

**Canoe Place Inn Permeable Reactive Barrier (PRB) – Nitrogen Removal  
Performance Certification Report - 2<sup>nd</sup> Year ending August 2024**



**Prepared for:  
Rechler Equity  
85 South Service Road  
Plainview, NY 11803  
September 18, 2024**

**Environmental Engineers/Consultants**

**LOMBARDO ASSOCIATES, INC.**

188 Church Street, Newton, Massachusetts 02458

53 Hill Street, Southampton, NY 11968

## TABLE OF CONTENTS

EXECUTIVE SUMMARY .....	4
1 BACKGROUND AND METHODOLOGY .....	7
1.1 Background .....	7
1.2 Project Information .....	7
1.3 Data Collection Program Description .....	8
1.4 Wastewater Flows .....	19
1.5 Wastewater System Equipment Sizes .....	20
1.6 Permits .....	20
2 DATA .....	21
2.1 Wastewater Generation and Wastewater Nitrogen Discharged .....	21
2.2 Groundwater Elevations & Slope .....	23
2.3 Groundwater Flux at the PRB .....	30
2.4 Water Quality Data .....	31
SECTION 3 NITROGEN REMOVAL – WASTEWATER & OTHER SOURCES.....	41
APPENDIX A SPDES PERMIT & DECLARATION OF COVENANTS & RESTRICTIONS .....	42
APPENDIX B DAILY WASTEWATER FLOWS .....	51
APPENDIX C GROUNDWATER & WASTEWATER QUALITY DATA.....	55
APPENDIX D GROUNDWATER & WASTEWATER QUALITY DATA – FIELD DATA & LAB REPORTS.....	61

### List of Figures

Figure ES-1 CPI Groundwater Monitoring Locations.....	6
Figure 1-1 CPI Property Location Map.....	9
Figure 1-2 CPI Pan View with Wastewater & PRB Systems.....	10
Figure 1-3 CPI Groundwater Monitoring Locations - Initial .....	11
Figure 1-3A CPI Groundwater Monitoring Locations - Deep Wells .....	12
Figure 1-4 CPI PRB System - Plan View & Section A-A.....	14
Figure 1-5 PRB Section B-B .....	15
Figure 1-6 Nitrex PRB just prior to completion .....	16
Figure 1-7 Wastewater Flow Meter & Sampling Locations – Expanded View.....	17
Figure 1-8 Wastewater Sampling Pump Station.....	18
Figure 2-1 PLC Screen Shot of Flows to each Drainfield Zone .....	22
Figure 2-2-1 Ground Water Elevations and Precipitation 10/23/2023 to 1/2/2024 .....	24
Figure 2-2-2 Ground Water Elevations and Precipitation 1/19/2024 to 7/10/2024 .....	25
Figure 2-3 CPI Site Groundwater Slopes .....	26
Figure 2-4-1 2023 Shinnecock Canal Tidal Data August 24 to October 3, 2023.....	27
Figure 2-4-2 2023 Shinnecock Canal Tidal Data October 3 to November 11, 2023.....	28
Figure 2-4-3 2023 Shinnecock Canal Tidal Data November 11 to December 22, 2023.....	29
Figure 2-5 Well UG-3 GW Elevation Monitoring Device Iron Staining.....	30

### List of Tables

Table ES-1 Wastewater Treatment & PRB System TN Removal .....	5
Table ES-2 Summarized Groundwater Quality Data – Total Nitrogen .....	5
Table 1-1 GW MWs - Top of Casing Elevations, Well Depth & Approximate Depth into GW.....	13
Table 1-2 CPI Wastewater Design Flows.....	19
Table 1-3 CPI Average Daily Wastewater Flows.....	19
Table 1-4 CPI Septic Tank Sizes .....	20

