM 2540C-2011	

Client ID: 8202-MW2N **Lab ID: CF06099-14**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dioxane	3.8		0.80	2.0	ug/L	EPA 8260D	
Barium - Total	139		1.10	10.0	ug/L	EPA 6010D	
Chloride	36000		2200	5000	ug/L	EPA 300.0	
Chromium - Total	1.44	J	1.40	10.0	ug/L	EPA 6010D	
Cobalt - Total	1.91	J	1.40	10.0	ug/L	EPA 6010D	
Iron - Total	24700		22.0	50.0	ug/L	EPA 6010D	
Manganese - Total	258		1.50	10.0	ug/L	EPA 6010D	
Sulfate as SO4	31000		2900	5000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	350000	D	28000	30000	ug/L	EPA 310.2	
Total Dissolved Solids	540000		50000	50000	ug/L	SM 2540C-2011	

Client ID: 8202-MW3N **Lab ID: CF06099-15**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dioxane	5.2		0.80	2.0	ug/L	EPA 8260D	
Barium - Total	187		1.10	10.0	ug/L	EPA 6010D	
Chromium - Total	2.39	J	1.40	10.0	ug/L	EPA 6010D	
Iron - Total	103		22.0	50.0	ug/L	EPA 6010D	
Manganese - Total	98.5		1.50	10.0	ug/L	EPA 6010D	
Total Alkalinity as CaCO3	760000	D	140000	150000	ug/L	EPA 310.2	
Total Dissolved Solids	1300000		50000	50000	ug/L	SM 2540C-2011	

SAMPLE DETECTION SUMMARY

Client ID: 8202-MW3N **Lab ID: CF06099-15RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	130000	D	8700	20000	ug/L	EPA 300.0	
Sulfate as SO4	250000	D	12000	20000	ug/L	EPA 300.0	

Client ID: 8202-MW4N **Lab ID: CF06099-16**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dioxane	0.98	J	0.80	2.0	ug/L	EPA 8260D	
Barium - Total	28.3		1.10	10.0	ug/L	EPA 6010D	
Chloride	52000	D	4400	10000	ug/L	EPA 300.0	
Iron - Total	80.8		22.0	50.0	ug/L	EPA 6010D	
Manganese - Total	14.7		1.50	10.0	ug/L	EPA 6010D	
Sulfate as SO4	130000	D	5800	10000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	97000		14000	15000	ug/L	EPA 310.2	
Total Dissolved Solids	400000		50000	50000	ug/L	SM 2540C-2011	

Client ID: 8202-MW5AN **Lab ID: CF06099-17**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,4-Dioxane	1.1	J	0.80	2.0	ug/L	EPA 8260D	
Barium - Total	54.5		1.10	10.0	ug/L	EPA 6010D	
Chloride	6700		2200	5000	ug/L	EPA 300.0	
Chromium - Total	1.96	J	1.40	10.0	ug/L	EPA 6010D	
Cobalt - Total	2.90	J	1.40	10.0	ug/L	EPA 6010D	
Iron - Total	23.9	J	22.0	50.0	ug/L	EPA 6010D	
Manganese - Total	45.9		1.50	10.0	ug/L	EPA 6010D	
Sulfate as SO4	7300		2900	5000	ug/L	EPA 300.0	

Client ID: 8202-MW5BN **Lab ID: CF06099-18**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	88.8		1.10	10.0	ug/L	EPA 6010D	
Chloride	13000		2200	5000	ug/L	EPA 300.0	
Copper - Total	12.3		1.60	10.0	ug/L	EPA 6010D	
Iron - Total	1220		22.0	50.0	ug/L	EPA 6010D	
Manganese - Total	48.9		1.50	10.0	ug/L	EPA 6010D	
Sulfate as SO4	5500		2900	5000	ug/L	EPA 300.0	
Zinc - Total	11.2		4.40	10.0	ug/L	EPA 6010D	

ANALYTICAL RESULTS

Description: 8202-MW100B

Lab Sample ID: CF06099-01

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 11:38

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 12:56	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Barium [7440-39-3]^	303		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Beryllium [7440-41-7]^	0.217	J	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Cadmium [7440-43-9]^	0.418	J	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Cobalt [7440-48-4]^	2.56	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 12:56	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 09:42	JDH	

Description: 8202-MW104

Lab Sample ID: CF06099-02

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 14:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
1,1-Dichloroethane [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	

ANALYTICAL RESULTS

Description: 8202-MW104

Lab Sample ID: CF06099-02

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 14:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	A-07
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 04:17	RKY	

Surrogates

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	61	1	50.0	121 %	53-136	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Dibromofluoromethane	51	1	50.0	102 %	67-129	2E18024	EPA 8260D	05/19/22 04:17	RKY	
Toluene-d8	57	1	50.0	113 %	59-134	2E18024	EPA 8260D	05/19/22 04:17	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:00	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Barium [7440-39-3]^	74.5		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Chromium [7440-47-3]^	2.28	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Cobalt [7440-48-4]^	10.9		ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Nickel [7440-02-0]^	4.08	J	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:00	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	
Zinc [7440-66-6]^	28.0		ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 10:48	JDH	



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ANALYTICAL RESULTS

Description: 8202-MW104

Lab Sample ID: CF06099-02

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 14:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 16:27	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Toluene-d8	4.6	1	5.00	93 %	75-125	2E17039	EPA 8260D	05/17/22 16:27	KKW		

ANALYTICAL RESULTS

Description: 8202-MW105A

Lab Sample ID: CF06099-03

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/12/22 08:54

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	QL-02, QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E19031	EPA 8260D	05/20/22 11:23	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E19031	EPA 8260D	05/20/22 11:23	RKY	QV-01
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	QL-02
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	QL-02
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Toluene [108-88-3]^	0.41	J	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	QV-01
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	

ANALYTICAL RESULTS

Description: 8202-MW105A

Lab Sample ID: CF06099-03

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/12/22 08:54

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E19031	EPA 8260D	05/20/22 11:23	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	51	1	50.0	103 %	53-136	2E19031	EPA 8260D	05/20/22 11:23	RKY		
Dibromofluoromethane	50	1	50.0	100 %	67-129	2E19031	EPA 8260D	05/20/22 11:23	RKY		
Toluene-d8	50	1	50.0	100 %	59-134	2E19031	EPA 8260D	05/20/22 11:23	RKY		

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 11:23	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Barium [7440-39-3]^	20.8		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 11:23	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	
Zinc [7440-66-6]^	4.43	J	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 10:51	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 16:53	KKW	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
Toluene-d8	4.6	1	5.00	92 %	75-125	2E17039	EPA 8260D	05/17/22 16:53	KKW		

ANALYTICAL RESULTS

Description: 8202-MW106

Lab Sample ID: CF06099-04

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 13:40

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	A-07
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 04:45	RKY	

ANALYTICAL RESULTS

Description: 8202-MW106

Lab Sample ID: CF06099-04

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 13:40

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	58	1	50.0	116 %	53-136	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Dibromofluoromethane	51	1	50.0	102 %	67-129	2E18024	EPA 8260D	05/19/22 04:45	RKY	
Toluene-d8	56	1	50.0	112 %	59-134	2E18024	EPA 8260D	05/19/22 04:45	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:04	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Barium [7440-39-3]^	14.2		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Chromium [7440-47-3]^	2.79	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Cobalt [7440-48-4]^	2.75	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Nickel [7440-02-0]^	3.13	J	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:04	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 10:53	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 17:18	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Toluene-d8	4.8	1	5.00	96 %	75-125	2E17039	EPA 8260D	05/17/22 17:18	KKW		

ANALYTICAL RESULTS

Description: 8202-MW108

Lab Sample ID: CF06099-05

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/12/22 10:07

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	QL-02, QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E19031	EPA 8260D	05/20/22 11:53	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E19031	EPA 8260D	05/20/22 11:53	RKY	QV-01
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	QL-02
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	QL-02
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	QV-01
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	

ANALYTICAL RESULTS

Description: 8202-MW108

Lab Sample ID: CF06099-05

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/12/22 10:07

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E19031	EPA 8260D	05/20/22 11:53	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	51	1	50.0	102 %	53-136	2E19031	EPA 8260D	05/20/22 11:53	RKY		
Dibromofluoromethane	53	1	50.0	105 %	67-129	2E19031	EPA 8260D	05/20/22 11:53	RKY		
Toluene-d8	51	1	50.0	102 %	59-134	2E19031	EPA 8260D	05/20/22 11:53	RKY		

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:09	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Barium [7440-39-3]^	30.5		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Beryllium [7440-41-7]^	0.306	J	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Chromium [7440-47-3]^	6.35	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Cobalt [7440-48-4]^	18.4		ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Copper [7440-50-8]^	1.72	J	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Nickel [7440-02-0]^	13.5		ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:09	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	
Zinc [7440-66-6]^	42.8		ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 10:56	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,4-Dioxane [123-91-1]^	1.2	J	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 17:44	KKW	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
Toluene-d8	4.9	1	5.00	99 %	75-125	2E17039	EPA 8260D	05/17/22 17:44	KKW		

ANALYTICAL RESULTS

Description: 8202-GGIOutfall1

Lab Sample ID: CF06099-06

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 16:14

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	A-07
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 05:13	RKY	

ANALYTICAL RESULTS

Description: 8202-GGIOutfall1

Lab Sample ID: CF06099-06

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 16:14

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	59	1	50.0	117 %	53-136	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Dibromofluoromethane	51	1	50.0	103 %	67-129	2E18024	EPA 8260D	05/19/22 05:13	RKY	
Toluene-d8	56	1	50.0	112 %	59-134	2E18024	EPA 8260D	05/19/22 05:13	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:16	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Barium [7440-39-3]^	237		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Beryllium [7440-41-7]^	0.223	J	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Cobalt [7440-48-4]^	2.20	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:16	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 11:03	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 18:10	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Toluene-d8	4.8	1	5.00	97 %	75-125	2E17039	EPA 8260D	05/17/22 18:10	KKW		

ANALYTICAL RESULTS

Description: 8202-GGIOutfall2

Lab Sample ID: CF06099-07

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 16:40

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E16030	EPA 8260D	05/17/22 04:14	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	QV-01
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E16030	EPA 8260D	05/17/22 04:14	RKY	

ANALYTICAL RESULTS

Description: 8202-GGIOutfall2

Lab Sample ID: CF06099-07

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 16:40

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	51	1	50.0	101 %	53-136	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Dibromofluoromethane	49	1	50.0	97 %	67-129	2E16030	EPA 8260D	05/17/22 04:14	RKY	
Toluene-d8	50	1	50.0	101 %	59-134	2E16030	EPA 8260D	05/17/22 04:14	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:20	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Barium [7440-39-3]^	71.0		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Cobalt [7440-48-4]^	1.42	J	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:20	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 11:06	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 18:36	KKW	

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Toluene-d8	4.7	1	5.00	94 %	75-125	2E17039	EPA 8260D	05/17/22 18:36	KKW	

ANALYTICAL RESULTS

Description: 8202-Field Blank

Lab Sample ID: CF06099-08

Received: 05/12/22 14:22

Matrix: Water

Sampled: 05/12/22 10:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	QL-02, QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E19031	EPA 8260D	05/20/22 06:32	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E19031	EPA 8260D	05/20/22 06:32	RKY	QV-01
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	QL-02
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Methylene chloride [75-09-2]^	0.92	J	ug/L	1	0.23	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	J-02, O-01
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	QV-01
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	QV-01

ANALYTICAL RESULTS

Description: 8202-Field Blank

Lab Sample ID: CF06099-08

Received: 05/12/22 14:22

Matrix: Water

Sampled: 05/12/22 10:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E19031	EPA 8260D	05/20/22 06:32	RKY	

Surrogates

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	52	1	50.0	104 %	53-136	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Dibromofluoromethane	51	1	50.0	102 %	67-129	2E19031	EPA 8260D	05/20/22 06:32	RKY	
Toluene-d8	51	1	50.0	102 %	59-134	2E19031	EPA 8260D	05/20/22 06:32	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:24	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Barium [7440-39-3]^	1.10	U	ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:24	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 11:08	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 19:01	KKW	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Toluene-d8	4.7	1	5.00	94 %	75-125	2E17039	EPA 8260D	05/17/22 19:01	KKW	

ANALYTICAL RESULTS

Description: 8202-SW1

Lab Sample ID: CF06099-09

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 15:11

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	A-07
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 05:41	RKY	

ANALYTICAL RESULTS

Description: 8202-SW1

Lab Sample ID: CF06099-09

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 15:11

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	60	1	50.0	120 %	53-136	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Dibromofluoromethane	53	1	50.0	107 %	67-129	2E18024	EPA 8260D	05/19/22 05:41	RKY	
Toluene-d8	57	1	50.0	115 %	59-134	2E18024	EPA 8260D	05/19/22 05:41	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:37	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Barium [7440-39-3]^	31.2		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:37	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 11:11	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 19:27	KKW	
<u>Surrogates</u>											
Toluene-d8	4.7	1	5.00	95 %	75-125		2E17039	EPA 8260D	05/17/22 19:27	KKW	

ANALYTICAL RESULTS

Description: 8202-SW4

Lab Sample ID: CF06099-10

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 15:46

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Toluene [108-88-3]^	5.0		ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	A-07
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 06:09	RKY	

ANALYTICAL RESULTS

Description: 8202-SW4

Lab Sample ID: CF06099-10

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 15:46

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
4-Bromofluorobenzene	60	1	50.0	119 %	53-136	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Dibromofluoromethane	53	1	50.0	106 %	67-129	2E18024	EPA 8260D	05/19/22 06:09	RKY	
Toluene-d8	57	1	50.0	114 %	59-134	2E18024	EPA 8260D	05/19/22 06:09	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:41	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Barium [7440-39-3]^	14.8		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:41	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	
Zinc [7440-66-6]^	7.89	J	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 11:13	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 19:53	KKW	

<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Toluene-d8	4.9	1	5.00	97 %	75-125	2E17039	EPA 8260D	05/17/22 19:53	KKW	

ANALYTICAL RESULTS

Description: 8202-SW5

Lab Sample ID: CF06099-11

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 10:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejeda

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	A-07

ANALYTICAL RESULTS

Description: 8202-SW5

Lab Sample ID: CF06099-11

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 10:30

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 06:37	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	58	1	50.0	116 %	53-136	2E18024	EPA 8260D	05/19/22 06:37	RKY		
Dibromofluoromethane	52	1	50.0	104 %	67-129	2E18024	EPA 8260D	05/19/22 06:37	RKY		
Toluene-d8	56	1	50.0	112 %	59-134	2E18024	EPA 8260D	05/19/22 06:37	RKY		

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:50	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Barium [7440-39-3]^	44.2		ug/L	1	1.10	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Nickel [7440-02-0]^	2.29	J	ug/L	1	2.20	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:50	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	
Zinc [7440-66-6]^	6.73	J	ug/L	1	4.40	10.0	2E13007	EPA 6010D	05/20/22 11:16	JDH	

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 20:19	KKW	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
Toluene-d8	4.6	1	5.00	93 %	75-125	2E17039	EPA 8260D	05/17/22 20:19	KKW		

ANALYTICAL RESULTS

Description: 8202-L1

Lab Sample ID: CF06099-12

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/12/22 11:02

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	8.5	UD	ug/L	50	8.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,1,1-Trichloroethane [71-55-6]^	6.0	UD	ug/L	50	6.0	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,1,2,2-Tetrachloroethane [79-34-5]^	14	UD	ug/L	50	14	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,1,2-Trichloroethane [79-00-5]^	7.0	UD	ug/L	50	7.0	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,1-Dichloroethane [75-34-3]^	6.5	UD	ug/L	50	6.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,1-Dichloroethene [75-35-4]^	10	UD	ug/L	50	10	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,2,3-Trichloropropane [96-18-4]^	12	UD	ug/L	50	12	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,2-Dibromo-3-chloropropane [96-12-8]^	24	UD	ug/L	50	24	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,2-Dibromoethane [106-93-4]^	33	UD	ug/L	50	33	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,2-Dichlorobenzene [95-50-1]^	9.5	UD	ug/L	50	9.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,2-Dichloroethane [107-06-2]^	10	UD	ug/L	50	10	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,2-Dichloropropane [78-87-5]^	5.0	UD	ug/L	50	5.0	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
1,4-Dichlorobenzene [106-46-7]^	9.5	UD	ug/L	50	9.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
2-Butanone [78-93-3]^	6200	BD	ug/L	50	65	250	2E25026	EPA 8260D	05/23/22 23:04	RKY	J-01, J-02, J-04
2-Hexanone [591-78-6]^	44	UD	ug/L	50	44	250	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
4-Methyl-2-pentanone [108-10-1]^	55	UD	ug/L	50	55	250	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Acetone [67-64-1]^	11000	D	ug/L	50	500	1000	2E25026	EPA 8260D	05/23/22 23:04	RKY	
Acrylonitrile [107-13-1]^	180	UD	ug/L	50	180	500	2E19031	EPA 8260D	05/20/22 12:22	RKY	QV-01, R-04
Benzene [71-43-2]^	7.5	UD	ug/L	50	7.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Bromochloromethane [74-97-5]^	24	UD	ug/L	50	24	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Bromodichloromethane [75-27-4]^	8.5	UD	ug/L	50	8.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Bromoform [75-25-2]^	11	UD	ug/L	50	11	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Bromomethane [74-83-9]^	7.0	UD	ug/L	50	7.0	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Carbon disulfide [75-15-0]^	75	UD	ug/L	50	75	250	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Carbon tetrachloride [56-23-5]^	8.5	UD	ug/L	50	8.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Chlorobenzene [108-90-7]^	8.5	UD	ug/L	50	8.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Chloroethane [75-00-3]^	12	UD	ug/L	50	12	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Chloroform [67-66-3]^	9.0	UD	ug/L	50	9.0	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Chloromethane [74-87-3]^	6.5	UD	ug/L	50	6.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
cis-1,2-Dichloroethene [156-59-2]^	7.5	UD	ug/L	50	7.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	QL-02, R-04
cis-1,3-Dichloropropene [10061-01-5]^	10	UD	ug/L	50	10	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Dibromochloromethane [124-48-1]^	8.5	UD	ug/L	50	8.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Dibromomethane [74-95-3]^	14	UD	ug/L	50	14	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Ethylbenzene [100-41-4]^	6.5	UD	ug/L	50	6.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Iodomethane [74-88-4]^	85	UD	ug/L	50	85	250	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Methylene chloride [75-09-2]^	12	UD	ug/L	50	12	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	QL-02, R-04
Styrene [100-42-5]^	5.5	UD	ug/L	50	5.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Tetrachloroethene [127-18-4]^	8.5	UD	ug/L	50	8.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Toluene [108-88-3]^	28	JD	ug/L	50	7.0	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
trans-1,2-Dichloroethene [156-60-5]^	10	UD	ug/L	50	10	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
trans-1,3-Dichloropropene [10061-02-6]^	7.5	UD	ug/L	50	7.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
trans-1,4-Dichloro-2-butene [110-57-6]^	35	UD	ug/L	50	35	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Trichloroethene [79-01-6]^	7.5	UD	ug/L	50	7.5	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04

ANALYTICAL RESULTS

Description: 8202-L1

Lab Sample ID: CF06099-12

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/12/22 11:02

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4]^	12	UD	ug/L	50	12	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	QV-01, R-04
Vinyl acetate [108-05-4]^	48	UD	ug/L	50	48	250	2E19031	EPA 8260D	05/20/22 12:22	RKY	QV-01, R-04
Vinyl chloride [75-01-4]^	16	UD	ug/L	50	16	50	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Xylenes (Total) [1330-20-7]^	22	UD	ug/L	50	22	150	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04

Surrogates

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	52	1	50.0	103 %	53-136	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
4-Bromofluorobenzene	57	1	65.0	88 %	53-136	2E25026	EPA 8260D	05/23/22 23:04	RKY	
Dibromofluoromethane	51	1	50.0	102 %	67-129	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Dibromofluoromethane	68	1	65.0	105 %	67-129	2E25026	EPA 8260D	05/23/22 23:04	RKY	
Toluene-d8	50	1	50.0	99 %	59-134	2E19031	EPA 8260D	05/20/22 12:22	RKY	R-04
Toluene-d8	62	1	65.0	95 %	59-134	2E25026	EPA 8260D	05/23/22 23:04	RKY	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	87.5	D	ug/L	10	3.70	10.0	2E13009	EPA 6020B	05/18/22 13:55	JDH	R-01
Arsenic [7440-38-2]^	618	D	ug/L	5	38.0	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Barium [7440-39-3]^	285	D	ug/L	5	5.50	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Beryllium [7440-41-7]^	0.800	UD	ug/L	5	0.800	5.00	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Cadmium [7440-43-9]^	1.80	UD	ug/L	5	1.80	5.00	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Chromium [7440-47-3]^	795	D	ug/L	5	7.00	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Cobalt [7440-48-4]^	86.9	D	ug/L	5	7.00	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Copper [7440-50-8]^	258	D	ug/L	5	8.00	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Lead [7439-92-1]^	15.5	UD	ug/L	5	15.5	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Nickel [7440-02-0]^	298	D	ug/L	5	11.0	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Selenium [7782-49-2]^	31.0	UD	ug/L	5	31.0	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Silver [7440-22-4]^	9.50	UD	ug/L	5	9.50	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Thallium [7440-28-0]^	1.10	UD	ug/L	10	1.10	10.0	2E13009	EPA 6020B	05/18/22 13:55	JDH	R-01
Vanadium [7440-62-2]^	383	D	ug/L	5	7.00	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01
Zinc [7440-66-6]^	467	D	ug/L	5	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:16	JDH	R-01

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Biochemical Oxygen Demand^	3500		mg/L	1	2.0	2.0	2E12003	SM 5210 B-2011	05/12/22 11:06	JOC	
Chemical Oxygen Demand^	10000		mg/L	20	200	200	2E13011	SM 5220D-2011	05/13/22 12:44	JCO	
Nitrate as N [14797-55-8]	0.041	U	mg/L	1	0.041	0.10	[CALC]	EPA 353.2	05/19/22 12:25	MSE	
Nitrate/Nitrite as N^	0.22		mg/L	1	0.041	0.10	2E18021	EPA 353.2	05/19/22 12:25	MSE	
Nitrite as N [14797-65-0]^	0.20		mg/L	1	0.017	0.10	2E12031	EPA 353.2	05/12/22 17:21	MSE	
Phosphorus [7723-14-0]^	9.4	D	mg/L	10	0.25	1.0	2E17017	EPA 365.4	05/18/22 14:45	MSE	
Sulfate as SO4 [14808-79-8]^	1600000	D	ug/L	20	58000	100000	2E17010	EPA 300.0	05/18/22 02:19	CB	

ANALYTICAL RESULTS

Description: 8202-MW1N

Lab Sample ID: CF06099-13

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 12:19

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	A-07

ANALYTICAL RESULTS

Description: 8202-MW1N

Lab Sample ID: CF06099-13

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 12:19

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E18024	EPA 8260D	05/19/22 02:26	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	59	1	50.0	119 %	53-136	2E18024	EPA 8260D	05/19/22 02:26	RKY		
Dibromofluoromethane	48	1	50.0	96 %	67-129	2E18024	EPA 8260D	05/19/22 02:26	RKY		
Toluene-d8	55	1	50.0	110 %	59-134	2E18024	EPA 8260D	05/19/22 02:26	RKY		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.150	U	ug/L	1	0.150	0.200	2E20008	EPA 7470A	05/24/22 00:07	CPH	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 13:59	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Barium [7440-39-3]^	39.6		ug/L	1	1.10	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Chromium [7440-47-3]^	1.70	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Cobalt [7440-48-4]^	2.24	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Iron [7439-89-6]^	36.7	J	ug/L	1	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Manganese [7439-96-5]^	4.79	J	ug/L	1	1.50	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 13:59	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E16007	EPA 6010D	05/20/22 12:19	JDH	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]^	36000		ug/L	1	2200	5000	2E16012	EPA 300.0	05/16/22 17:18	CB	
Sulfate as SO4 [14808-79-8]^	69000		ug/L	1	2900	5000	2E16012	EPA 300.0	05/16/22 17:18	CB	
Total Alkalinity as CaCO3 [471-34-1]^	14000	U	ug/L	1	14000	15000	2E20015	EPA 310.2	05/20/22 11:33	MSE	
Total Dissolved Solids^	110000		ug/L	1	50000	50000	2E16016	SM 2540C-2011	05/16/22 17:30	DMJ	



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ANALYTICAL RESULTS

Description: 8202-MW1N

Lab Sample ID: CF06099-13

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 12:19

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 20:44	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Toluene-d8	5.0	1	5.00	100 %	75-125	2E17039	EPA 8260D	05/17/22 20:44	KKW		

ANALYTICAL RESULTS

Description: 8202-MW2N

Lab Sample ID: CF06099-14

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 13:18

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E13030	EPA 8260D	05/13/22 23:07	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	QV-01
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	

ANALYTICAL RESULTS

Description: 8202-MW2N

Lab Sample ID: CF06099-14

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 13:18

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E13030	EPA 8260D	05/13/22 23:07	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	48	1	50.0	95 %	53-136	2E13030	EPA 8260D	05/13/22 23:07	RKY		
Dibromofluoromethane	48	1	50.0	97 %	67-129	2E13030	EPA 8260D	05/13/22 23:07	RKY		
Toluene-d8	51	1	50.0	101 %	59-134	2E13030	EPA 8260D	05/13/22 23:07	RKY		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.150	U	ug/L	1	0.150	0.200	2E20008	EPA 7470A	05/24/22 00:09	CPH	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 14:04	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Barium [7440-39-3]^	139		ug/L	1	1.10	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Chromium [7440-47-3]^	1.44	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Cobalt [7440-48-4]^	1.91	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Iron [7439-89-6]^	24700		ug/L	1	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Manganese [7439-96-5]^	258		ug/L	1	1.50	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 14:04	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E16007	EPA 6010D	05/20/22 12:22	JDH	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]^	36000		ug/L	1	2200	5000	2E16012	EPA 300.0	05/16/22 18:01	CB	
Sulfate as SO4 [14808-79-8]^	31000		ug/L	1	2900	5000	2E16012	EPA 300.0	05/16/22 18:01	CB	
Total Alkalinity as CaCO3 [471-34-1]^	350000	D	ug/L	2	28000	30000	2E20015	EPA 310.2	05/20/22 11:34	MSE	
Total Dissolved Solids^	540000		ug/L	1	50000	50000	2E16016	SM 2540C-2011	05/16/22 17:30	DMJ	



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ANALYTICAL RESULTS

Description: 8202-MW2N

Lab Sample ID: CF06099-14

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 13:18

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	3.8		ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 21:10	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Toluene-d8	4.7	1	5.00	93 %	75-125	2E17039	EPA 8260D	05/17/22 21:10	KKW		

ANALYTICAL RESULTS

Description: 8202-MW3N

Lab Sample ID: CF06099-15

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 14:16

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E13030	EPA 8260D	05/13/22 23:36	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	QV-01
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	

ANALYTICAL RESULTS

Description: 8202-MW3N

Lab Sample ID: CF06099-15

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 14:16

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E13030	EPA 8260D	05/13/22 23:36	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	50	1	50.0	101 %	53-136	2E13030	EPA 8260D	05/13/22 23:36	RKY		
Dibromofluoromethane	49	1	50.0	99 %	67-129	2E13030	EPA 8260D	05/13/22 23:36	RKY		
Toluene-d8	50	1	50.0	100 %	59-134	2E13030	EPA 8260D	05/13/22 23:36	RKY		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.150	U	ug/L	1	0.150	0.200	2E20008	EPA 7470A	05/24/22 00:12	CPH	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 14:08	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Barium [7440-39-3]^	187		ug/L	1	1.10	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Chromium [7440-47-3]^	2.39	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Iron [7439-89-6]^	103		ug/L	1	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Manganese [7439-96-5]^	98.5		ug/L	1	1.50	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 14:08	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E16007	EPA 6010D	05/20/22 12:36	JDH	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]^	130000	D	ug/L	4	8700	20000	2E17010	EPA 300.0	05/18/22 02:33	CB	
Sulfate as SO4 [14808-79-8]^	250000	D	ug/L	4	12000	20000	2E17010	EPA 300.0	05/18/22 02:33	CB	
Total Alkalinity as CaCO3 [471-34-1]^	760000	D	ug/L	10	140000	150000	2E20015	EPA 310.2	05/20/22 11:34	MSE	
Total Dissolved Solids^	1300000		ug/L	1	50000	50000	2E16016	SM 2540C-2011	05/16/22 17:30	DMJ	



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ANALYTICAL RESULTS

Description: 8202-MW3N

Lab Sample ID: CF06099-15

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 14:16

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	5.2		ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 21:36	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Toluene-d8	4.9	1	5.00	97 %	75-125		2E17039	EPA 8260D	05/17/22 21:36	KKW	

ANALYTICAL RESULTS

Description: 8202-MW4N

Lab Sample ID: CF06099-16

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 09:53

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	

ANALYTICAL RESULTS

Description: 8202-MW4N

Lab Sample ID: CF06099-16

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 09:53

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E17030	EPA 8260D	05/18/22 11:23	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	58	1	50.0	115 %	53-136	2E17030	EPA 8260D	05/18/22 11:23	RKY		
Dibromofluoromethane	54	1	50.0	107 %	67-129	2E17030	EPA 8260D	05/18/22 11:23	RKY		
Toluene-d8	56	1	50.0	112 %	59-134	2E17030	EPA 8260D	05/18/22 11:23	RKY		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.150	U	ug/L	1	0.150	0.200	2E20008	EPA 7470A	05/24/22 00:20	CPH	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 14:12	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Barium [7440-39-3]^	28.3		ug/L	1	1.10	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Iron [7439-89-6]^	80.8		ug/L	1	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Manganese [7439-96-5]^	14.7		ug/L	1	1.50	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 14:12	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E16007	EPA 6010D	05/20/22 12:38	JDH	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]^	52000	D	ug/L	2	4400	10000	2E16012	EPA 300.0	05/16/22 18:30	CB	
Sulfate as SO4 [14808-79-8]^	130000	D	ug/L	2	5800	10000	2E16012	EPA 300.0	05/16/22 18:30	CB	
Total Alkalinity as CaCO3 [471-34-1]^	97000		ug/L	1	14000	15000	2E20015	EPA 310.2	05/20/22 11:36	MSE	
Total Dissolved Solids^	400000		ug/L	1	50000	50000	2E16016	SM 2540C-2011	05/16/22 17:30	DMJ	



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ANALYTICAL RESULTS

Description: 8202-MW4N

Lab Sample ID: CF06099-16

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 09:53

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.98	J	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 22:02	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Toluene-d8	4.8	1	5.00	96 %	75-125		2E17039	EPA 8260D	05/17/22 22:02	KKW	

ANALYTICAL RESULTS

Description: 8202-MW5AN

Lab Sample ID: CF06099-17

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 09:02

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	

ANALYTICAL RESULTS

Description: 8202-MW5AN

Lab Sample ID: CF06099-17

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 09:02

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E17030	EPA 8260D	05/18/22 11:51	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	60	1	50.0	119 %	53-136	2E17030	EPA 8260D	05/18/22 11:51	RKY		
Dibromofluoromethane	54	1	50.0	109 %	67-129	2E17030	EPA 8260D	05/18/22 11:51	RKY		
Toluene-d8	56	1	50.0	112 %	59-134	2E17030	EPA 8260D	05/18/22 11:51	RKY		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.150	U	ug/L	1	0.150	0.200	2E20008	EPA 7470A	05/24/22 00:22	CPH	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 14:16	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Barium [7440-39-3]^	54.5		ug/L	1	1.10	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Chromium [7440-47-3]^	1.96	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Cobalt [7440-48-4]^	2.90	J	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Copper [7440-50-8]^	1.60	U	ug/L	1	1.60	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Iron [7439-89-6]^	23.9	J	ug/L	1	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Manganese [7439-96-5]^	45.9		ug/L	1	1.50	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 14:16	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	
Zinc [7440-66-6]^	4.40	U	ug/L	1	4.40	10.0	2E16007	EPA 6010D	05/20/22 12:41	JDH	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]^	6700		ug/L	1	2200	5000	2E16012	EPA 300.0	05/16/22 18:44	CB	
Sulfate as SO4 [14808-79-8]^	7300		ug/L	1	2900	5000	2E16012	EPA 300.0	05/16/22 18:44	CB	
Total Alkalinity as CaCO3 [471-34-1]^	14000	U	ug/L	1	14000	15000	2E20015	EPA 310.2	05/20/22 11:37	MSE	
Total Dissolved Solids^	50000	U	ug/L	1	50000	50000	2E16016	SM 2540C-2011	05/16/22 17:30	DMJ	



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ANALYTICAL RESULTS

Description: 8202-MW5AN

Lab Sample ID: CF06099-17

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/11/22 09:02

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	1.1	J	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 22:27	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>		<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Toluene-d8	4.7	1	5.00	94 %	75-125		2E17039	EPA 8260D	05/17/22 22:27	KKW	

ANALYTICAL RESULTS

Description: 8202-MW5BN

Lab Sample ID: CF06099-18

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 15:23

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E13030	EPA 8260D	05/14/22 00:05	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	QV-01
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	

ANALYTICAL RESULTS

Description: 8202-MW5BN

Lab Sample ID: CF06099-18

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 15:23

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E13030	EPA 8260D	05/14/22 00:05	RKY	
Surrogates											
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	48	1	50.0	97 %	53-136	2E13030	EPA 8260D	05/14/22 00:05	RKY		
Dibromofluoromethane	49	1	50.0	98 %	67-129	2E13030	EPA 8260D	05/14/22 00:05	RKY		
Toluene-d8	51	1	50.0	102 %	59-134	2E13030	EPA 8260D	05/14/22 00:05	RKY		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.150	U	ug/L	1	0.150	0.200	2E20008	EPA 7470A	05/24/22 00:24	CPH	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0]^	0.740	U	ug/L	2	0.740	2.00	2E13009	EPA 6020B	05/18/22 14:22	JDH	
Arsenic [7440-38-2]^	7.60	U	ug/L	1	7.60	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Barium [7440-39-3]^	88.8		ug/L	1	1.10	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Beryllium [7440-41-7]^	0.160	U	ug/L	1	0.160	1.00	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Cadmium [7440-43-9]^	0.360	U	ug/L	1	0.360	1.00	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Chromium [7440-47-3]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Cobalt [7440-48-4]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Copper [7440-50-8]^	12.3		ug/L	1	1.60	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Iron [7439-89-6]^	1220		ug/L	1	22.0	50.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Lead [7439-92-1]^	3.10	U	ug/L	1	3.10	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Manganese [7439-96-5]^	48.9		ug/L	1	1.50	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Nickel [7440-02-0]^	2.20	U	ug/L	1	2.20	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Selenium [7782-49-2]^	6.20	U	ug/L	1	6.20	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Silver [7440-22-4]^	1.90	U	ug/L	1	1.90	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Thallium [7440-28-0]^	0.220	U	ug/L	2	0.220	2.00	2E13009	EPA 6020B	05/18/22 14:22	JDH	
Vanadium [7440-62-2]^	1.40	U	ug/L	1	1.40	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	
Zinc [7440-66-6]^	11.2		ug/L	1	4.40	10.0	2E16007	EPA 6010D	05/20/22 12:43	JDH	

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]^	13000		ug/L	1	2200	5000	2E16012	EPA 300.0	05/16/22 18:59	CB	
Sulfate as SO4 [14808-79-8]^	5500		ug/L	1	2900	5000	2E16012	EPA 300.0	05/16/22 18:59	CB	
Total Alkalinity as CaCO3 [471-34-1]^	14000	U	ug/L	1	14000	15000	2E20015	EPA 310.2	05/20/22 11:38	MSE	
Total Dissolved Solids^	50000	U	ug/L	1	50000	50000	2E16016	SM 2540C-2011	05/16/22 17:30	DMJ	



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ANALYTICAL RESULTS

Description: 8202-MW5BN

Lab Sample ID: CF06099-18

Received: 05/12/22 14:22

Matrix: Ground Water

Sampled: 05/10/22 15:23

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: Nicolas Tejada

Volatile Organic Compounds by GCMS SIM Isotope Dilution

^ - ENCO Orlando certified analyte [NC 424]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
1,4-Dioxane [123-91-1]^	0.80	U	ug/L	1	0.80	2.0	2E17039	EPA 8260D	05/17/22 22:53	KKW	
<u>Surrogates</u>	<u>Results</u>	<u>DF</u>	<u>Spike Lvl</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>	
Toluene-d8	4.7	1	5.00	94 %	75-125	2E17039	EPA 8260D	05/17/22 22:53	KKW		

ANALYTICAL RESULTS

Description: 8202-Trip Blank

Lab Sample ID: CF06099-19

Received: 05/12/22 14:22

Matrix: Water

Sampled: 05/10/22 12:19

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,1,1-Trichloroethane [71-55-6]^	0.12	U	ug/L	1	0.12	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.28	U	ug/L	1	0.28	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,1,2-Trichloroethane [79-00-5]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,1-Dichloroethane [75-34-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,1-Dichloroethene [75-35-4]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,2,3-Trichloropropane [96-18-4]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,2-Dibromo-3-chloropropane [96-12-8]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,2-Dibromoethane [106-93-4]^	0.66	U	ug/L	1	0.66	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,2-Dichlorobenzene [95-50-1]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,2-Dichloroethane [107-06-2]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,2-Dichloropropane [78-87-5]^	0.10	U	ug/L	1	0.10	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
1,4-Dichlorobenzene [106-46-7]^	0.19	U	ug/L	1	0.19	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
2-Butanone [78-93-3]^	1.3	U	ug/L	1	1.3	5.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	QV-01
2-Hexanone [591-78-6]^	0.88	U	ug/L	1	0.88	5.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
4-Methyl-2-pentanone [108-10-1]^	1.1	U	ug/L	1	1.1	5.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Acetone [67-64-1]^	10	U	ug/L	1	10	20	2E13030	EPA 8260D	05/13/22 18:46	RKY	QV-01
Acrylonitrile [107-13-1]^	3.5	U	ug/L	1	3.5	10	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Benzene [71-43-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Bromochloromethane [74-97-5]^	0.48	U	ug/L	1	0.48	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Bromodichloromethane [75-27-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Bromoform [75-25-2]^	0.22	U	ug/L	1	0.22	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Bromomethane [74-83-9]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Carbon disulfide [75-15-0]^	1.5	U	ug/L	1	1.5	5.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Carbon tetrachloride [56-23-5]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Chlorobenzene [108-90-7]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Chloroethane [75-00-3]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Chloroform [67-66-3]^	0.18	U	ug/L	1	0.18	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Chloromethane [74-87-3]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
cis-1,2-Dichloroethene [156-59-2]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
cis-1,3-Dichloropropene [10061-01-5]^	0.20	U	ug/L	1	0.20	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Dibromochloromethane [124-48-1]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Dibromomethane [74-95-3]^	0.27	U	ug/L	1	0.27	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Ethylbenzene [100-41-4]^	0.13	U	ug/L	1	0.13	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Iodomethane [74-88-4]^	1.7	U	ug/L	1	1.7	5.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Methylene chloride [75-09-2]^	0.23	U	ug/L	1	0.23	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Styrene [100-42-5]^	0.11	U	ug/L	1	0.11	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Tetrachloroethene [127-18-4]^	0.17	U	ug/L	1	0.17	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Tetrahydrofuran [109-99-9]^	0.53	U	ug/L	1	0.53	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	QV-01
Toluene [108-88-3]^	0.14	U	ug/L	1	0.14	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
trans-1,2-Dichloroethene [156-60-5]^	0.21	U	ug/L	1	0.21	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
trans-1,3-Dichloropropene [10061-02-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
trans-1,4-Dichloro-2-butene [110-57-6]^	0.70	U	ug/L	1	0.70	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Trichloroethene [79-01-6]^	0.15	U	ug/L	1	0.15	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Trichlorofluoromethane [75-69-4]^	0.24	U	ug/L	1	0.24	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
Vinyl acetate [108-05-4]^	0.95	U	ug/L	1	0.95	5.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	QV-01
Vinyl chloride [75-01-4]^	0.32	U	ug/L	1	0.32	1.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	

ANALYTICAL RESULTS

Description: 8202-Trip Blank

Lab Sample ID: CF06099-19

Received: 05/12/22 14:22

Matrix: Water

Sampled: 05/10/22 12:19

Work Order: CF06099

Project: Sampson Co.-Active.