Table 2-1 CPI Wastewater Average Daily Flows & Nitrogen Mass Discharged Per Month.....	21
Table 2-2 Groundwater Elevations Measured During Monthly Sampling Events .....	23
Table 2-3 Groundwater Flow Through PRB .....	31
Table 2-4.1 Summarized Groundwater Quality Data by Location Sept. 2023 thru Dec. 2023.....	33
Table 2-4.2 Summarized Groundwater Quality Data by Location Feb. 2024 thru Aug. 2024 .....	34
Table 2-5.1 Summarized Groundwater Quality Data – pH.....	35
Table 2-5.2 Summarized Groundwater Quality Data – Temp .....	35
Table 2-5.3 Summarized Groundwater Quality Data – Specific Conductivity.....	36
Table 2-5.4 Summarized Groundwater Quality Data – Alkalinity .....	36
Table 2-5.5 Summarized Groundwater Quality Data – Nitrite-N .....	37
Table 2-5.6 Summarized Groundwater Quality Data – TKN .....	37
Table 2-5.7 Summarized Groundwater Quality Data – Ammonia-N .....	38
Table 2-5.8 Summarized Groundwater Quality Data – Nitrate-N .....	38
Table 2-5.9 Summarized Groundwater Quality Data – Total Nitrogen.....	39
Table 2-5.10 Summarized Groundwater Quality Data – Dissolved Oxygen.....	39
Table 2-5.11 Summarized Groundwater Quality Data – BOD .....	40
Table 3-1 Wastewater Treatment & PRB System TN Removal .....	41
Table 3-2 Drainfield Plumes Estimated Depths .....	41
Table C-0 Table of Groundwater & Wastewater Data Tables .....	55
Table C-1 September 26, 2023 Groundwater and Wastewater Quality Data.....	56
Table C-2 October 23, 2023 Groundwater and Wastewater Quality Data .....	57
Table C-3 November 16, 2023 Groundwater Quality Data .....	58
Table C-4 December 19, 2023 Groundwater and Wastewater Quality Data.....	58
Table D-0 Table of Field Data and Lab Report Tables .....	61

## EXECUTIVE SUMMARY

This report presents the results of compliance of the Canoe Place Inn wastewater treatment with Permeable Reactive Barrier (PRB) system with Town of Southampton Planning Board approval condition that the system removes > 94% of discharged wastewater total nitrogen mass. Per the Planning Board approval, Canoe Place Inn wastewater nitrogen discharge and groundwater quality are to be monitored according to the following frequency of sampling of the wastewater and PRB systems to quantify nitrogen removal:

1st Year of Operation	Monthly sampling
Year 2 – 5 of Operation	Monthly sampling April 15 – October 15
	Quarterly sampling Oct 16 – April 14
Year 5+ of Operation	Quarterly sampling

System performance sampling began in September 2022. The results of the 1<sup>st</sup> year of monthly monitoring from September 2022 through August 2023 was documented in the January 15, 2024 Performance Certification Report submitted to the Town of Southampton.

This Report presents the 2<sup>nd</sup> year results of sampling from September 2023 through August 2024. The monitoring program consists of:

- Septic tank effluent quality
- Monitoring of groundwater wells at the following locations:
  - Background locations
  - Downgradient of PRB

with field monitoring for:

- Ground water elevation
- pH
- Temperature
- Specific Conductivity
- Dissolved Oxygen (mg/L)

and taking samples for NYS certified laboratory analysis for:

- Alkalinity
- TKN
- Ammonia-N
- Nitrite-N
- Nitrate-N
- Total N

Groundwater elevations were also continuously monitored at multiple locations to provide basis for groundwater flow estimates and to assess tidal influences.

Based upon the data and its analysis, Table ES-1 presents the nitrogen removal by wastewater treatment and PRB system, and as a percent of discharged wastewater nitrogen. In summary:

- ✓ Average 0.68 kg/day wastewater nitrogen discharged
- ✓ Average 0.85 kg/day nitrogen removed
- ✓ 125% of wastewater nitrogen removed - complying with Town's approval condition.

**Table ES-1 Wastewater Treatment & PRB System TN Removal**

Wastewater Treatment & PRB System TN Removal		
Average wastewater TN discharged (kg/day)	0.68	see note (1)
Groundwater flow through PRB (gpd)	6,462	
Post PRB - Change in GW TN vs Background (mg/L)	3.17	5.67
PRB Nitrogen Removal in addition to Wastewater TN (kg/day)	0.17	0.31
<b>Wastewater Treatment &amp; PRB System TN Removal as % of Wastewater TN discharge</b>	<b>125%</b>	<b>145%</b>
(1) With consideration of additional TN removal downgradient of CPI prior to Shinnecock Bay due to residual BOD in GW from PRB.		

The water quality data reveals the following critical insights / conclusions:

- ✓ The Summarized Groundwater Quality Data – Total Nitrogen on Table 2-5.9, reproduced as Table ES-2, shows that all downgradient wells, see Figure ES-1, have average total nitrogen (TN) values of 7.83 mg/L, which is lower than background wells which have TN of 10.6 +/- mg/L.