Sampled By: ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Xylenes (Total) [1330-20-7]^	0.45	U	ug/L	1	0.45	3.0	2E13030	EPA 8260D	05/13/22 18:46	RKY	
<u>Surrogates</u>											
<i>4-Bromofluorobenzene</i>	<i>46</i>	<i>1</i>	<i>50.0</i>	<i>92 %</i>	<i>53-136</i>		<i>2E13030</i>	<i>EPA 8260D</i>	<i>05/13/22 18:46</i>	<i>RKY</i>	
<i>Dibromofluoromethane</i>	<i>45</i>	<i>1</i>	<i>50.0</i>	<i>90 %</i>	<i>67-129</i>		<i>2E13030</i>	<i>EPA 8260D</i>	<i>05/13/22 18:46</i>	<i>RKY</i>	
<i>Toluene-d8</i>	<i>50</i>	<i>1</i>	<i>50.0</i>	<i>99 %</i>	<i>59-134</i>		<i>2E13030</i>	<i>EPA 8260D</i>	<i>05/13/22 18:46</i>	<i>RKY</i>	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E13030 - EPA 5030B_MS

Blank (2E13030-BLK1)

Prepared: 05/13/2022 15:00 Analyzed: 05/13/2022 18:17

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.53	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	49			ug/L	50.0		98	53-136			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E13030 - EPA 5030B_MS - Continued

Blank (2E13030-BLK1) Continued

Prepared: 05/13/2022 15:00 Analyzed: 05/13/2022 18:17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dibromofluoromethane	47			ug/L	50.0		95	67-129			
Toluene-d8	48			ug/L	50.0		97	59-134			

LCS (2E13030-BS1)

Prepared: 05/13/2022 15:00 Analyzed: 05/13/2022 16:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		104	75-133			
Benzene	21		1.0	ug/L	20.0		105	80-134			
Chlorobenzene	17		1.0	ug/L	20.0		86	80-120			
Toluene	18		1.0	ug/L	20.0		89	71-120			
Trichloroethene	20		1.0	ug/L	20.0		100	74-120			

Matrix Spike (2E13030-MS1)

Prepared: 05/13/2022 15:00 Analyzed: 05/13/2022 16:49

Source: CF06681-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.21 U	115	75-133			
Benzene	22		1.0	ug/L	20.0	0.15 U	111	80-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	92	80-120			
Toluene	19		1.0	ug/L	20.0	0.14 U	96	71-120			
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	111	74-120			

Matrix Spike Dup (2E13030-MSD1)

Prepared: 05/13/2022 15:00 Analyzed: 05/13/2022 17:18

Source: CF06681-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	105	75-133	10	20	
Benzene	22		1.0	ug/L	20.0	0.15 U	109	80-134	2	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	88	80-120	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	91	71-120	5	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	106	74-120	5	22	

Batch 2E16030 - EPA 5030B_MS

Blank (2E16030-BLK1)

Prepared: 05/16/2022 16:00 Analyzed: 05/16/2022 19:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12		1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							

QUALITY CONTROL DATA
Volatile Organic Compounds by GCMS - Quality Control

Batch 2E16030 - EPA 5030B_MS - Continued

Blank (2E16030-BLK1) Continued

Prepared: 05/16/2022 16:00 Analyzed: 05/16/2022 19:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.53	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
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4-Bromofluorobenzene	47			ug/L	50.0		94	53-136			
Dibromofluoromethane	50			ug/L	50.0		99	67-129			
Toluene-d8	49			ug/L	50.0		97	59-134			

LCS (2E16030-BS1)

Prepared: 05/16/2022 16:00 Analyzed: 05/16/2022 17:37

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	75-133			
Benzene	21		1.0	ug/L	20.0		103	80-134			
Chlorobenzene	18		1.0	ug/L	20.0		88	80-120			
Toluene	17		1.0	ug/L	20.0		86	71-120			
Trichloroethene	21		1.0	ug/L	20.0		105	74-120			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E16030 - EPA 5030B_MS - Continued

Matrix Spike (2E16030-MS1)

Prepared: 05/16/2022 16:00 Analyzed: 05/16/2022 18:06

Source: CF06816-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	100	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	95	80-134			
Chlorobenzene	17		1.0	ug/L	20.0	0.17 U	83	80-120			
Toluene	16		1.0	ug/L	20.0	0.14 U	82	71-120			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	101	74-120			

Matrix Spike Dup (2E16030-MSD1)

Prepared: 05/16/2022 16:00 Analyzed: 05/16/2022 18:35

Source: CF06816-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.21 U	125	75-133	23	20	QM-11
Benzene	23		1.0	ug/L	20.0	0.15 U	116	80-134	20	17	QM-11
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	92	80-120	11	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-120	13	17	
Trichloroethene	24		1.0	ug/L	20.0	0.15 U	120	74-120	17	22	

Batch 2E17030 - EPA 5030B_MS

Blank (2E17030-BLK1)

Prepared: 05/17/2022 20:00 Analyzed: 05/18/2022 10:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E17030 - EPA 5030B_MS - Continued

Blank (2E17030-BLK1) Continued

Prepared: 05/17/2022 20:00 Analyzed: 05/18/2022 10:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.53	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
<i>4-Bromofluorobenzene</i>	<i>60</i>			<i>ug/L</i>	<i>50.0</i>		<i>120</i>	<i>53-136</i>			
<i>Dibromofluoromethane</i>	<i>54</i>			<i>ug/L</i>	<i>50.0</i>		<i>109</i>	<i>67-129</i>			
<i>Toluene-d8</i>	<i>57</i>			<i>ug/L</i>	<i>50.0</i>		<i>114</i>	<i>59-134</i>			

LCS (2E17030-BS1)

Prepared: 05/17/2022 20:00 Analyzed: 05/18/2022 08:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0		76	75-133			
Benzene	18		1.0	ug/L	20.0		89	80-134			
Chlorobenzene	20		1.0	ug/L	20.0		102	80-120			
Toluene	19		1.0	ug/L	20.0		95	71-120			
Trichloroethene	18		1.0	ug/L	20.0		92	74-120			

Matrix Spike (2E17030-MS1)

Prepared: 05/17/2022 20:00 Analyzed: 05/18/2022 09:04

Source: CF06100-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	85	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	94	80-134			
Chlorobenzene	22		1.0	ug/L	20.0	0.17 U	109	80-120			
Toluene	20		1.0	ug/L	20.0	0.14 U	102	71-120			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	101	74-120			

Matrix Spike Dup (2E17030-MSD1)

Prepared: 05/17/2022 20:00 Analyzed: 05/18/2022 09:31

Source: CF06100-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	87	75-133	2	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	96	80-134	2	17	
Chlorobenzene	23		1.0	ug/L	20.0	0.17 U	113	80-120	3	16	
Toluene	21		1.0	ug/L	20.0	0.14 U	105	71-120	3	17	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E17030 - EPA 5030B_MS - Continued

Matrix Spike Dup (2E17030-MSD1) Continued

Prepared: 05/17/2022 20:00 Analyzed: 05/18/2022 09:31

Source: CF06100-05

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	104	74-120	3	22	

Batch 2E18024 - EPA 5030B_MS

Blank (2E18024-BLK1)

Prepared: 05/18/2022 19:14 Analyzed: 05/19/2022 00:34

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.53	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E18024 - EPA 5030B_MS - Continued

Blank (2E18024-BLK1) Continued

Prepared: 05/18/2022 19:14 Analyzed: 05/19/2022 00:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
4-Bromofluorobenzene	60			ug/L	50.0		120	53-136			
Dibromofluoromethane	47			ug/L	50.0		94	67-129			
Toluene-d8	57			ug/L	50.0		113	59-134			

LCS (2E18024-BS1)

Prepared: 05/18/2022 19:14 Analyzed: 05/18/2022 22:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	12		1.0	ug/L	20.0		62	75-133			A-07
Benzene	17		1.0	ug/L	20.0		84	80-134			
Chlorobenzene	21		1.0	ug/L	20.0		104	80-120			
Toluene	19		1.0	ug/L	20.0		94	71-120			
Trichloroethene	19		1.0	ug/L	20.0		95	74-120			

Matrix Spike (2E18024-MS1)

Prepared: 05/18/2022 19:14 Analyzed: 05/18/2022 23:10

Source: CF06816-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	12		1.0	ug/L	20.0	0.21 U	60	75-133			QM-07
Benzene	16		1.0	ug/L	20.0	0.15 U	82	80-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	102	80-120			
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-120			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	94	74-120			

Matrix Spike Dup (2E18024-MSD1)

Prepared: 05/18/2022 19:14 Analyzed: 05/18/2022 23:38

Source: CF06816-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	12		1.0	ug/L	20.0	0.21 U	58	75-133	4	20	QM-07
Benzene	16		1.0	ug/L	20.0	0.15 U	80	80-134	2	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	104	80-120	2	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	92	71-120	2	17	
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	92	74-120	3	22	

Batch 2E19031 - EPA 5030B_MS

Blank (2E19031-BLK1)

Prepared: 05/19/2022 14:55 Analyzed: 05/20/2022 06:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E19031 - EPA 5030B_MS - Continued

Blank (2E19031-BLK1) Continued

Prepared: 05/19/2022 14:55 Analyzed: 05/20/2022 06:03

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
<i>4-Bromofluorobenzene</i>	<i>48</i>			<i>ug/L</i>	<i>50.0</i>		<i>96</i>	<i>53-136</i>			
<i>Dibromofluoromethane</i>	<i>48</i>			<i>ug/L</i>	<i>50.0</i>		<i>95</i>	<i>67-129</i>			
<i>Toluene-d8</i>	<i>49</i>			<i>ug/L</i>	<i>50.0</i>		<i>98</i>	<i>59-134</i>			

LCS (2E19031-BS1)

Prepared: 05/19/2022 14:55 Analyzed: 05/20/2022 04:07

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
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QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E19031 - EPA 5030B_MS - Continued

LCS (2E19031-BS1) Continued

Prepared: 05/19/2022 14:55 Analyzed: 05/20/2022 04:07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		124	75-133			
Benzene	23		1.0	ug/L	20.0		113	80-134			
Chlorobenzene	18		1.0	ug/L	20.0		92	80-120			
Toluene	20		1.0	ug/L	20.0		98	71-120			
Trichloroethene	23		1.0	ug/L	20.0		116	74-120			

Matrix Spike (2E19031-MS1)

Prepared: 05/19/2022 14:55 Analyzed: 05/20/2022 04:36

Source: CF06816-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.21 U	130	75-133			
Benzene	23		1.0	ug/L	20.0	0.15 U	115	80-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	80-120			
Toluene	20		1.0	ug/L	20.0	0.14 U	99	71-120			
Trichloroethene	24		1.0	ug/L	20.0	0.15 U	118	74-120			

Matrix Spike Dup (2E19031-MSD1)

Prepared: 05/19/2022 14:55 Analyzed: 05/20/2022 05:05

Source: CF06816-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.21 U	116	75-133	12	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	107	80-134	8	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	90	80-120	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	92	71-120	7	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	107	74-120	10	22	

Batch 2E25026 - EPA 5030B_MS

Blank (2E25026-BLK1)

Prepared: 05/23/2022 15:13 Analyzed: 05/23/2022 20:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	6.9		5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	10	U	20	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							

QB-02

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E25026 - EPA 5030B_MS - Continued

Blank (2E25026-BLK1) Continued

Prepared: 05/23/2022 15:13 Analyzed: 05/23/2022 20:13

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
<i>4-Bromofluorobenzene</i>	<i>58</i>			<i>ug/L</i>	<i>65.0</i>		<i>89</i>	<i>53-136</i>			
<i>Dibromofluoromethane</i>	<i>73</i>			<i>ug/L</i>	<i>65.0</i>		<i>112</i>	<i>67-129</i>			
<i>Toluene-d8</i>	<i>62</i>			<i>ug/L</i>	<i>65.0</i>		<i>95</i>	<i>59-134</i>			

LCS (2E25026-BS1)

Prepared: 05/23/2022 15:13 Analyzed: 05/23/2022 18:19

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	75-133			
Benzene	20		1.0	ug/L	20.0		102	80-134			
Chlorobenzene	20		1.0	ug/L	20.0		100	80-120			
Toluene	22		1.0	ug/L	20.0		108	71-120			
Trichloroethene	21		1.0	ug/L	20.0		104	74-120			

Matrix Spike (2E25026-MS1)

Prepared: 05/23/2022 15:13 Analyzed: 05/23/2022 18:47

Source: CF07871-08

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.21 U	118	75-133			
Benzene	22		1.0	ug/L	20.0	0.15 U	108	80-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	107	80-120			
Toluene	23		1.0	ug/L	20.0	0.14 U	115	71-120			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E25026 - EPA 5030B_MS - Continued

Matrix Spike (2E25026-MS1) Continued

Prepared: 05/23/2022 15:13 Analyzed: 05/23/2022 18:47

Source: CF07871-08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	111	74-120			

Matrix Spike Dup (2E25026-MSD1)

Prepared: 05/23/2022 15:13 Analyzed: 05/23/2022 19:16

Source: CF07871-08

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	107	75-133	10	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	99	80-134	9	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	80-120	8	16	
Toluene	21		1.0	ug/L	20.0	0.14 U	106	71-120	8	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	100	74-120	11	22	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2E20008 - EPA 245.1

Blank (2E20008-BLK1)

Prepared: 05/20/2022 06:31 Analyzed: 05/23/2022 23:31

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.150	U	0.200	ug/L							

LCS (2E20008-BS1)

Prepared: 05/20/2022 06:31 Analyzed: 05/23/2022 23:36

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.13		0.200	ug/L	5.00		103	80-120			

Matrix Spike (2E20008-MS1)

Prepared: 05/20/2022 06:31 Analyzed: 05/23/2022 23:39

Source: CF05758-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.26		0.200	ug/L	5.00	0.150 U	105	75-125			

Matrix Spike Dup (2E20008-MSD1)

Prepared: 05/20/2022 06:31 Analyzed: 05/23/2022 23:47

Source: CF05758-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.45		0.200	ug/L	5.00	0.150 U	109	75-125	4	25	

Post Spike (2E20008-PS1)

Prepared: 05/20/2022 06:31 Analyzed: 05/23/2022 23:50

Source: CF05758-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.57		0.200	ug/L	4.76	0.00295	117	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2E13007 - EPA 3005A

Blank (2E13007-BLK1)

Prepared: 05/13/2022 04:28 Analyzed: 05/20/2022 09:39

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	7.60	U	10.0	ug/L							

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2E13007 - EPA 3005A - Continued

Blank (2E13007-BLK1) Continued

Prepared: 05/13/2022 04:28 Analyzed: 05/20/2022 09:39

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Barium	1.10	U	10.0	ug/L							
Beryllium	0.160	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.40	U	10.0	ug/L							
Cobalt	1.40	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	3.10	U	10.0	ug/L							
Nickel	2.20	U	10.0	ug/L							
Selenium	6.20	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	4.40	U	10.0	ug/L							

LCS (2E13007-BS1)

Prepared: 05/13/2022 04:28 Analyzed: 05/20/2022 09:45

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Arsenic	218		10.0	ug/L	200		109	80-120			
Barium	219		10.0	ug/L	200		110	80-120			
Beryllium	21.2		1.00	ug/L	20.0		106	80-120			
Cadmium	21.8		1.00	ug/L	20.0		109	80-120			
Chromium	211		10.0	ug/L	200		106	80-120			
Cobalt	218		10.0	ug/L	200		109	80-120			
Copper	209		10.0	ug/L	200		104	80-120			
Lead	216		10.0	ug/L	200		108	80-120			
Nickel	219		10.0	ug/L	200		109	80-120			
Selenium	225		10.0	ug/L	200		112	80-120			
Silver	208		10.0	ug/L	200		104	80-120			
Vanadium	208		10.0	ug/L	200		104	80-120			
Zinc	223		10.0	ug/L	200		111	80-120			

Matrix Spike (2E13007-MS1)

Prepared: 05/13/2022 04:28 Analyzed: 05/20/2022 09:48

Source: CF06099-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Arsenic	211		10.0	ug/L	200	7.60 U	106	75-125			
Barium	528		10.0	ug/L	200	303	113	75-125			
Beryllium	21.0		1.00	ug/L	20.0	0.217	104	75-125			
Cadmium	21.4		1.00	ug/L	20.0	0.418	105	75-125			
Chromium	207		10.0	ug/L	200	1.40 U	103	75-125			
Cobalt	214		10.0	ug/L	200	2.56	106	75-125			
Copper	205		10.0	ug/L	200	1.60 U	102	75-125			
Lead	210		10.0	ug/L	200	3.10 U	105	75-125			
Nickel	215		10.0	ug/L	200	2.20 U	107	75-125			
Selenium	214		10.0	ug/L	200	6.20 U	107	75-125			
Silver	204		10.0	ug/L	200	1.90 U	102	75-125			
Vanadium	203		10.0	ug/L	200	1.40 U	102	75-125			
Zinc	223		10.0	ug/L	200	4.40 U	112	75-125			

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2E13007 - EPA 3005A - Continued

Matrix Spike Dup (2E13007-MSD1)

Prepared: 05/13/2022 04:28 Analyzed: 05/20/2022 09:50

Source: CF06099-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Arsenic	209		10.0	ug/L	200	7.60 U	104	75-125	1	20	
Barium	523		10.0	ug/L	200	303	110	75-125	0.9	20	
Beryllium	20.7		1.00	ug/L	20.0	0.217	102	75-125	2	20	
Cadmium	21.1		1.00	ug/L	20.0	0.418	103	75-125	2	20	
Chromium	205		10.0	ug/L	200	1.40 U	102	75-125	1	20	
Cobalt	212		10.0	ug/L	200	2.56	105	75-125	1	20	
Copper	204		10.0	ug/L	200	1.60 U	102	75-125	0.6	20	
Lead	207		10.0	ug/L	200	3.10 U	104	75-125	1	20	
Nickel	212		10.0	ug/L	200	2.20 U	106	75-125	2	20	
Selenium	216		10.0	ug/L	200	6.20 U	108	75-125	0.7	20	
Silver	203		10.0	ug/L	200	1.90 U	102	75-125	0.4	20	
Vanadium	203		10.0	ug/L	200	1.40 U	101	75-125	0.4	20	
Zinc	219		10.0	ug/L	200	4.40 U	110	75-125	2	20	

Post Spike (2E13007-PS1)

Prepared: 05/13/2022 04:28 Analyzed: 05/20/2022 09:53

Source: CF06099-01

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Arsenic	0.222		0.0100	mg/L	0.200	-0.000743	111	80-120			
Barium	0.532		0.0100	mg/L	0.200	0.303	115	80-120			
Beryllium	0.0223		0.00100	mg/L	0.0200	0.000217	110	80-120			
Cadmium	0.0225		0.00100	mg/L	0.0200	0.000418	110	80-120			
Chromium	0.218		0.0100	mg/L	0.200	0.000231	109	80-120			
Cobalt	0.225		0.0100	mg/L	0.200	0.00256	111	80-120			
Copper	0.218		0.0100	mg/L	0.200	0.000436	109	80-120			
Lead	0.220		0.0100	mg/L	0.200	2.83E-5	110	80-120			
Nickel	0.226		0.0100	mg/L	0.200	0.00145	112	80-120			
Selenium	0.227		0.0100	mg/L	0.200	-0.00628	113	80-120			
Silver	0.215		0.0100	mg/L	0.200	0.000489	107	80-120			
Vanadium	0.217		0.0100	mg/L	0.200	-0.000517	108	80-120			
Zinc	0.235		0.0100	mg/L	0.200	0.00361	116	80-120			

Batch 2E13009 - EPA 3005A

Blank (2E13009-BLK1)

Prepared: 05/13/2022 05:29 Analyzed: 05/18/2022 11:14

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	0.370	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2E13009-BS1)

Prepared: 05/13/2022 05:29 Analyzed: 05/18/2022 11:19

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
Antimony	20.4		1.00	ug/L	20.0		102	80-120			
Thallium	22.0		1.00	ug/L	20.0		110	80-120			

Matrix Spike (2E13009-MS1)

Prepared: 05/13/2022 05:29 Analyzed: 05/18/2022 11:27

Source: CF06099-03

<u>Analyte</u>	<u>Result</u>	<u>Flag</u>	<u>PQL</u>	<u>Units</u>	<u>Spike Level</u>	<u>Source Result</u>	<u>%REC</u>	<u>%REC Limits</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Notes</u>
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QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2E13009 - EPA 3005A - Continued

Matrix Spike (2E13009-MS1) Continued

Prepared: 05/13/2022 05:29 Analyzed: 05/18/2022 11:27

Source: CF06099-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	40.5		2.00	ug/L	40.0	0.740 U	101	75-125			
Thallium	43.1		2.00	ug/L	40.0	0.220 U	108	75-125			

Matrix Spike Dup (2E13009-MSD1)

Prepared: 05/13/2022 05:29 Analyzed: 05/18/2022 12:40

Source: CF06099-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	40.4		2.00	ug/L	40.0	0.740 U	101	75-125	0.3	20	
Thallium	42.9		2.00	ug/L	40.0	0.220 U	107	75-125	0.5	20	

Post Spike (2E13009-PS1)

Prepared: 05/13/2022 05:29 Analyzed: 05/18/2022 12:44

Source: CF06099-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	20.9		1.00	ug/L	20.0	-0.0808	105	75-125			
Thallium	22.7		1.00	ug/L	20.0	0.00814	113	75-125			

Batch 2E16007 - EPA 3005A

Blank (2E16007-BLK1)

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 11:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	7.60	U	10.0	ug/L							
Barium	1.10	U	10.0	ug/L							
Beryllium	0.160	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.40	U	10.0	ug/L							
Cobalt	1.40	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	3.10	U	10.0	ug/L							
Manganese	1.50	U	10.0	ug/L							
Nickel	2.20	U	10.0	ug/L							
Selenium	6.20	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	4.40	U	10.0	ug/L							

Blank (2E16007-BLK2)

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 11:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	7.60	U	10.0	ug/L							
Barium	1.10	U	10.0	ug/L							
Beryllium	0.160	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.40	U	10.0	ug/L							
Cobalt	1.40	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	3.10	U	10.0	ug/L							

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2E16007 - EPA 3005A - Continued

Blank (2E16007-BLK2) Continued

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 11:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Manganese	1.50	U	10.0	ug/L							
Nickel	2.20	U	10.0	ug/L							
Selenium	6.20	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	4.40	U	10.0	ug/L							

LCS (2E16007-BS1)

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 11:26

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	210		10.0	ug/L	200		105	80-120			
Barium	216		10.0	ug/L	200		108	80-120			
Beryllium	20.9		1.00	ug/L	20.0		105	80-120			
Cadmium	21.4		1.00	ug/L	20.0		107	80-120			
Chromium	209		10.0	ug/L	200		104	80-120			
Cobalt	215		10.0	ug/L	200		108	80-120			
Copper	207		10.0	ug/L	200		104	80-120			
Iron	1090		50.0	ug/L	1000		109	80-120			
Lead	209		10.0	ug/L	200		104	80-120			
Manganese	207		10.0	ug/L	200		104	80-120			
Nickel	216		10.0	ug/L	200		108	80-120			
Selenium	221		10.0	ug/L	200		110	80-120			
Silver	207		10.0	ug/L	200		103	80-120			
Vanadium	206		10.0	ug/L	200		103	80-120			
Zinc	219		10.0	ug/L	200		110	80-120			

Matrix Spike (2E16007-MS1)

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 11:59

Source: CF06100-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	217		10.0	ug/L	200	7.60 U	108	75-125			
Barium	223		10.0	ug/L	200	5.64	109	75-125			
Beryllium	21.4		1.00	ug/L	20.0	0.160 U	107	75-125			
Cadmium	21.9		1.00	ug/L	20.0	0.360 U	109	75-125			
Chromium	212		10.0	ug/L	200	1.40 U	106	75-125			
Cobalt	220		10.0	ug/L	200	1.40 U	110	75-125			
Copper	210		10.0	ug/L	200	1.60 U	105	75-125			
Iron	2290		50.0	ug/L	1000	1140	115	75-125			
Lead	212		10.0	ug/L	200	3.10 U	106	75-125			
Manganese	224		10.0	ug/L	200	11.7	106	75-125			
Nickel	220		10.0	ug/L	200	2.20 U	110	75-125			
Selenium	219		10.0	ug/L	200	6.20 U	110	75-125			
Silver	208		10.0	ug/L	200	1.90 U	104	75-125			
Vanadium	207		10.0	ug/L	200	1.40 U	104	75-125			
Zinc	226		10.0	ug/L	200	4.40 U	113	75-125			

Matrix Spike Dup (2E16007-MSD1)

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 12:01

Source: CF06100-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2E16007 - EPA 3005A - Continued

Matrix Spike Dup (2E16007-MSD1) Continued

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 12:01

Source: CF06100-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	221		10.0	ug/L	200	7.60 U	110	75-125	2	20	
Barium	227		10.0	ug/L	200	5.64	111	75-125	2	20	
Beryllium	21.8		1.00	ug/L	20.0	0.160 U	109	75-125	2	20	
Cadmium	22.3		1.00	ug/L	20.0	0.360 U	111	75-125	2	20	
Chromium	216		10.0	ug/L	200	1.40 U	108	75-125	2	20	
Cobalt	223		10.0	ug/L	200	1.40 U	112	75-125	2	20	
Copper	213		10.0	ug/L	200	1.60 U	107	75-125	2	20	
Iron	2320		50.0	ug/L	1000	1140	117	75-125	1	20	
Lead	216		10.0	ug/L	200	3.10 U	108	75-125	2	20	
Manganese	227		10.0	ug/L	200	11.7	108	75-125	1	20	
Nickel	225		10.0	ug/L	200	2.20 U	113	75-125	2	20	
Selenium	226		10.0	ug/L	200	6.20 U	113	75-125	3	20	
Silver	213		10.0	ug/L	200	1.90 U	107	75-125	3	20	
Vanadium	211		10.0	ug/L	200	1.40 U	105	75-125	2	20	
Zinc	230		10.0	ug/L	200	4.40 U	115	75-125	2	20	

Post Spike (2E16007-PS1)

Prepared: 05/16/2022 05:24 Analyzed: 05/20/2022 12:04

Source: CF06100-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.230		0.0100	mg/L	0.200	-0.00243	115	80-120			
Barium	0.232		0.0100	mg/L	0.200	0.00564	113	80-120			
Beryllium	0.0222		0.00100	mg/L	0.0200	4.24E-5	111	80-120			
Cadmium	0.0227		0.00100	mg/L	0.0200	0.000164	112	80-120			
Chromium	0.220		0.0100	mg/L	0.200	0.000175	110	80-120			
Cobalt	0.228		0.0100	mg/L	0.200	0.000768	114	80-120			
Copper	0.218		0.0100	mg/L	0.200	0.00123	108	80-120			
Iron	2.33		0.0500	mg/L	1.00	1.14	119	80-120			
Lead	0.223		0.0100	mg/L	0.200	-0.00152	111	80-120			
Manganese	0.233		0.0100	mg/L	0.200	0.0117	111	80-120			
Nickel	0.229		0.0100	mg/L	0.200	-0.000817	115	80-120			
Selenium	0.226		0.0100	mg/L	0.200	-0.00268	113	80-120			
Silver	0.212		0.0100	mg/L	0.200	0.000582	106	80-120			
Vanadium	0.215		0.0100	mg/L	0.200	-0.000367	107	80-120			
Zinc	0.238		0.0100	mg/L	0.200	0.00118	118	80-120			

Classical Chemistry Parameters - Quality Control

Batch 2E12003 - NO PREP

Blank (2E12003-BLK1)

Prepared & Analyzed: 05/12/2022 11:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2.0	U	2.0	mg/L							

LCS (2E12003-BS1)

Prepared & Analyzed: 05/12/2022 11:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	200		2.0	mg/L	198		101	85-115			

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2E12003 - NO PREP - Continued

Duplicate (2E12003-DUP1)

Prepared & Analyzed: 05/12/2022 11:06

Source: CF03138-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	620		2.0	mg/L		600			4	30	

Batch 2E12031 - NO PREP

Blank (2E12031-BLK1)

Prepared: 05/12/2022 15:36 Analyzed: 05/12/2022 17:17

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.017	U	0.10	mg/L							

LCS (2E12031-BS1)

Prepared: 05/12/2022 15:36 Analyzed: 05/12/2022 17:31

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00		103	90-110			

Matrix Spike (2E12031-MS1)

Prepared: 05/12/2022 15:36 Analyzed: 05/12/2022 17:19

Source: CF06100-17

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.94		0.10	mg/L	1.00	0.017 U	94	90-110			

Matrix Spike Dup (2E12031-MSD1)

Prepared: 05/12/2022 15:36 Analyzed: 05/12/2022 17:20

Source: CF06100-17

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.95		0.10	mg/L	1.00	0.017 U	95	90-110	0.8	10	

Batch 2E13011 - Same

Blank (2E13011-BLK1)

Prepared: 05/13/2022 09:52 Analyzed: 05/13/2022 12:44

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	10	U	10	mg/L							

LCS (2E13011-BS1)

Prepared: 05/13/2022 09:52 Analyzed: 05/13/2022 12:44

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	510		10	mg/L	500		102	90-110			

Matrix Spike (2E13011-MS1)

Prepared: 05/13/2022 09:52 Analyzed: 05/13/2022 12:44

Source: CF03168-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	550		10	mg/L	526	17	102	90-110			

Matrix Spike Dup (2E13011-MSD1)

Prepared: 05/13/2022 09:52 Analyzed: 05/13/2022 12:44

Source: CF03168-02

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	550		10	mg/L	526	17	101	90-110	0.8	5	

Batch 2E16012 - NO PREP

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2E16012 - NO PREP - Continued

Blank (2E16012-BLK1)

Prepared: 05/16/2022 09:08 Analyzed: 05/16/2022 11:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	2200	U	5000	ug/L							
Sulfate as SO4	2900	U	5000	ug/L							

LCS (2E16012-BS1)

Prepared: 05/16/2022 09:08 Analyzed: 05/16/2022 13:26

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48000		5000	ug/L	50000		95	90-110			
Sulfate as SO4	46000		5000	ug/L	50000		92	90-110			

Matrix Spike (2E16012-MS1)

Prepared: 05/16/2022 09:08 Analyzed: 05/16/2022 12:28

Source: CF05459-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	31000		5000	ug/L	20000	14000	86	90-110			QM-07
Sulfate as SO4	24000		5000	ug/L	20000	9100	76	90-110			QM-07

Matrix Spike (2E16012-MS2)

Prepared: 05/16/2022 09:08 Analyzed: 05/16/2022 13:40

Source: CF05459-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	26000		5000	ug/L	20000	8800	85	90-110			QM-07
Sulfate as SO4	29000		5000	ug/L	20000	12000	82	90-110			QM-07

Matrix Spike Dup (2E16012-MSD1)

Prepared: 05/16/2022 09:08 Analyzed: 05/16/2022 12:57

Source: CF05459-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	34000		5000	ug/L	20000	14000	99	90-110	8	10	
Sulfate as SO4	27000		5000	ug/L	20000	9100	89	90-110	10	10	QM-07, QM-11

Batch 2E16016 - NO PREP

Blank (2E16016-BLK1)

Prepared & Analyzed: 05/16/2022 17:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	50000	U	50000	ug/L							

LCS (2E16016-BS1)

Prepared & Analyzed: 05/16/2022 17:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	950		50	mg/L	1000		95	80-120			

Duplicate (2E16016-DUP1)

Prepared & Analyzed: 05/16/2022 17:30

Source: CF05136-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2700000		100000	ug/L		2600000			0.5	20	

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2E16016 - NO PREP - Continued

Duplicate (2E16016-DUP2)

Prepared & Analyzed: 05/16/2022 17:30

Source: CF05136-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2400000		100000	ug/L		2400000			1	20	

Batch 2E17010 - NO PREP

Blank (2E17010-BLK1)

Prepared: 05/17/2022 09:34 Analyzed: 05/17/2022 19:33

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	2200	U	5000	ug/L							
Sulfate as SO4	2900	U	5000	ug/L							

LCS (2E17010-BS1)

Prepared: 05/17/2022 09:34 Analyzed: 05/17/2022 19:48

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	47000		5000	ug/L	50000		95	90-110			
Sulfate as SO4	46000		5000	ug/L	50000		92	90-110			

Matrix Spike (2E17010-MS1)

Prepared: 05/17/2022 09:34 Analyzed: 05/17/2022 20:17

Source: CF05758-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110000	E	5000	ug/L	20000	99000	81	90-110			QM-07
Sulfate as SO4	34000		5000	ug/L	20000	19000	76	90-110			QM-07

Matrix Spike (2E17010-MS2)

Prepared: 05/17/2022 09:34 Analyzed: 05/17/2022 21:00

Source: CF05758-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	14000		5000	ug/L	20000	3500	53	90-110			QM-07
Sulfate as SO4	14000		5000	ug/L	20000	3900	51	90-110			QM-07

Matrix Spike Dup (2E17010-MSD1)

Prepared: 05/17/2022 09:34 Analyzed: 05/17/2022 20:31

Source: CF05758-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	110000	E	5000	ug/L	20000	99000	56	90-110	4	10	QM-07
Sulfate as SO4	29000		5000	ug/L	20000	19000	53	90-110	15	10	QM-07, QM-11

Batch 2E17017 - Same

Blank (2E17017-BLK1)

Prepared: 05/17/2022 10:32 Analyzed: 05/18/2022 13:30

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	0.025	U	0.10	mg/L							

LCS (2E17017-BS1)

Prepared: 05/17/2022 10:32 Analyzed: 05/18/2022 13:31

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	1.6		0.10	mg/L	1.60		98	80-120			

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2E17017 - Same - Continued

Matrix Spike (2E17017-MS1)

Prepared: 05/17/2022 10:32 Analyzed: 05/18/2022 13:34

Source: CF05699-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	6.7	D	0.50	mg/L	0.640	6.3	69	80-120			QM-07

Matrix Spike Dup (2E17017-MSD1)

Prepared: 05/17/2022 10:32 Analyzed: 05/18/2022 13:35

Source: CF05699-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	6.9	D	0.50	mg/L	0.640	6.3	93	80-120	2	25	

Batch 2E18021 - NO PREP

Blank (2E18021-BLK1)

Prepared: 05/18/2022 16:42 Analyzed: 05/19/2022 11:52

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.041	U	0.10	mg/L							

LCS (2E18021-BS1)

Prepared: 05/18/2022 16:42 Analyzed: 05/19/2022 11:54

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.3		0.10	mg/L	1.25		100	90-110			

Matrix Spike (2E18021-MS1)

Prepared: 05/18/2022 16:42 Analyzed: 05/19/2022 11:58

Source: CF04376-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.75		0.10	mg/L	0.521	0.21	104	90-110			

Matrix Spike (2E18021-MS2)

Prepared: 05/18/2022 16:42 Analyzed: 05/19/2022 12:03

Source: CF04376-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.56		0.10	mg/L	0.521	0.047	98	90-110			

Matrix Spike Dup (2E18021-MSD1)

Prepared: 05/18/2022 16:42 Analyzed: 05/19/2022 12:00

Source: CF04376-02

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.71		0.10	mg/L	0.521	0.21	95	90-110	6	10	

Batch 2E20015 - NO PREP

Blank (2E20015-BLK1)

Prepared: 05/20/2022 09:53 Analyzed: 05/20/2022 11:13

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	14000	U	15000	ug/L							

LCS (2E20015-BS1)

Prepared: 05/20/2022 09:53 Analyzed: 05/20/2022 11:14

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	100		15	mg/L	100		103	80-120			

QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 2E20015 - NO PREP - Continued

Matrix Spike (2E20015-MS1)

Prepared: 05/20/2022 09:53 Analyzed: 05/20/2022 11:15

Source: CF05136-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	1000000	D	150000	ug/L	189000	800000	112	80-120			

Matrix Spike Dup (2E20015-MSD1)

Prepared: 05/20/2022 09:53 Analyzed: 05/20/2022 11:16

Source: CF05136-03

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	980000	D	150000	ug/L	189000	800000	97	80-120	3	25	

Volatile Organic Compounds by GCMS SIM Isotope Dilution - Quality Control

Batch 2E17039 - EPA 5030B_MS

Blank (2E17039-BLK1)

Prepared: 05/17/2022 00:00 Analyzed: 05/17/2022 14:13

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dioxane	0.80	U	2.0	ug/L							
Toluene-d8	4.8			ug/L	5.00		97	75-125			

LCS (2E17039-BS1)

Prepared: 05/17/2022 00:00 Analyzed: 05/17/2022 13:48

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dioxane	25		2.0	ug/L	25.0		99	80-133			
Toluene-d8	4.6			ug/L	5.00		92	75-125			

Matrix Spike (2E17039-MS1)

Prepared: 05/17/2022 00:00 Analyzed: 05/17/2022 23:19

Source: AF03851-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dioxane	30		2.0	ug/L	25.0	3.9	105	80-133			
Toluene-d8	4.7			ug/L	5.00		94	75-125			

Matrix Spike Dup (2E17039-MSD1)

Prepared: 05/17/2022 00:00 Analyzed: 05/17/2022 23:44

Source: AF03851-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dioxane	30		2.0	ug/L	25.0	3.9	105	80-133	0.2	19	
Toluene-d8	4.7			ug/L	5.00		94	75-125			

FLAGS/NOTES AND DEFINITIONS

- B** The analyte was detected in the associated method blank.
- D** The sample was analyzed at dilution.
- J** The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
- U** The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
- E** The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- MRL** Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
- PQL** PQL: Practical Quantitation Limit. The PQL presented is the laboratory MRL.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence (85% or greater confidence) to make a "tentative identification".
- P** Greater than 25% concentration difference was observed between the primary and secondary GC column. The lower concentration is reported.
- [CALC]** Calculated analyte - MDL/MRL reported to the highest reporting limit of the component analyses.
- A-07** Analyte biased low in LCS but detected in the reporting limit standard. Since the analyte in the associated sample was not detected, there is no impact on data quality.
- J-01** Result may be biased high due to positive results in the associated method blank at a concentration above the MDL and/or greater than one-half the MRL.
- J-02** Result may be biased high. Associated laboratory control sample (LCS) exceeded the upper control limit.
- J-04** Result may be biased high. Associated calibration verification standard exceeded the upper control limit.
- O-01** This compound is a common laboratory contaminant.
- QB-02** The method blank contains analyte at a concentration above the MDL and/or greater than one-half the MRL. The analyte was not detected in the sample.
- QL-02** The associated laboratory control sample exhibited high bias; since the result is ND, there is no impact.
- QM-07** The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QM-11** Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
- QV-01** The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.
- R-01** The Reporting Limit for this analyte has been raised to account for matrix interference.
- R-04** The Reporting Limits for this analysis are elevated due to sample foaming.



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Client Name: **GFL Environmental - Sampson Co. (WA026)**
 Address: **5B Oak Branch Drive Greensboro, NC 27407**
 City/ST/Zip: **Greensboro, NC 27407**
 Tel: **(910) 525-4132** Fax: _____
 Project Number: **2013856022.100**
 Project Name/Desc: **Sampson Co.-Active.**
 PO # / Billing Info: **2019:**
 Reporting Contact: **Rachel Kirkman**
 Billing Contact: **Joe Smith**
 Site Location / Time Zone: **Roseboro, NC (EST)**

Sampler(s) Name, Affiliation (Print): **Nicolás Ayala Torres**
 Sampler(s) Signature: *[Signature]*

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260D Appendix 1	8260D Appendix 1, 8260D Extended	8260D Appendix 1, 8260D SIM ID	Ag,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Te,Tl,V,Zn	Ag,As,Ba,Be,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Te,Tl,V,Zn	Alkalinity 310,2,Chloride 300,TDS SM2540C	BOD SM5210B	COD SM5220D	Hg
	8202-MW100B	5/11/2022	1338	G	GW	1									
	8202-MW102A	---	---	---	GW	7	X		X	X					Not Sample
	8202-MW103A (MS/MSD)	---	---	---	GW	13	X		X	X					Not Sample
	8202-MW104	5/11/2022	1430	G	GW	7			X	X					
	8202-MW105A	5/12/2022	0854	1	GW	7			X	X					
	8202-MW106	5/11/2022	1340	---	GW	7			X	X					
	8202-MW107S	---	---	---	GW	7	X		X	X					Not Sample
	8202-MW108	5/12/2022	1007	G	GW	7			X	X					
	8202-GiOutfall1	5/11/2022	1614	1	GW	7			X	X					
	8202-GiOutfall2	5/11/2022	1640	1	GW	7			X	X					
	8202-Field Blank	5/11/2022	1030	---	WA	7			X	X					
	8202-S-W1	5/11/2022	1511	---	GW	7			X	X					

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. X Standard _____ Expedited _____ Due: ___/___/___

Lab Workorder: **CF06099**

Requested Analyses: Preservation (See Codes) (Combine as necessary)

Received By: *[Signature]* Date/Time: 5/12/2022 1418
 Received By: *[Signature]* Date/Time: 5/10/22 1422

Relinquished By: *[Signature]* Date/Time: 5/5/22
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Cooler #'s & Temps on Receipt: C-2085
 Condition Upon Receipt: X Acceptable _____ Unacceptable

Preservation: L-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)
 Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.