Consequently, this Report documents that the Canoe Place Inn Wastewater – Permeable Reactive Barrier (PRB) treatment system is compliant with the Town of Southampton’s approval conditions that the system remove >94% of discharged wastewater nitrogen mass.

**Table ES-2 Summarized Groundwater Quality Data – Total Nitrogen**

Location Label	Total N (mg/L)								Projected TN conc. prior to Shinnecock Bay
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg	
BG2	10.6	10.1	11.6	11.9			10.3	10.9	Projected TN conc. prior to Shinnecock Bay
BG1	32.3	2.37	14.3	7.24			12.8	13.8	
Avg-BG Wells	21.5	7.38	13.0	8.32			9.8	10.6	
DG 0.5	8.40	7.34	7.46	7.39	7.17	5.88	7.80	7.35	6.86
DG 1	5.80	4.3	4.63	2.08	4.96	2.98	1.21	3.71	0.85
DG 1.5	11.1	11.1	11.0	21.9	17.4	6.95	2.75	11.7	11.65
DG 2	5.45	6.06	2.88	9.80	2.02	2.60	3.41	4.60	4.54
DG 3	2.79	1.21	1.91	3.88	12.7	2.66	1.63	3.83	2.55
DG 1.5 DPA	11.60	14.3	15.5		8.96			12.59	
DG 1.5 DPB	13.30	11.8	12.7		6.24			11.01	
Avg-DG Wells	8.35	8.02	8.01	9.01	8.49	4.22	3.36	7.83	5.29
WW Pump Chamber	30	31.8	38.4	36.8	41.6		51.1	38.3	