Client Name GFL Environmental - Sampson Co. (WA026)		Project Number 2013856022.100	
Address 5B Oak Branch Drive		Project Name/Desc Sampson Co.-Active.	
City/ST/Zip Greensboro, NC 27407	Fax	PO # / Billing Info 2019:	
Tel (910) 525-4132	Reporting Contact Rachel Kirkman	Billing Contact Joe Smith	
Sampler(s) Name, Affiliation (Print) Nicolas Tejeda	Site Location / Time Zone Roseboro, NC (EST)		
Sampler(s) Signature <i>[Signature]</i>			

Requested Turnaround Times
 Note: Rush requests subject to acceptance by the facility
 Standard
 Expedited
 Due ___/___/___
 Lab Workorder
CF06099

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Requested Analyses				Sample Comments
							Nitrite as N 353.2	NOX 353.2,P	Sulfate 300	Preservation (See Codes) (Combine as necessary)	
8202-MW100B		5/11/2022	1138	G	GW	1					
8202-MW102A					GW	7					Not Sample
8202-MW103A (MS/MSD)					GW	13					Not sample
8202-MW104		5/11/2022	1430	G	GW	7					
8202-MW105A		5/12/2022	0854		GW	7					
8202-MW106		5/11/2022	1340		GW	7					
8202-MW107S					GW	7					Not sample
8202-MW108		5/12/2022	1007	G	GW	7					
8202-GGIOutfall1		5/11/2022	1614		GW	7					
8202-GGIOutfall2		5/10/2022	1640		GW	7					
8202-Field Blank		5/12/2022	1030		WA	7					
8202-SW1		5/11/2022	1511		GW	7					

Sample Kit Prepared By _____ Date/Time _____
 Relinquished By *[Signature]* Date/Time 5/12/2022 1448
 Relinquished By _____ Date/Time _____
 Relinquished By _____ Date/Time _____
 Condition Upon Receipt: Acceptable Unacceptable
 Cooler #'s & Temps on Receipt: 108

Received By *Rachel L* Date/Time 5/12/2022 1422
 Received By _____ Date/Time _____
 Received By _____ Date/Time _____

Comments/Special Reporting Requirements
 - level 2 data report

Preservation: L-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)
 Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist



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 Cary, NC 27511
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Client Name GFL Environmental - Sampson Co. (WA026)		Project Number 2013856022.100	
Address 5B Oak Branch Drive		Project Name/Desc Sampson Co.-Active.	
City/ST/Zip Greensboro, NC 27407		PO # / Billing Info 2019:	
Tel (910) 525-4132	Fax	Reporting Contact Rachel Kirkman	
Sampler(s) Name, Affiliation (Print) Nicolas Fajuda-Torres		Billing Contact Joe Smith	
Sampler(s) Signature <i>[Signature]</i>		Site Location / Time Zone Roseboro, NC (Est)	

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)								Requested Turnaround Times		
							8260D Appendix 1, 8260D Extended	8260D Appendix 1, 8260D Extended SIM ID	Ag,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Ag,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2, Chloride 300, TDS SM2540C	BOD SM5210B	COD SM5220D	Hg			
8202-SW4		5/11/2022	1546	G	GW	7		X									
8202-SW5		5/11/2022	1030		GW	7	X										
8202-L1		5/12/2022	1102		GW	7	X										
8202-MW1N		5/10/2022	1219		GW	8	X			X							
8202-MW2N		5/10/2022	1318		GW	8	X			X							
8202-MW3N		5/10/2022	1416		GW	8	X			X							
8202-MW4N		5/11/2022	0953		GW	8	X			X							
8202-MW5AN		5/11/2022	0902		GW	8	X			X							
8202-MW5BN		5/10/2022	1523		GW	8	X			X							
8202-Trip Blank					WA	3		X									

Sample Kit Prepared By _____ Date/Time _____

Relinquished By *[Signature]* Date/Time **5/14/2022, 1418**

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Comments/Special Reporting Requirements
-level 2 data Report.

Received By *[Signature]* Date/Time **5/16/2022, 1422**

Received By _____ Date/Time _____

Received By _____ Date/Time _____

Condition Upon Receipt
Cooler #'s & Temps on Receipt _____
1.0° Acceptable Unacceptable

Sample Kit Prepared By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

Comments/Special Reporting Requirements

Received By _____ Date/Time _____

Received By _____ Date/Time _____

Received By _____ Date/Time _____

Condition Upon Receipt

1.0° Acceptable Unacceptable



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Client Name GFL Environmental - Sampson Co. (WAD26)		Project Number 2013856022.100	
Address 5E3 Oak Branch Drive		Project Name/Desc Sampson Co.-Active.	
City/ST/Zip Greensboro, NC 27407		PO # / Billing Info 2019:	
Tel (910) 525-4132		Reporting Contact Rachel Kirkman	
Fax		Billing Contact Joe Smith	
Sampler(s) Name, Affiliation (Print) Nicolas Topolovans		Site Location / Time Zone Roseboro, NC (EST)	
Sampler(s) Signature <i>[Signature]</i>			

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Requested Analyses	Preservation (See Codes) (Combine as necessary)	Sample Comments
8202-SW4		5/11/2022	1546	G	GW	7	Nitrite as N 353.2		
8202-SW5		5/11/2022	1036		GW	7	NOX 353.2,P		
8202-L1		5/12/2022	1102		GW	7	Sulfate 300		
8202-MW1N		5/10/2022	1219		GW	8			
8202-MW2N		5/10/2022	1318		GW	8			
8202-MW3N		5/11/2022	1416		GW	8			
8202-MW4N		5/11/2022	0953		GW	8			
8202-MW5AN		5/11/2022	0902		GW	8			
8202-MW5BN		5/11/2022	1523		GW	8			
8202-Trip Blank					WA	3			

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time	Requested Turnaround Times
		<i>[Signature]</i>		<i>[Signature]</i>	5/12/2022, 1418	Note: Rush requests subject to acceptance by the facility
Comments/Special Reporting Requirements		Cooler #'s & Temps on Receipt		Condition Upon Receipt		
-level 2 data Report				1.00		X Standard
				Steve 1422		___ Expedited
						Due ___/___/___
						Lab Workorder CF06099

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.
 Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)
 GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Sample Preservation Verification

ENCO Cary



Work Order: CF06099
 Client: GFL Environmental - Sampson Co. (WA026)
 Logged In: 12-May-22 15:33
 Preservation Check Performed By: SB

Project: Sampson Co.-Active.
 Project #: 2013856022.100
 Logged By: Samantha L Hyatt
 Date/Time: 5/12/22 1515

CF06099-10

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
A	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

CF06099-11

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
A	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

CF06099-12

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
C	250mLP+H2SO4	<2	Y / N / NA	Y / N / NA	5/12/22 1515	+2mL H2SO4 *
D	250mLP+HNO3	<2	Y / N / NA	Y / N / NA	↓	+2mL HNO3 *

CF06099-13

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
B	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

CF06099-14

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
B	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

CF06099-15

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
B	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

CF06099-16

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
B	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

CF06099-17

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
B	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

Sample Preservation Verification

ENCO Cary



Work Order: CF06099 Project: Sampson Co.-Active.
 Client: GFL Environmental - Sampson Co. (WA026) Project #: 2013856022.100
 Logged In: 12-May-22 15:33 Logged By: Samantha L Hyatt
 Preservation Check Performed By: SB Date/Time: 5/12/22 1515

CF06099-18

Cont	Type	Pres (pH) Requirement	pH Checked / In Control	pH Adjusted	Date/Time Adjusted	Reagent Used/Comments
B	250mLP+HNO3	<2	Y / N / NA	Y / N / NA		

	Reagent Name	ID
1	HNO3	C2D07A2
2	H2SO4	C2D07S2

	Reagent Name	ID
3		
4		

	Reagent Name	ID
5		
6		

pH Strip ID: C2A0640

CF06099

ENCO Cary

Sample Receipt Conditions

Client: GFL Environmental - Sampson Co. (WA026)	Lab Project Mgr: Amanda L. Gaines
Project: Sampson Co.-Active.	Project Number: 2013856022.100
PO #: 2019:	

Report To:	Invoice To:
GFL Environmental - Sampson Co. (WA026)	GFL Environmental - Sampson Co. (WA026)
Rachel Kirkman	Joe Smith
5B Oak Branch Drive	7434 Roseboro Highway
Greensboro, NC 27407	Roseboro, NC 28382
Phone: (910) 525-4132	Phone : (910) 525-4132
Fax:	Fax:

Received By:	Samantha L Hyatt	Date Received:	12-May-22 14:22
Logged In By:	Samantha L Hyatt	Date Logged In:	12-May-22 15:33

Work Order Comments:

C-101 received at 1.0°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	Y	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N	Received On Ice	Y
Temperature Corrected	Y								

Default Cooler

Containers Intact	N	Containers Properly Preserved	N	Proper Containers Received	N	All Samples in PreLog Received	N	COC/Labels Agree	N
Custody Seals Intact	N	Volatile Containers Preserved	N	Volatile Containers Headspace Free	N	Aqueous Samples Checked for Residual Cl	N	Received On Ice	N
Temperature Corrected	N								

**GOLDER ASSOCIATES NC, INC.
QUALITY ASSURANCE & QUALITY CONTROL
LABORATORY DATA REVIEW
Page 1 of 4**



Project Name: Sampson County Active MSW, C&D, SW, and Leachate

Project Reference Number: 2013856022.100

Sampling Event Date: May 10-12, 2022

Review Date: June 7, 2022

Report #: CF06099

Initials: NTT

Review: RPK

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.

Golder Associates NC, 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 C & D List (C&D wells)

NC Appendix I (MSW and SW)

NC Appendix I + Detects

NC Appendix II

NC Subtitle D Leachate List

Other: MW-100B sampled for NC Appendix I metals only.

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.

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).

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.

- **The 8260D Method Blank (MB) had a positive result for 2-Butanone; any reported result may be biased high. The LCS exhibited a low bias for 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 4-Methyl-2-pentanone, Methylene chloride, trans-1,2-Dichloroethene, and Vinyl chloride; however these analytes were detected in the CRL standard, verifying instrument sensitivity. The LCS exhibited a high bias for 2-Butanone, cis-1,2-Dichloroethene, and Methylene chloride; however, these analytes were not detected in the associated samples. The LCS exhibited a high bias for 2-Butanone and Methylene chloride; any reported result should be considered estimated. The Continuing Calibration Verification (CCV) exhibited a high bias for 2-Butanone, Acetone, Acrylonitrile, Chloroform, Tetrahydrofuran, Trichlorofluoromethane, and Vinyl acetate; however, these analytes were not detected in the associated samples. The CCV exhibited a high bias for 2-Butanone, any reported result should be considered estimated. The spike recovery for 1,1-Dichloroethene was outside control limits for the MS and MSD samples, the precision between duplicate spikes of 1,1-Dichloroethene and Benzene exceeded acceptance criteria. The QC batches were approved based on acceptable LCS recovery of these analytes.**
- **Methylene chloride, a common laboratory contaminant, was detected in the Field Blank; however, this analyte was not detected in the associated samples, reducing the impact of the deviation.**

NTT Surrogate recoveries are provided for each analytical method, where applicable.

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 spike recoveries for Chloride, Phosphorus, and Sulfate were outside control limits for the MS and/or MSD samples, the precision between duplicate spikes of Sulfate exceeded acceptance criteria. The QC batches were approved based on acceptable LCS recovery of these analytes.**

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 SW-846 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.

- **Method Blank: 2-Butanone: 6.9 ug/L**
- **Field Blank: Methylene Chloride: 0.92 ug/L (J)**
- **No flags needed**

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.

- **Antimony and Thallium (2x) for all monitoring points except leachate; L-1 (10x)**
- **Total Alkalinity as CaCO₃ - MW-2N (2x); MW-3N (10x)**
- **Sulfate as SO₄ - MW-3N (4x); MW-4N (2x); L-1(20x)**
- **Chloride - MW-3N (4x); MW-4N(2x)**
- **L-1 VOCs: (50x)**
- **L-1 Metals except Sb and Tl: (5x)**
- **L-1 COD: (20x)**
- **L-1 Phosphorus: (10x)**

NTT The report provides the reporting limit for each constituent.

NTT The results were reported at or below their proper reporting limits (e.g., MDLs). 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 dilutions.

NTT No inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards or Groundwater Protection Standards (GWPS) in wells or field/equipment/trip blanks or Surface Water Standards for surface points.

Cobalt (NC 2L = 1 ug/L, Proposed SSGPS = 94.2)

- **MW-100B @ 2.56 ug/L (J) - upgradient**
- **MW-104 @ 10.9 ug/L**
- **MW-106 @ 2.75 ug/L (J)**
- **MW-108 @ 18.4 ug/L**
- **MW-1N @ 2.24 ug/L (J)**
- **MW-2N @ 1.91 ug/L (J)**
- **MW-5AN @ 2.90 ug/L (J)**
- **GGI Outfall 1@ 2.20 ug/L (J)**
- **GGI Outfall 2@ 1.42 ug/L (J)**

Manganese (NC 2L = 50 ug/L; Proposed SSGPS = 792)

- **MW-2N @ 258 ug/L (ALT GPS = 396 ug/L)**
- **MW-3N @ 98.5 ug/L (ALT GPS = 703 ug/L)**

Iron (NC 2L = 300 ug/L; Proposed SSGPS = 77528)

- **MW-2N @ 24700 ug/L**
- **MW-5BN @ 1220 ug/L**

1,4-dioxane (NC 2L = 3 ug/L)

- MW-2N @ 3.8 ug/L
- MW-3N @ 5.2 ug/L

Sulfate (NC 2L = 250 ug/L; Proposed SSGPS = 602)

- MW-3N @ 250 ug/L

TDS (NC 2L = 500 mg/L; Proposed Site-Specific GPS = 1942)

- MW-2N @ 540 mg/L
- MW-3N @ 1300 mg/L

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).

- 1st time detection: Toluene @ MW-105A: 0.41 ug/L (J) and SW-4: 5.0 ug/L
- 1st exceedance: 1,4-Dioxane @ MW-2N: 3.8 ug/L

NTT Other report issues/Communications with laboratory/etc.:

- Sample 8202-L1 for 8260D was processed at a dilution due to matrix interference, resulting in elevated reporting limits.
- Sample 8202-L1 for Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc was processed at a dilution due to matrix interference, resulting in elevated reporting limits.

APPENDIX C
Summary of Statistically-Derived
Alternate Groundwater Protection
Standards

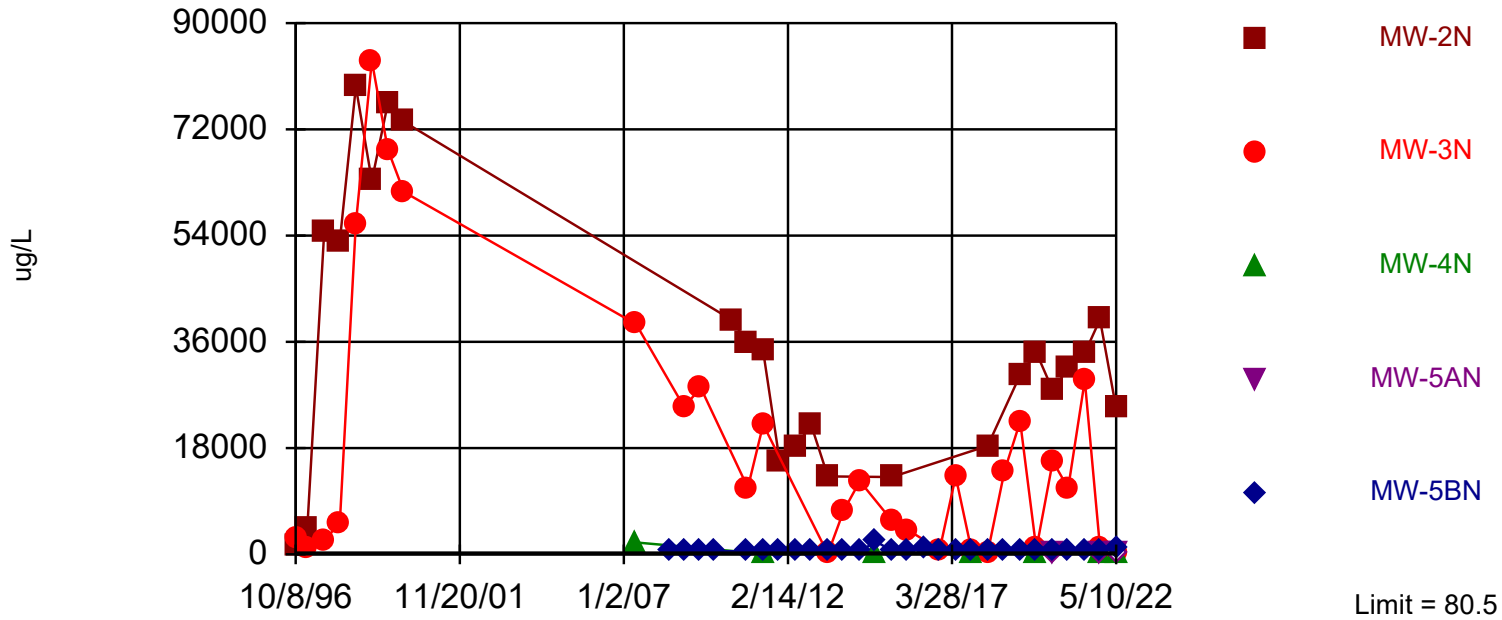
**Summary of Statistical Analysis
Sampson County Active Landfill, Permit No. 82-02
Sampson County, North Carolina**

May 2022									
Detected Monitoring Constituent	Reporting Units	Groundwater Standard	Downgradient Monitoring Well	Constituent Concentration	Previously Proposed GPS	Statistical Analysis		Newly Proposed Site-Wide GPS	Statistical Determination
		NC 2L				Interwell	Intrawell		
Active MSW Landfill									
Cobalt	ug/L	--	MW-104	10.9	58.8	10.0	62.0	94.2	Below Previously Proposed GPS
			MW-105A	ND	4.85		1.40		Below Previously Proposed GPS
			MW-106	2.75 J	4.85		1.40		Below Previously Proposed GPS
			MW-107S	--	177		94.2		Below Previously Proposed GPS
			MW-108	18.4	48.2		46.4		Below Previously Proposed GPS
			GGI Outfall 1	2.20 J	37.9		40.4		Below Previously Proposed GPS
			GGI Outfall 2	1.42 J	4.85		10.2		Below Previously Proposed GPS
Active C&D Landfill									
Iron	ug/L	300	MW-2N	24700	89743	80.5	62281	75528	Below Previously Proposed GPS
			MW-3N	103	79067		75528		Below Previously Proposed GPS
			MW-5BN	1220	3540		819		Below Previously Proposed GPS
Manganese	ug/L	50	MW-2N	258	396	55.5	401	792	Below Previously Proposed GPS
			MW-3N	98.5	703		792		Below Previously Proposed GPS
			MW-4N	14.7	38.1		129		Below Previously Proposed GPS
Sulfate	mg/L	250	MW-2N	31.0	146	61.8	110	602	Below Previously Proposed GPS
			MW-3N	250	210		292		Above Previously Proposed GPS; below Newly Proposed GPS
			MW-4N	130	226		602		Below Previously Proposed GPS
Total Dissolved Solids	mg/L	1000	MW-2N	540	671	231	702	1942	Below Previously Proposed GPS
			MW-3N	1300	1516		1942		Below Previously Proposed GPS
			MW-4N	400	758		1801		Below Previously Proposed GPS
			MW-5AN	ND	320		--		Below Previously Proposed GPS

- Notes:
1. Statistical worksheets are provided as Appendix C.
 2. ug/L = micrograms per liter
 3. mg/L - milligrams per liter
 4. NC 2L = North Carolina 2L Groundwater Standard
 5. GPS = Groundwater Protection Standard
 6. ND = not detected above laboratory detection limit
 7. J = estimated concentration below the Solid Waste Section Limit
 8. -- = not available

Exceeds Limit: MW-2N, MW-3N, MW-4N,
MW-5BN

Tolerance Limit Interwell Non-parametric



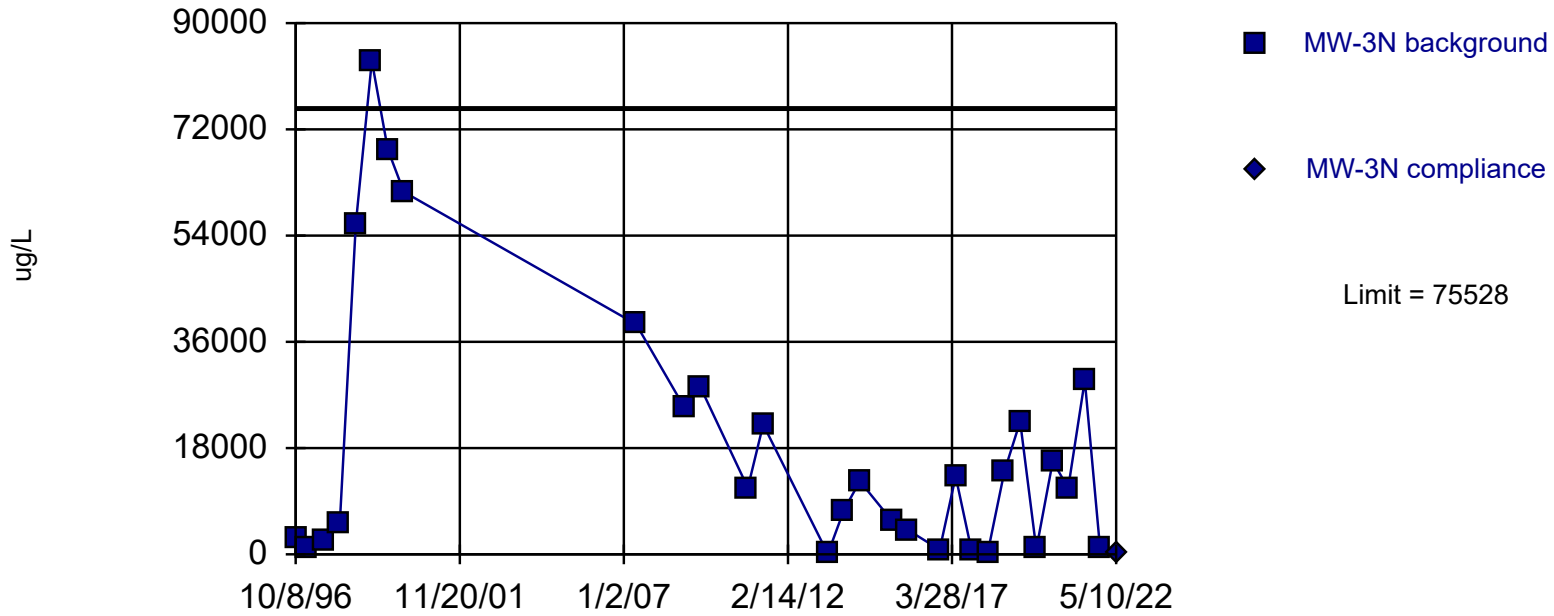
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Most recent observation is compared with limit. Limit is highest of 29 background values. 79.31% NDs. 85.35% coverage at alpha=0.01; 90.04% coverage at alpha=0.05; 97.46% coverage at alpha=0.5. Report alpha = 0.2259.

Constituent: Iron Analysis Run 7/7/2022 9:26 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=18841, Std. Dev.=22591, n=29. Seasonality was not detected with 95% confidence. Report alpha = 0.01. Most recent point compared to limit.

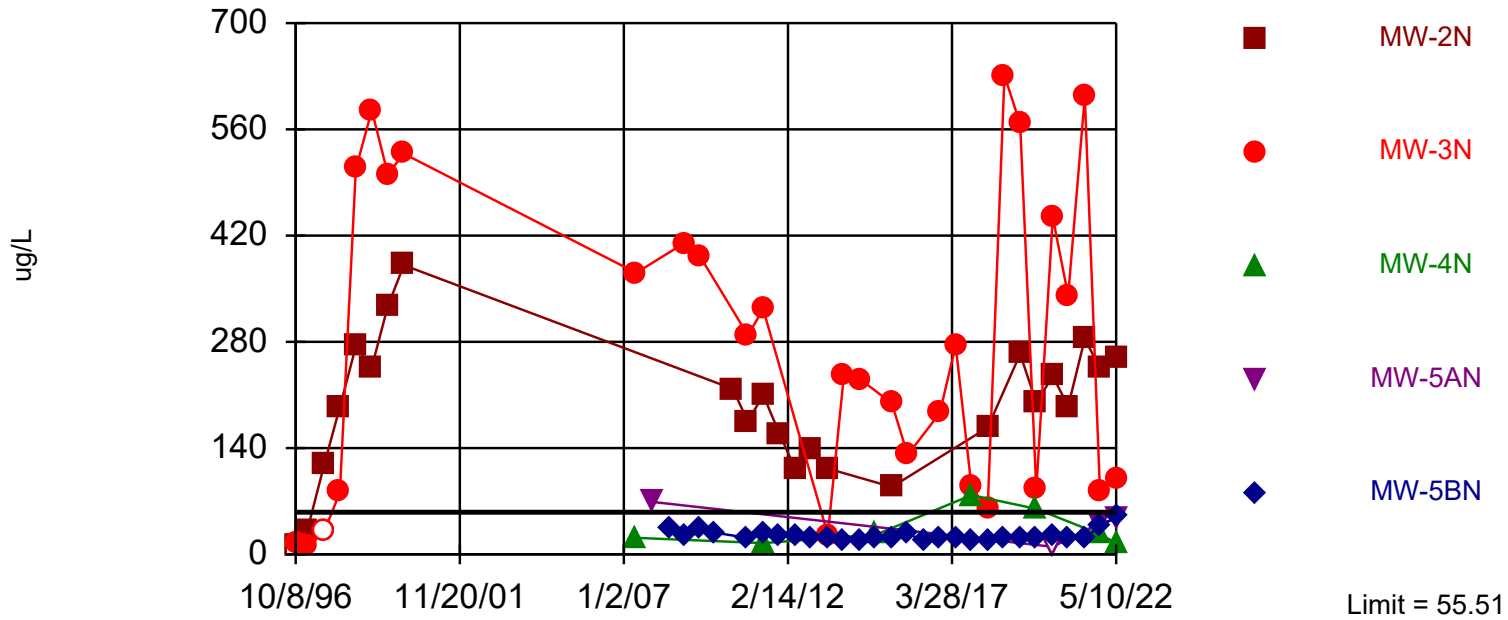
Constituent: Iron Analysis Run 7/7/2022 9:35 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Exceeds Limit: MW-2N, MW-3N

Prediction Limit

Interwell Parametric



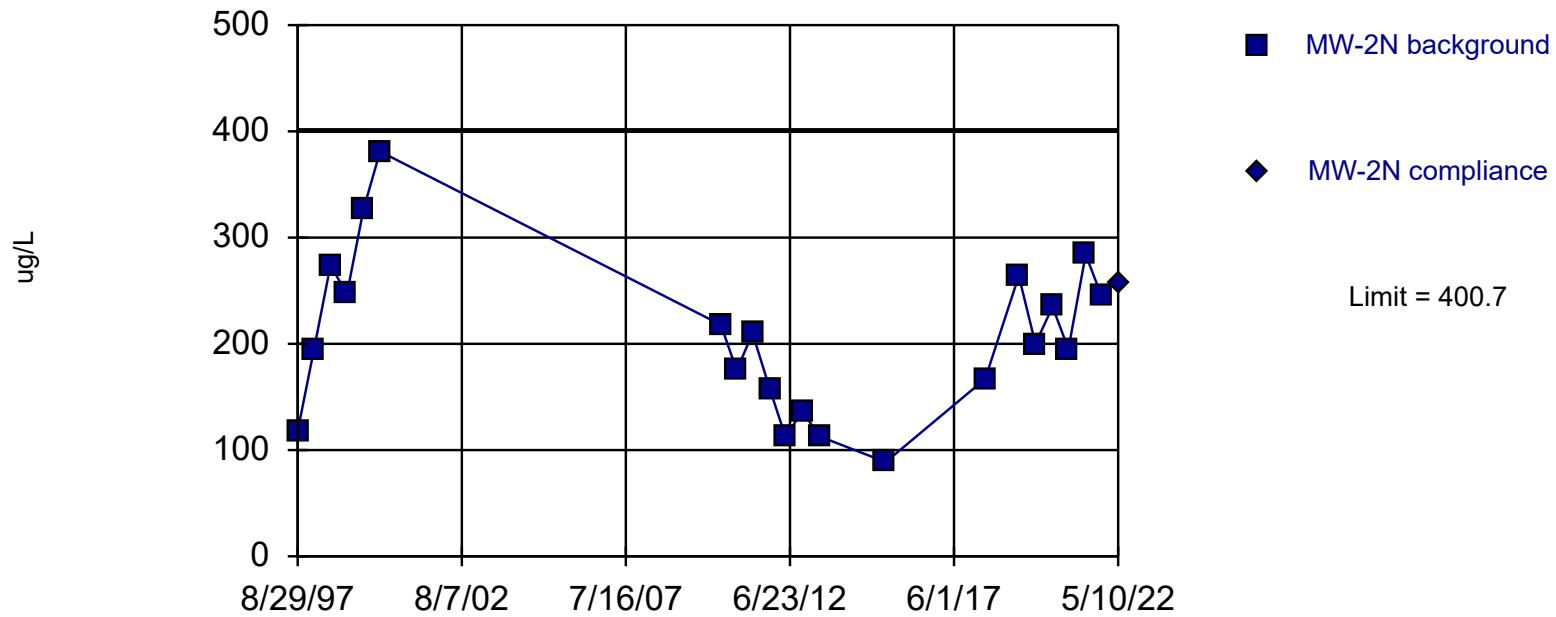
Background Data Summary (after Cohen`s Adjustment): Mean=23.94, Std. Dev.=12.64, n=31, 35.48% NDs. Seasonality was not detected with 95% confidence. Report alpha = 0.05. Individual comparison alpha = 0.01. Most recent point for each compliance well compared to limit.

Constituent: Manganese Analysis Run 7/7/2022 11:01 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=206.8, Std. Dev.=74.95, n=21. Seasonality was not detected with 95% confidence. Report alpha = 0.01. Most recent point compared to limit.

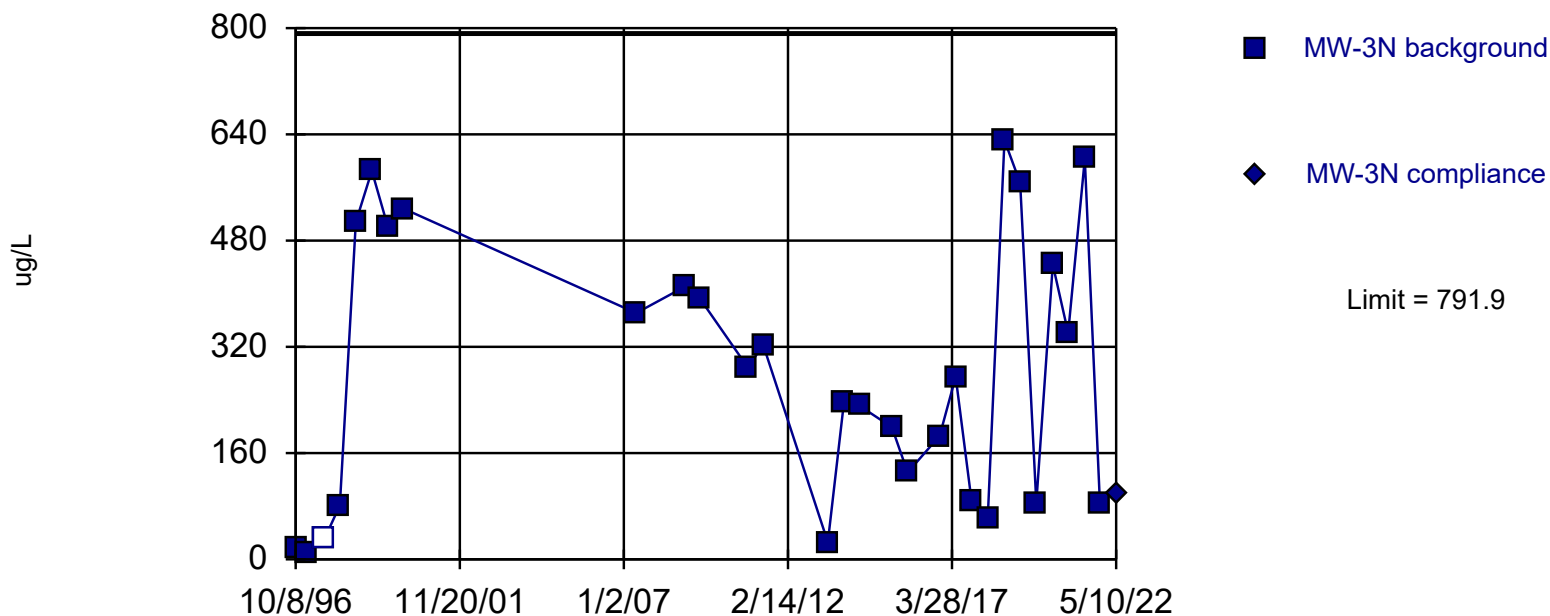
Constituent: Manganese Analysis Run 7/7/2022 9:45 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

Prediction Limit

Intrawell Parametric



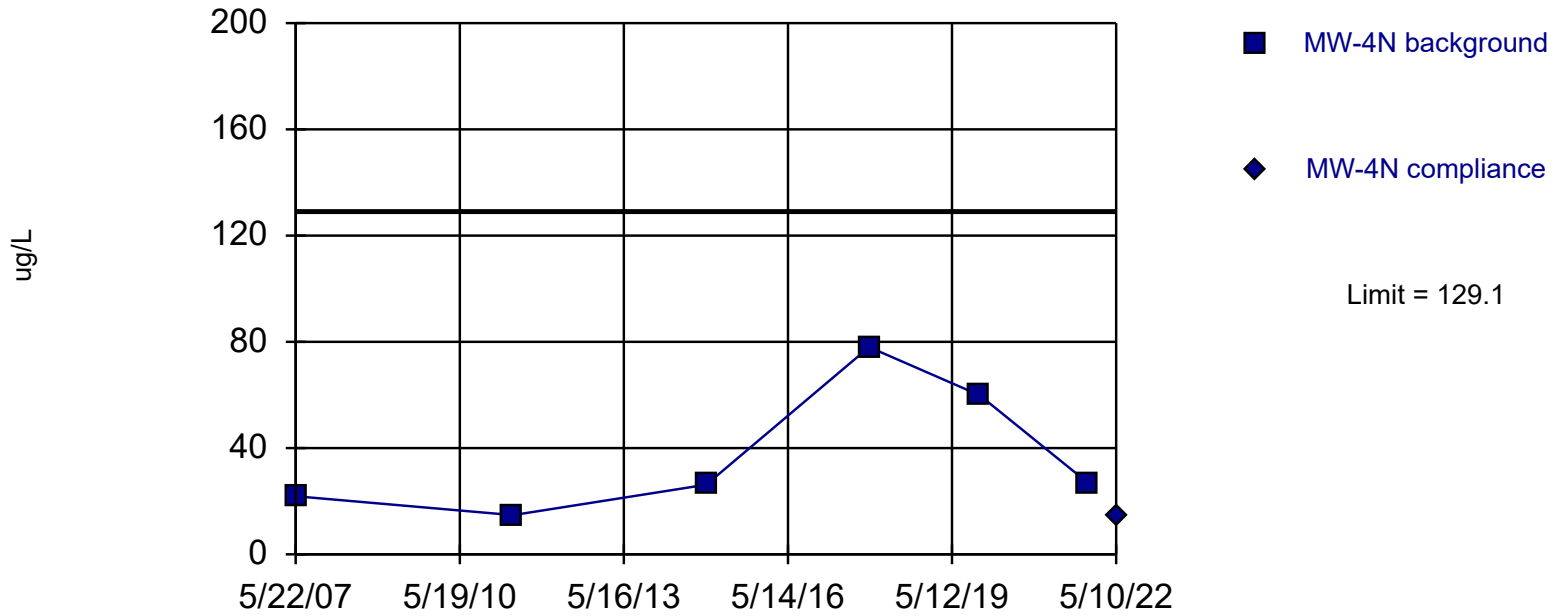
Background Data Summary: Mean=283.7, Std. Dev.=202.5, n=29, 3.448% NDs. Seasonality was not detected with 95% confidence. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Manganese Analysis Run 7/7/2022 9:46 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=37.92, Std. Dev.=25.08, n=6. Insufficient data to test for seasonality: data were not deseasonalized. Report alpha = 0.01. Most recent point compared to limit.

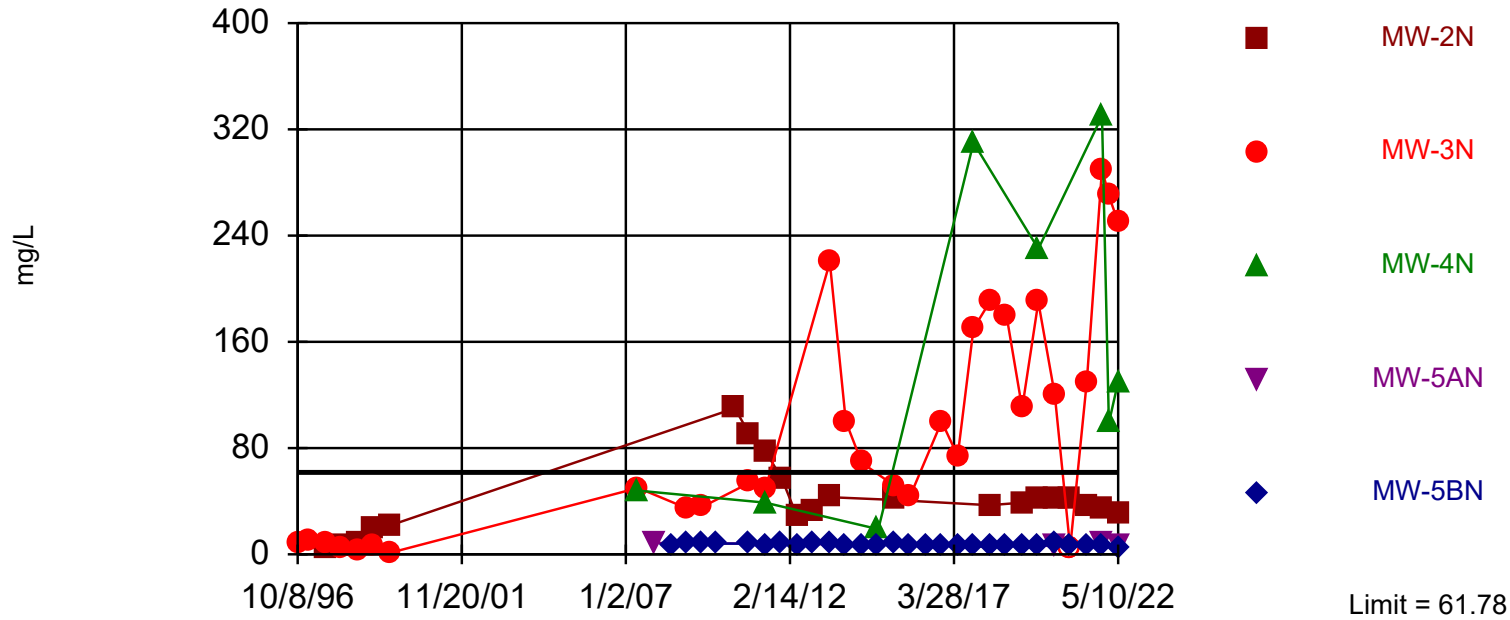
Constituent: Manganese Analysis Run 7/7/2022 9:48 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Exceeds Limit: MW-3N, MW-4N

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=17.02, Std. Dev.=17.93, n=31. Seasonality was not detected with 95% confidence. Report alpha = 0.05. Individual comparison alpha = 0.01. Most recent point for each compliance well compared to limit.