Background
Downgradient of PRB
Wastewater

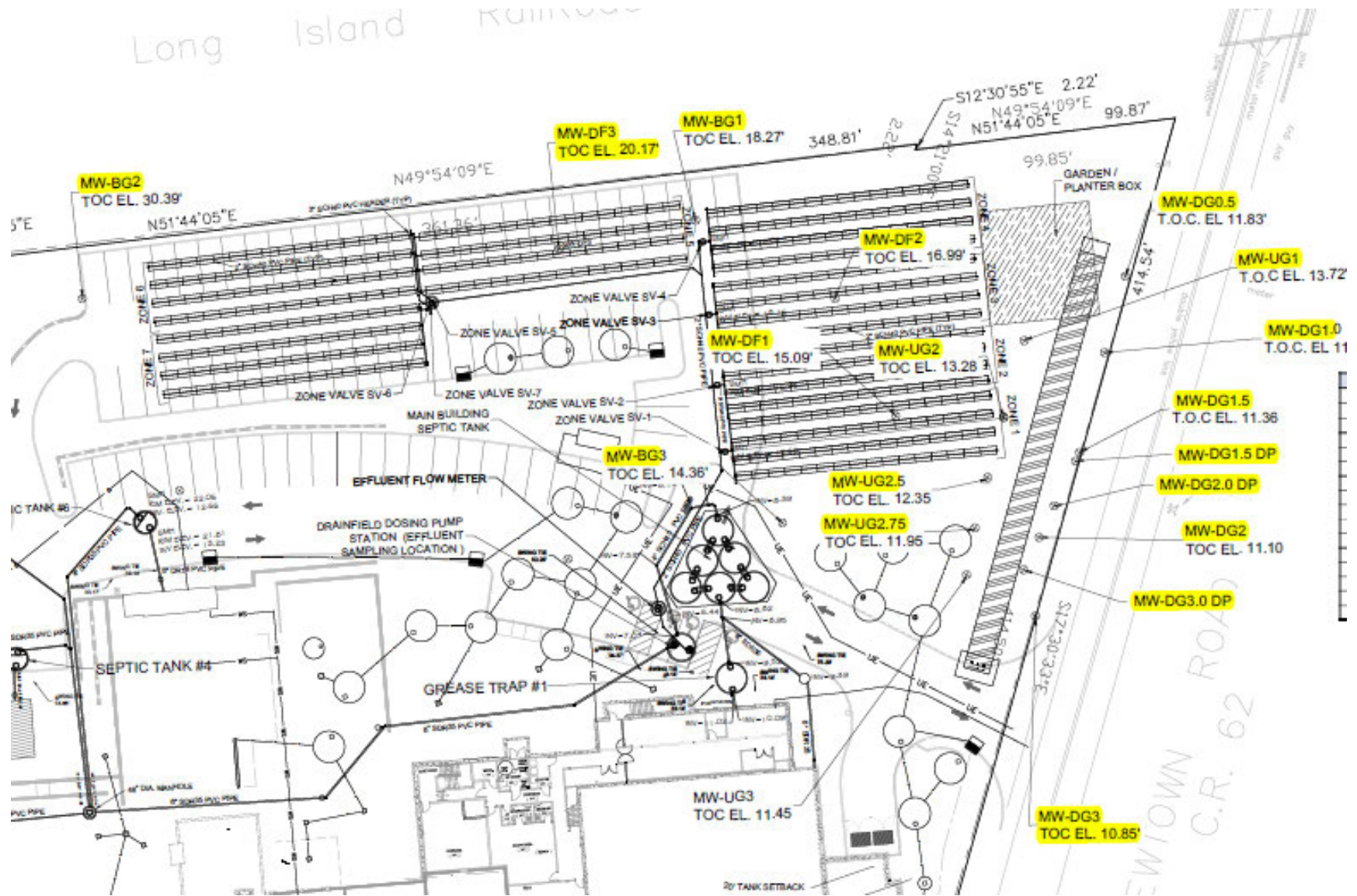


Figure ES-1 CPI Groundwater Monitoring Locations

# 1 BACKGROUND AND METHODOLOGY

## 1.1 BACKGROUND

The Canoe Place Inn (CPI), located at 239 E Montauk Highway, Hampton Bays, Southampton, NY 11946 (see location map Figure 1-1) consists of:

- Inn with 20 rooms,
- Restaurant with 70 seats
- Bar with 20 seats
- Outdoor 120-seat seasonal use
- Catering facility with 350-person maximum occupancy
- 5 cottages

The CPI Wastewater and Nitrogen Management Plan is comprised of the following components:

### **Wastewater**

- ✓ Septic tanks
- ✓ Wastewater (septic tank effluent) collection
- ✓ Drainfield for treatment and disposal and partial nitrogen removal. Drainfield wastewater nitrogen, principally in organic and ammonia form, is converted to nitrate with some nitrogen removal by denitrification.

### **Nitrogen (N) Removal**

- Permeable Reactive Barrier (PRB) to remove wastewater nitrogen and other sources of nitrogen in groundwater downgradient of drainfield. The PRB was placed in groundwater at a location to intercept and remove nitrogen from the septic drainfield plume and groundwater. Nitrogen is removed principally by biological denitrification, in which nitrate ( $\text{NO}_3$ ) and nitrite ( $\text{NO}_2$ ) are converted to nitrogen gas, which then escapes to the atmosphere.

The purpose of this Report is to document, for the 2<sup>nd</sup> year of operation from Sept. 2023 through August 2024, the CPI wastewater nitrogen contributions to groundwater and nitrogen removal by the wastewater and PRB systems, and that the treatment systems are compliant with the Town of Southampton's Planning Board approval condition. Groundwater elevations and direction were determined in the CPI Site Characterization Studies, with the final version responding to Peer Review Comments, dated June 29, 2017. Groundwater flow was determined to flow west to east to Shinnecock Bay. Groundwater monitoring continues as part of the project's performance evaluation efforts.

## 1.2 PROJECT INFORMATION

Figure 1-2 presents a plan view of the CPI site, with the wastewater and PRB systems shown. Groundwater monitoring well locations are shown on Figures 1-3 and 1-3A, with photos of the wells presented in Appendix A of the January 15, 2024 1<sup>st</sup> Year PRB Performance Monitoring Report. The surveyed locations and Top of Casing Elevation for the upgradient and downgradient wells are presented on Table 1-1.

**Background Wells** - Groundwater monitoring wells (MW) BG-2 and BG1 are upgradient of the drainfields and represent background water quality conditions.

**Downgradient to PRB Wells** - Five (5) GW wells downgradient (DG0.5, DG1, DG1.5, DG2 and DG3) of the PRB exist with their screened interval approximately 14 feet into GW. Nine (9) deep wells of 25 to 50 feet with 5 foot screened intervals were installed at depths below the PRB, see Table 1-1.

Plan and Section Views of the CPI PRB, which is 165-foot-long by 20 feet wide and 10-12 feet depth into groundwater, are presented on Figures 1-4 and 1-5, respectively. A photo of the PRB prior to construction completion is presented on Figure 1-6.

The PRB installation was completed on March 19, 2020. The CPI wastewater system became operational in August 2022. The CPI Project Town Planning Board approval condition requires that the wastewater and PRB systems remove > 94% of wastewater nitrogen.