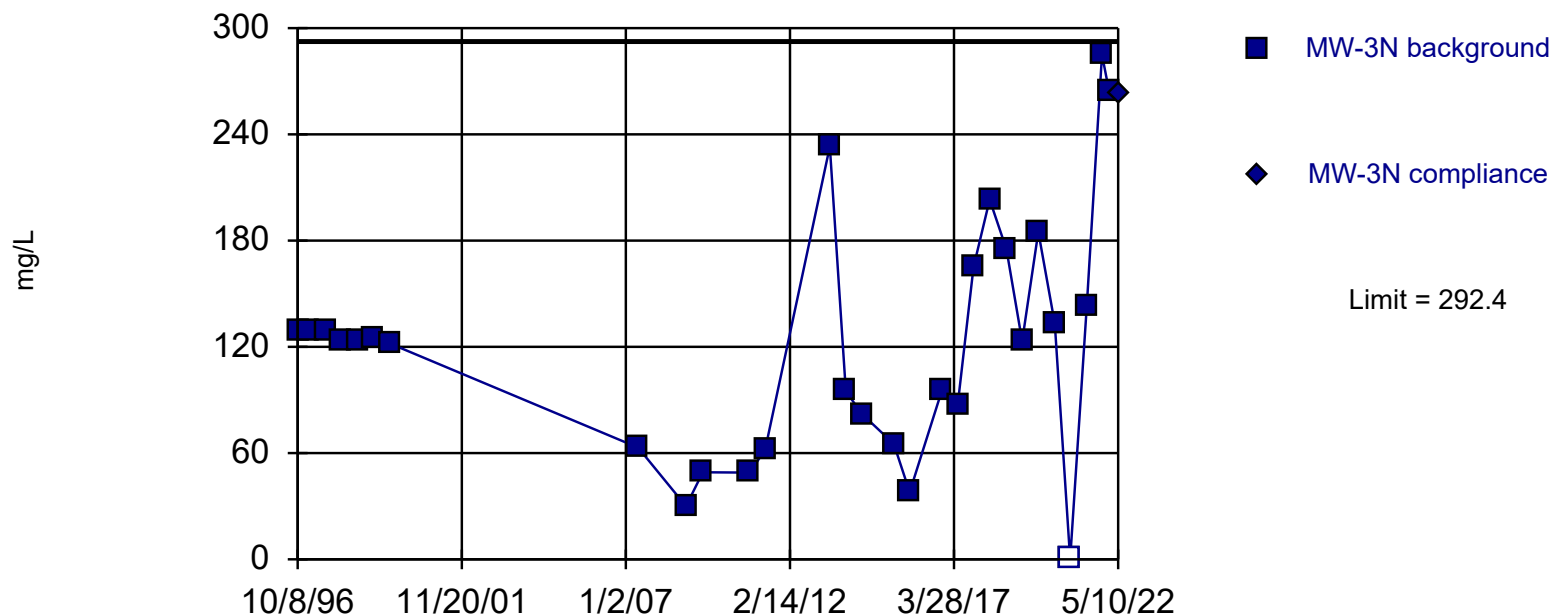
Constituent: Sulfate Analysis Run 7/7/2022 11:01 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

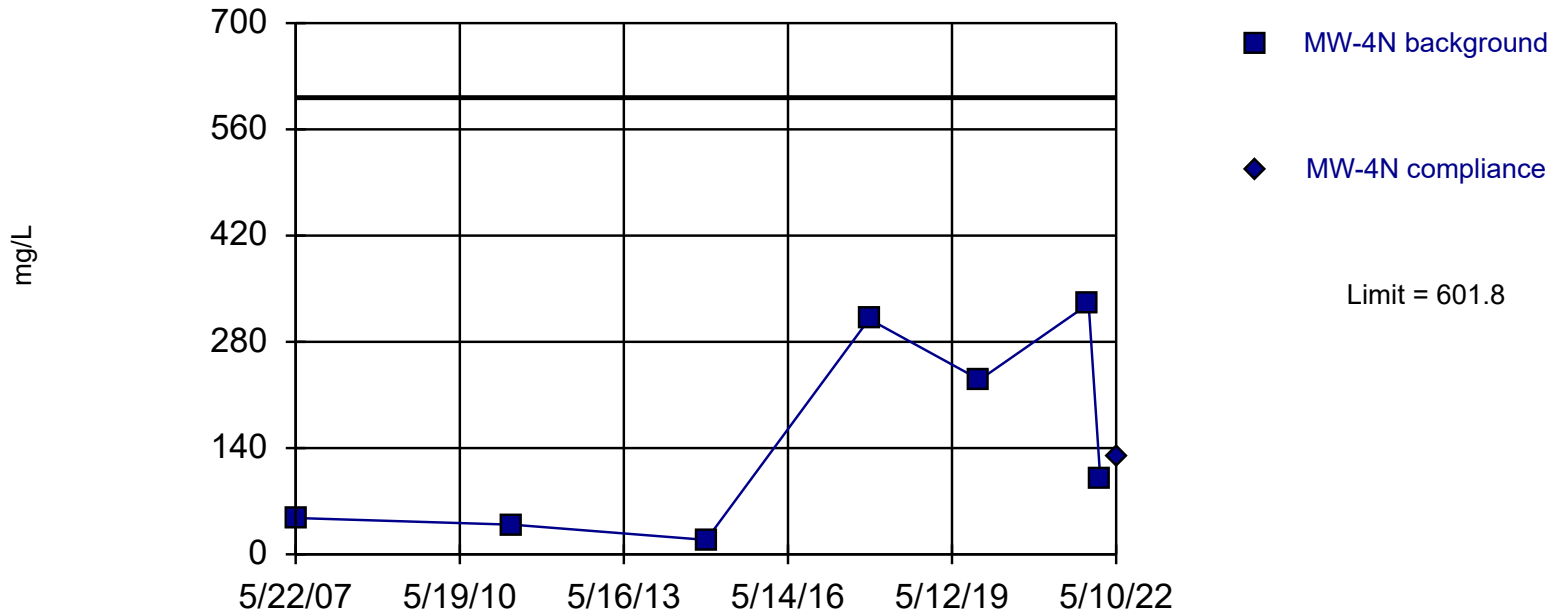
Prediction Limit

Intrawell Parametric



Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=153.6, Std. Dev.=133.4, n=7. Insufficient data to test for seasonality: data were not deseasonalized. Report alpha = 0.01. Most recent point compared to limit.

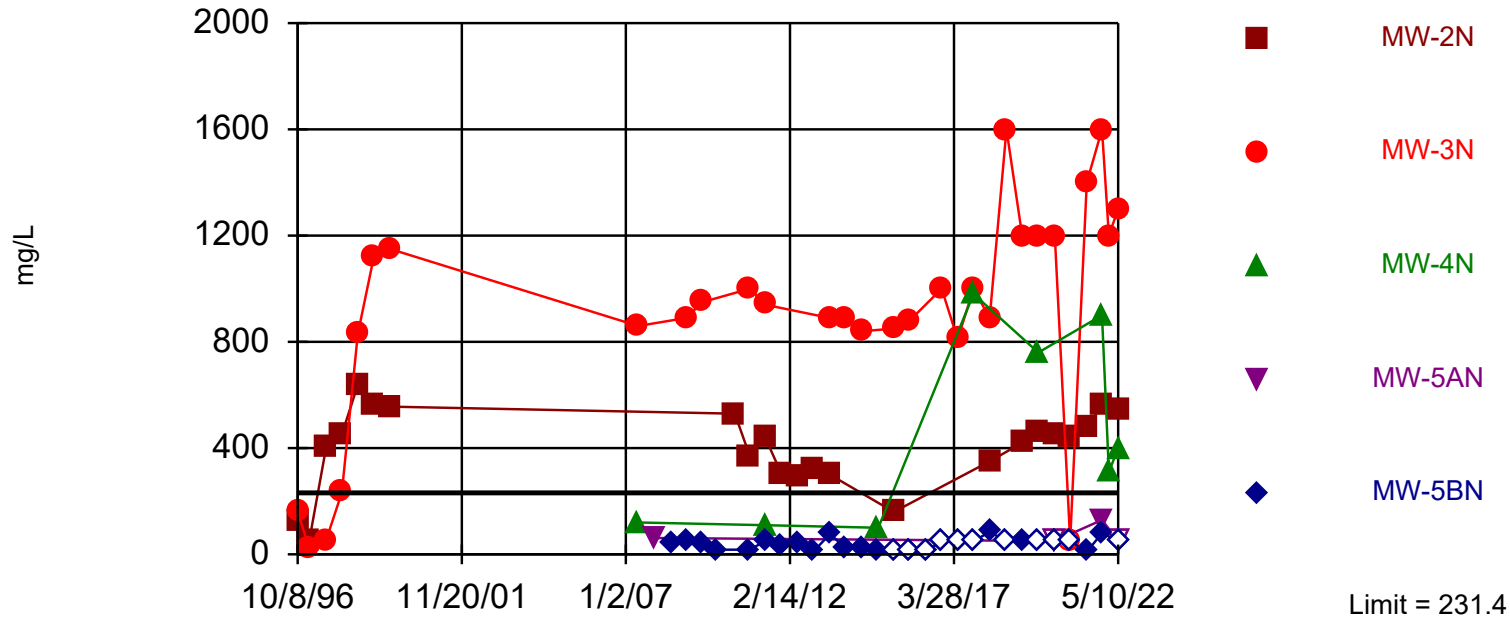
Constituent: Sulfate Analysis Run 7/7/2022 9:58 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Exceeds Limit: MW-2N, MW-3N, MW-4N

Prediction Limit

Interwell Parametric



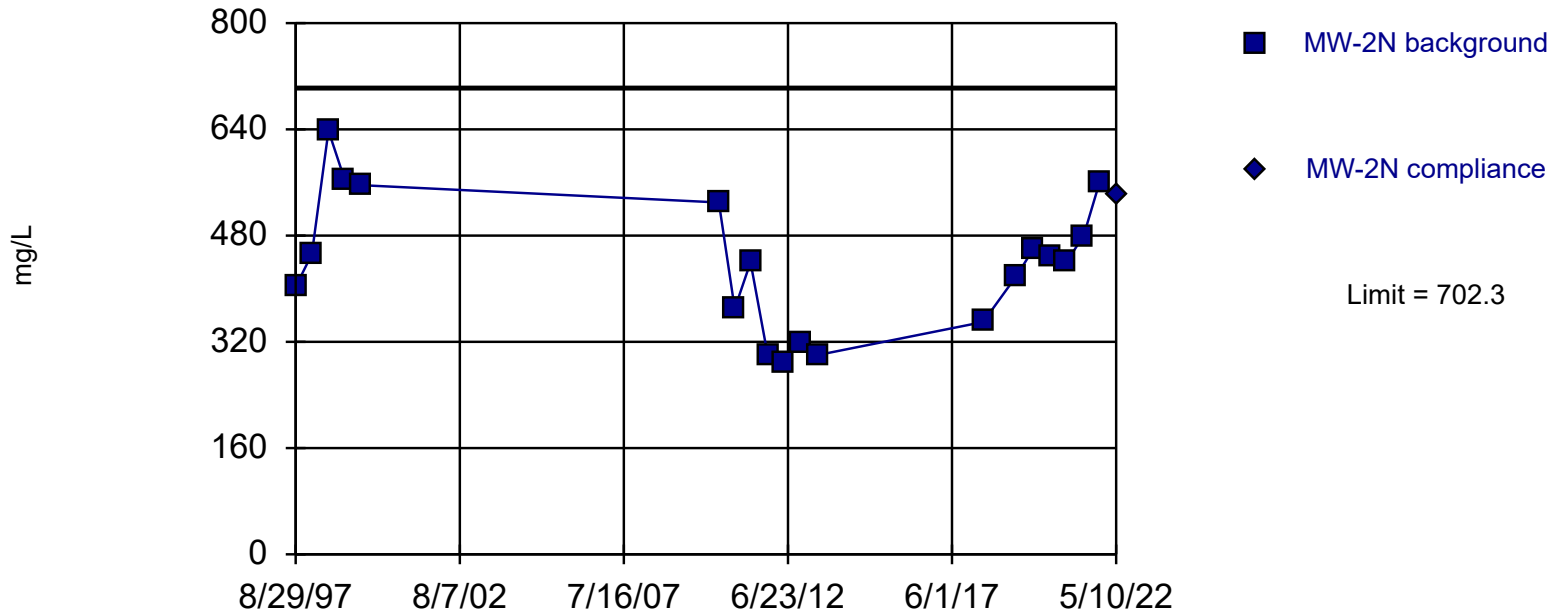
Background Data Summary: Mean=91.26, Std. Dev.=56.13, n=31. Seasonality was not detected with 95% confidence. Report alpha = 0.05. Individual comparison alpha = 0.01. Most recent point for each compliance well compared to limit.

Constituent: TDS Analysis Run 7/7/2022 10:09 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=438, Std. Dev.=100.9, n=19. Insufficient data to test for seasonality: data were not deseasonalized. Report alpha = 0.01. Most recent point compared to limit.

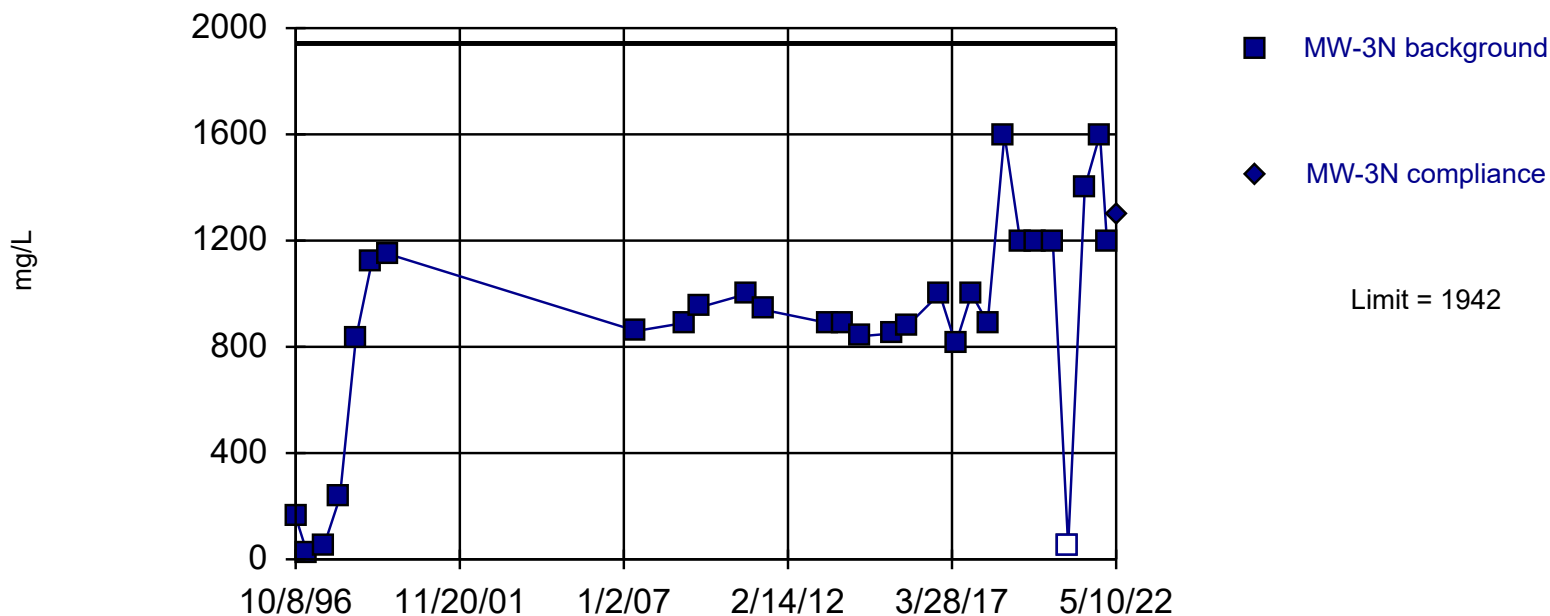
Constituent: TDS Analysis Run 7/7/2022 10:11 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Within Limit

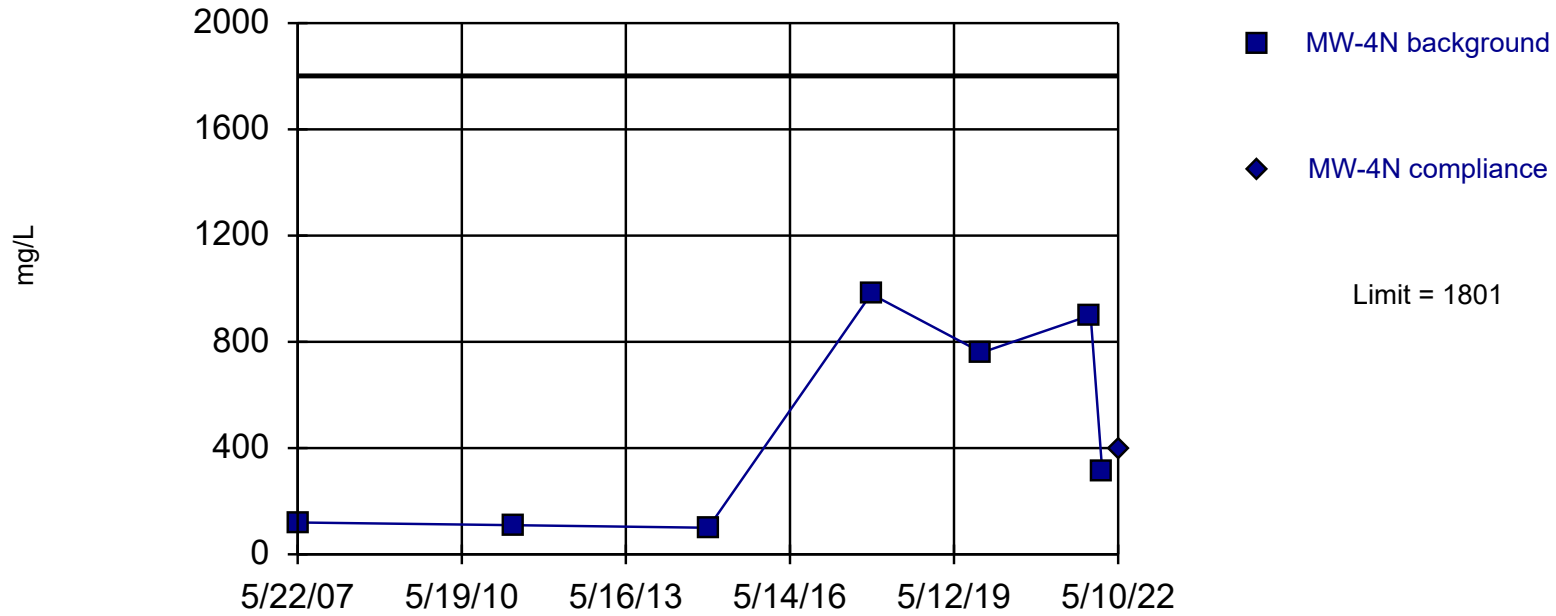
Prediction Limit

Intrawell Parametric



Within Limit

Prediction Limit Intrawell Parametric



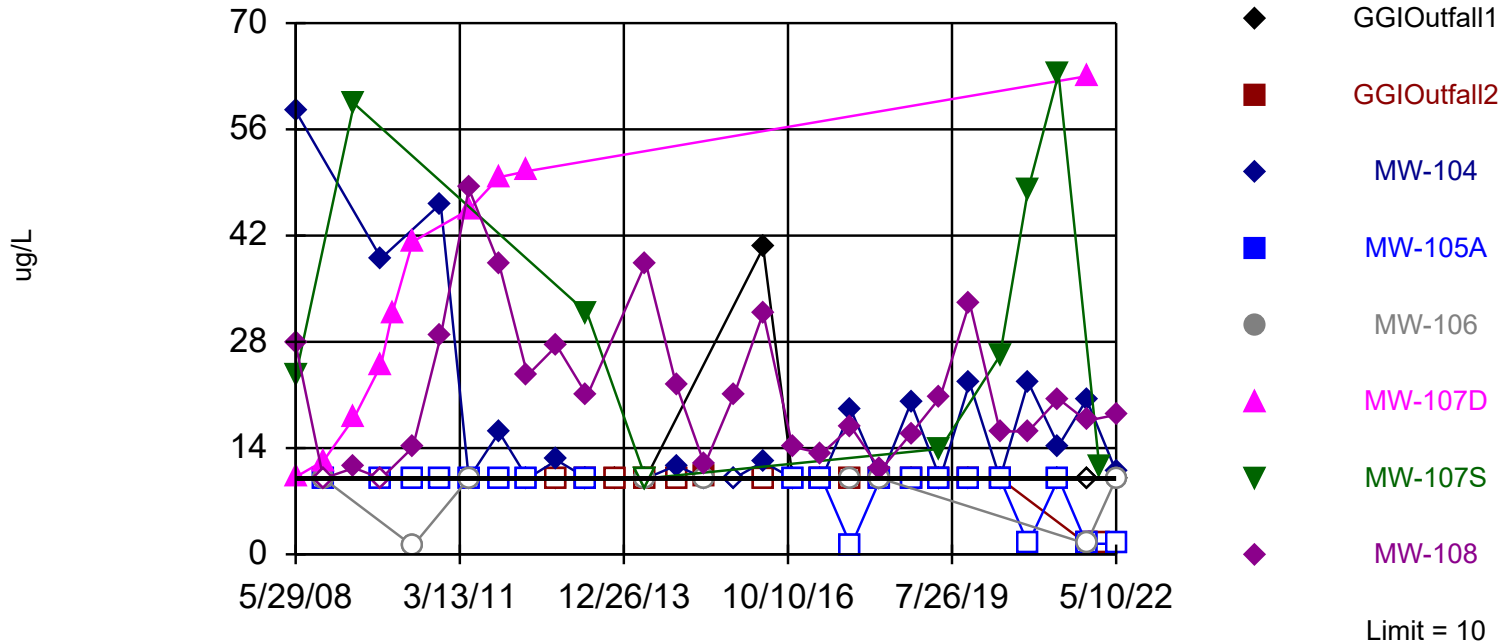
Background Data Summary: Mean=468.6, Std. Dev.=396.6, n=7. Insufficient data to test for seasonality: data were not deseasonalized. Report alpha = 0.01. Most recent point compared to limit.

Constituent: TDS Analysis Run 7/7/2022 10:14 AM

Facility: Sampson County Active C&D Landfill Data File: Sampson Active C&D Stats

Exceeds Limit: MW-104, MW-107D, MW-107S, MW-108

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 60) were censored; limit is most recent reporting limit. Report alpha = 0.1176. Individual comparison alpha = 0.01552. Most recent point for each compliance well compared to limit. Insufficient data to test for seasonality; data will not be deseasonalized.

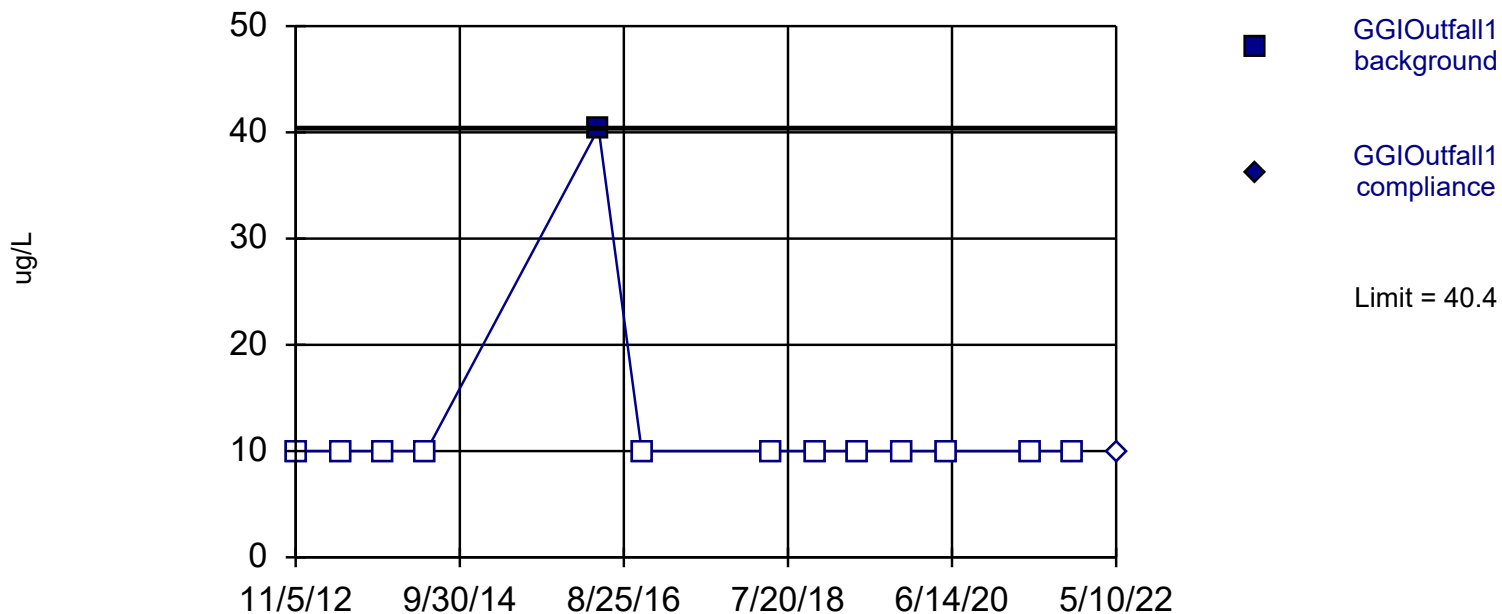
Constituent: Cobalt Analysis Run 7/7/2022 10:39 AM

Facility: Sampson Acive MSW Landfill Data File: Sampson Active MSW Stats

Within Limit

Prediction Limit

Intrawell Non-parametric



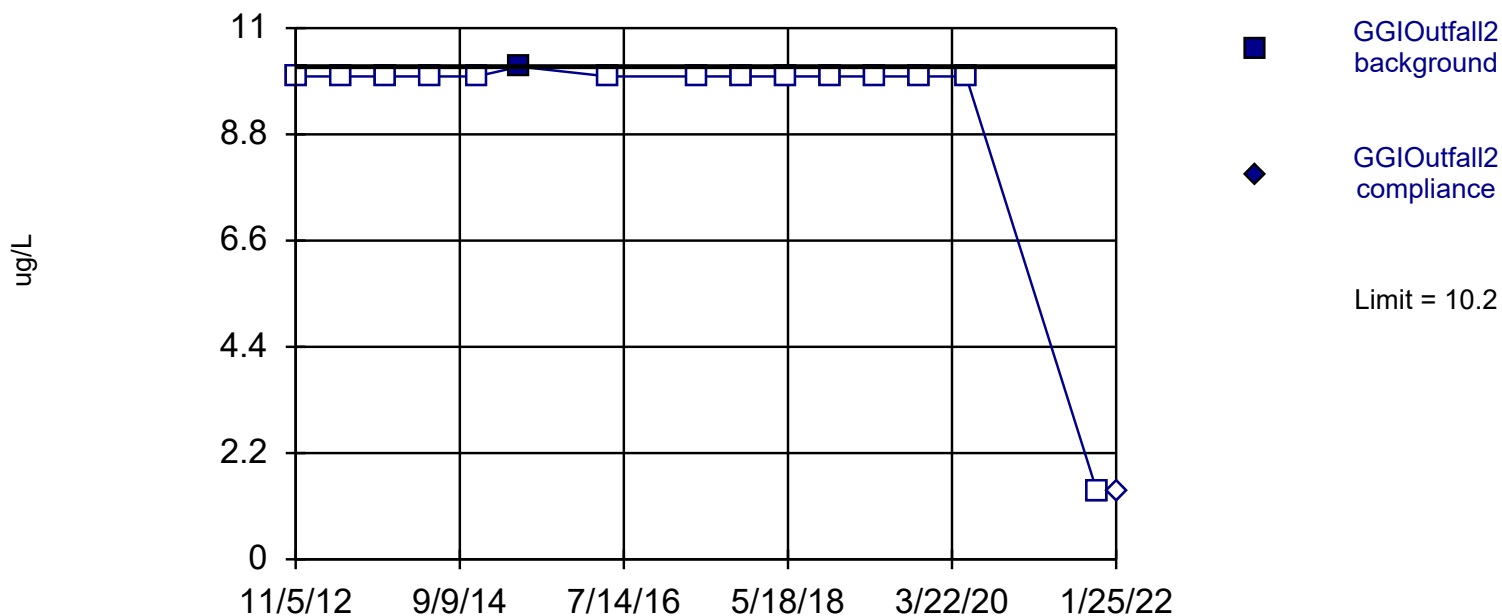
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 92.31% NDs. Report alpha = 0.07143. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Cobalt Analysis Run 7/7/2022 10:52 AM

Facility: Sampson Acive MSW Landfill Data File: Sampson Active MSW Stats

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

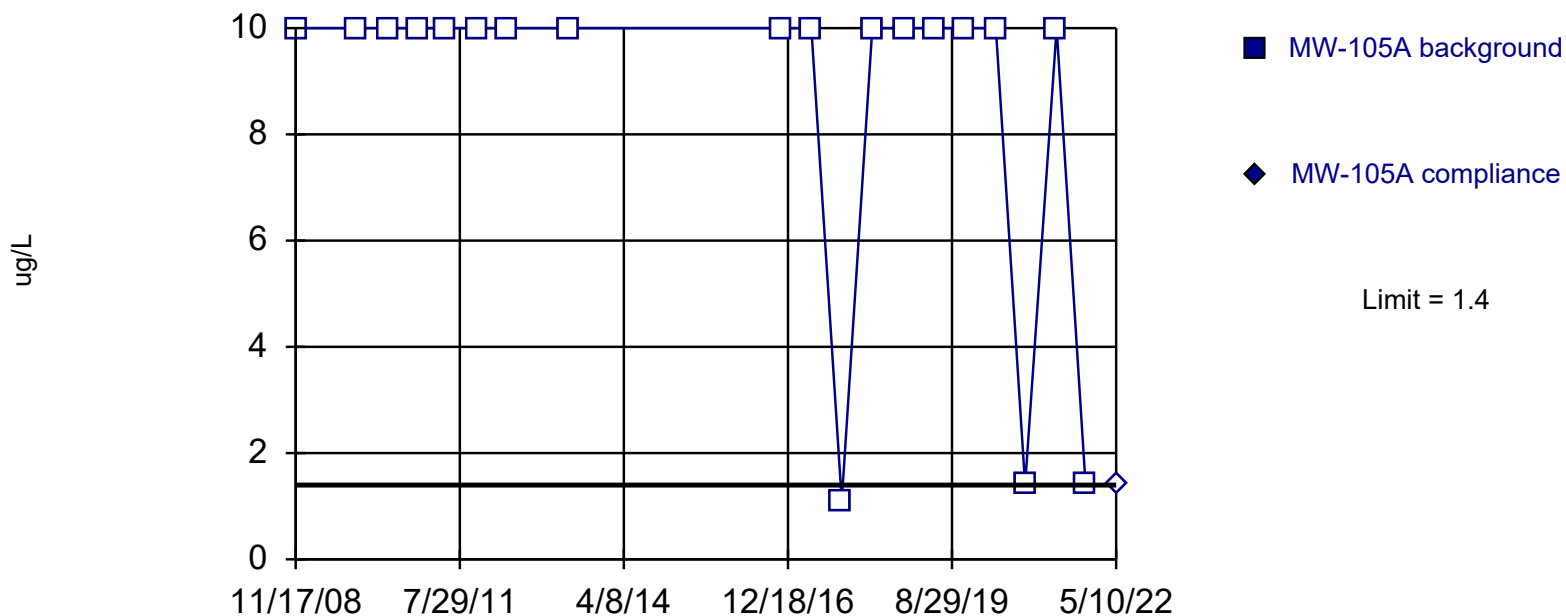
Constituent: Cobalt Analysis Run 7/7/2022 10:52 AM

Facility: Sampson Active MSW Landfill Data File: Sampson Active MSW Stats

Within Limit

Prediction Limit

Intrawell Non-parametric



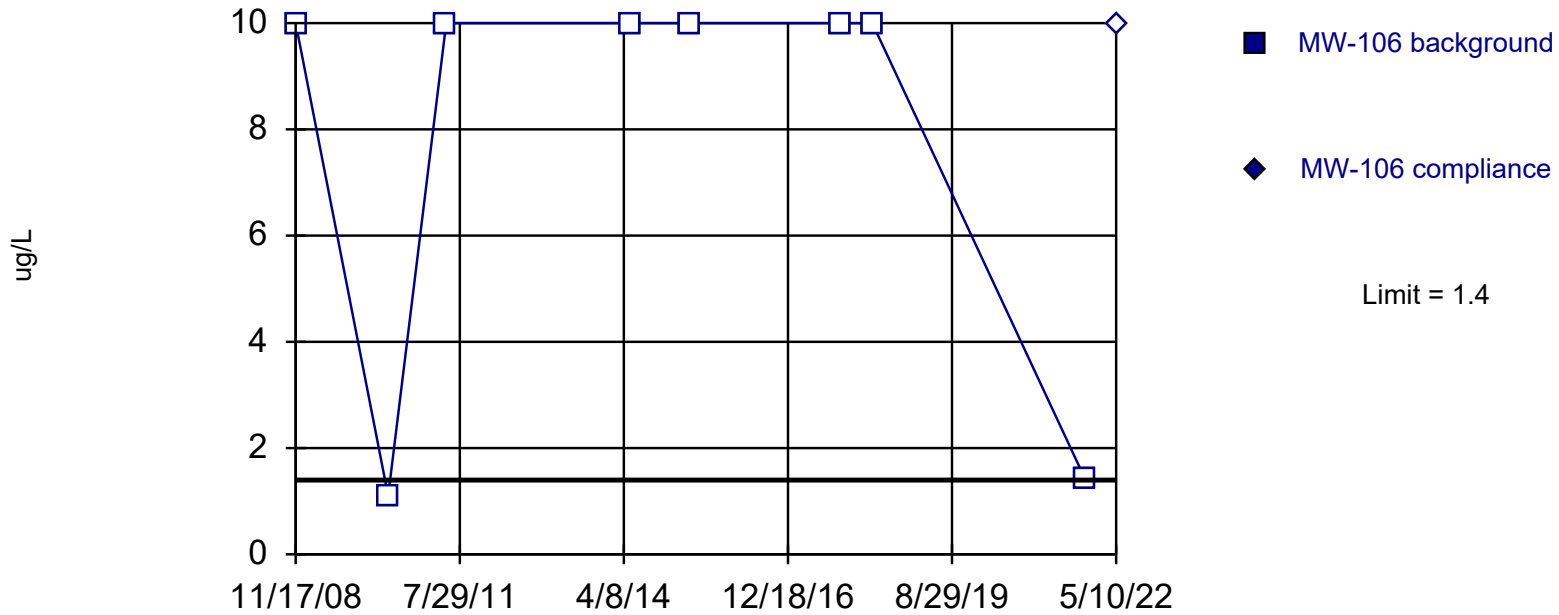
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Report alpha = 0.05. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Cobalt Analysis Run 7/7/2022 10:48 AM

Facility: Sampson Acive MSW Landfill Data File: Sampson Active MSW Stats

Exceeds Limit

Prediction Limit Intrawell Non-parametric



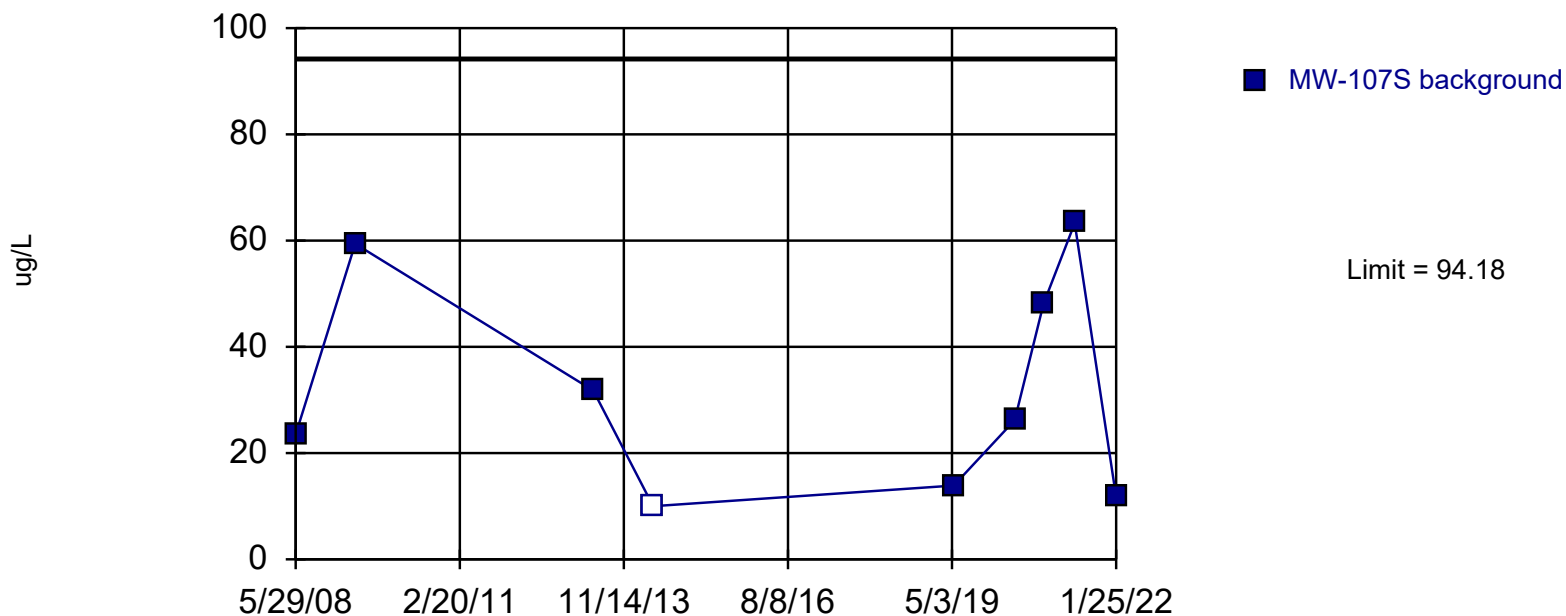
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 8) were censored; limit is most recent reporting limit. Report alpha = 0.1111. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Cobalt Analysis Run 7/7/2022 10:49 AM

Facility: Sampson Acive MSW Landfill Data File: Sampson Active MSW Stats

Prediction Limit

Intrawell Parametric, MW-107S



Background Data Summary: Mean=31.99, Std. Dev.=20.37, n=9, 11.11% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Report alpha = 0.01. Assumes 1 future value.

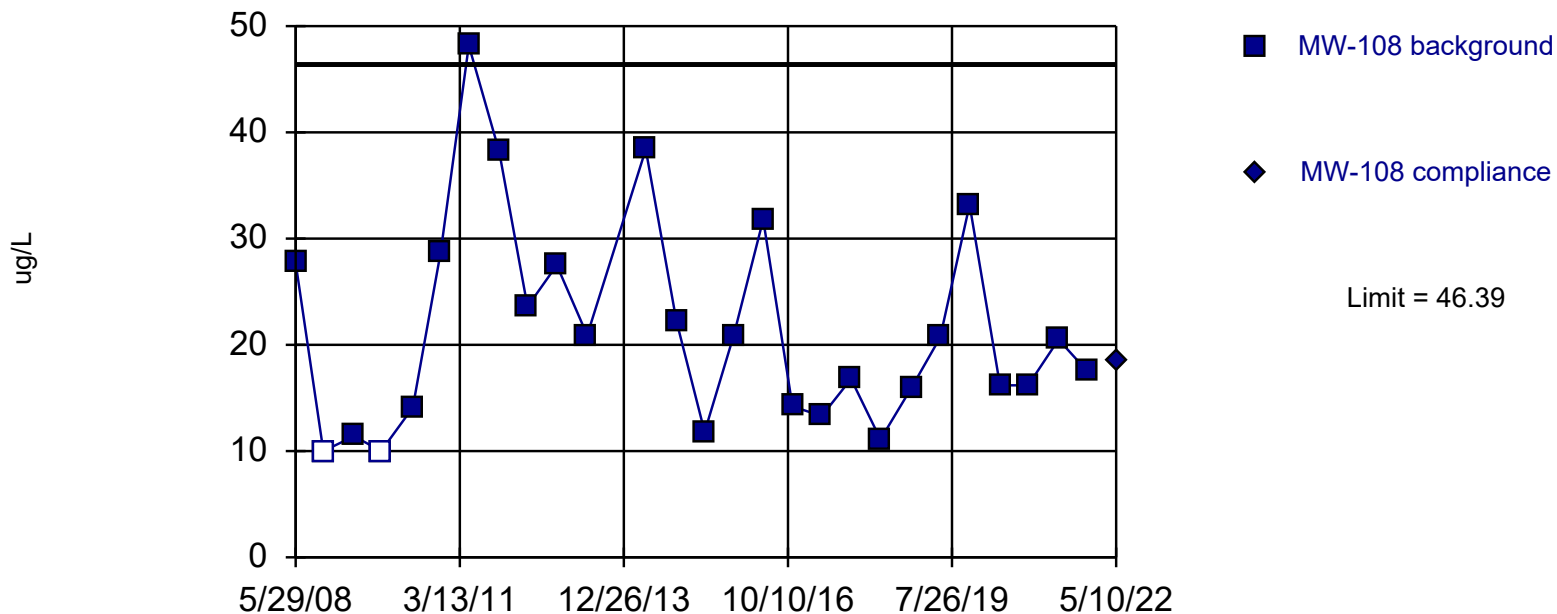
Constituent: Cobalt Analysis Run 7/7/2022 10:51 AM

Facility: Sampson Acive MSW Landfill Data File: Sampson Active MSW Stats

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=21.53, Std. Dev.=9.851, n=27, 7.407% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Cobalt Analysis Run 7/7/2022 10:41 AM

Facility: Sampson Acive MSW Landfill Data File: Sampson Active MSW Stats



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