Frequency of sampling of the wastewater and PRB systems to quantify nitrogen removal is:

1st Year of Operation	Monthly sampling
Years 2 – 5 of Operation	Monthly sampling April 15 – October 15 Quarterly sampling Oct 16 – April 14
Years 5+ of Operation	Quarterly sampling

### **1.3 DATA COLLECTION PROGRAM DESCRIPTION**

Wastewater daily flow is measured and monthly/quarterly wastewater and groundwater quality data was collected from September 26, 2023 through August 15, 2024 to document:

1. CPI wastewater nitrogen discharge
2. PRB nitrogen removal

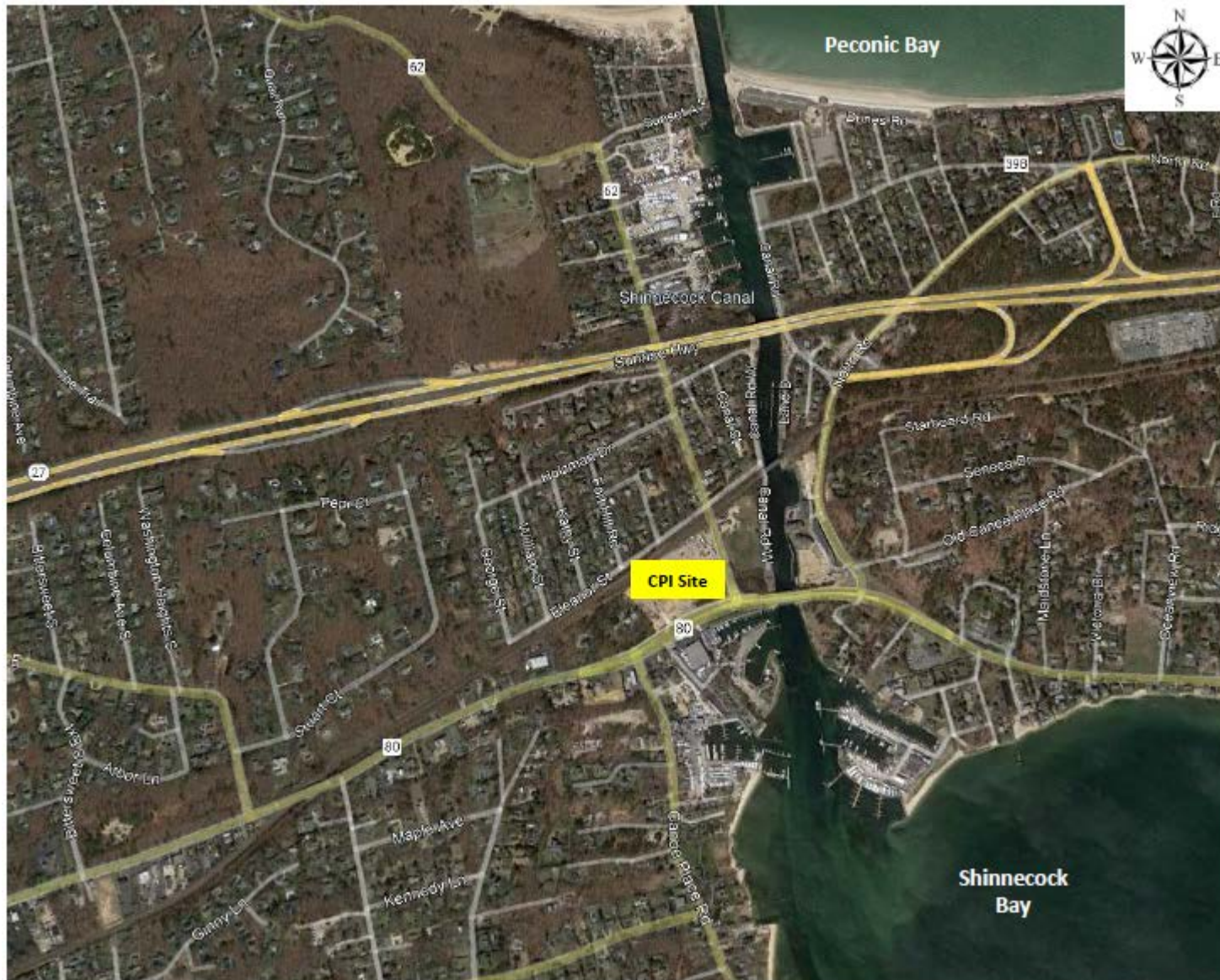


Figure 1-1 CPI Property Location Map

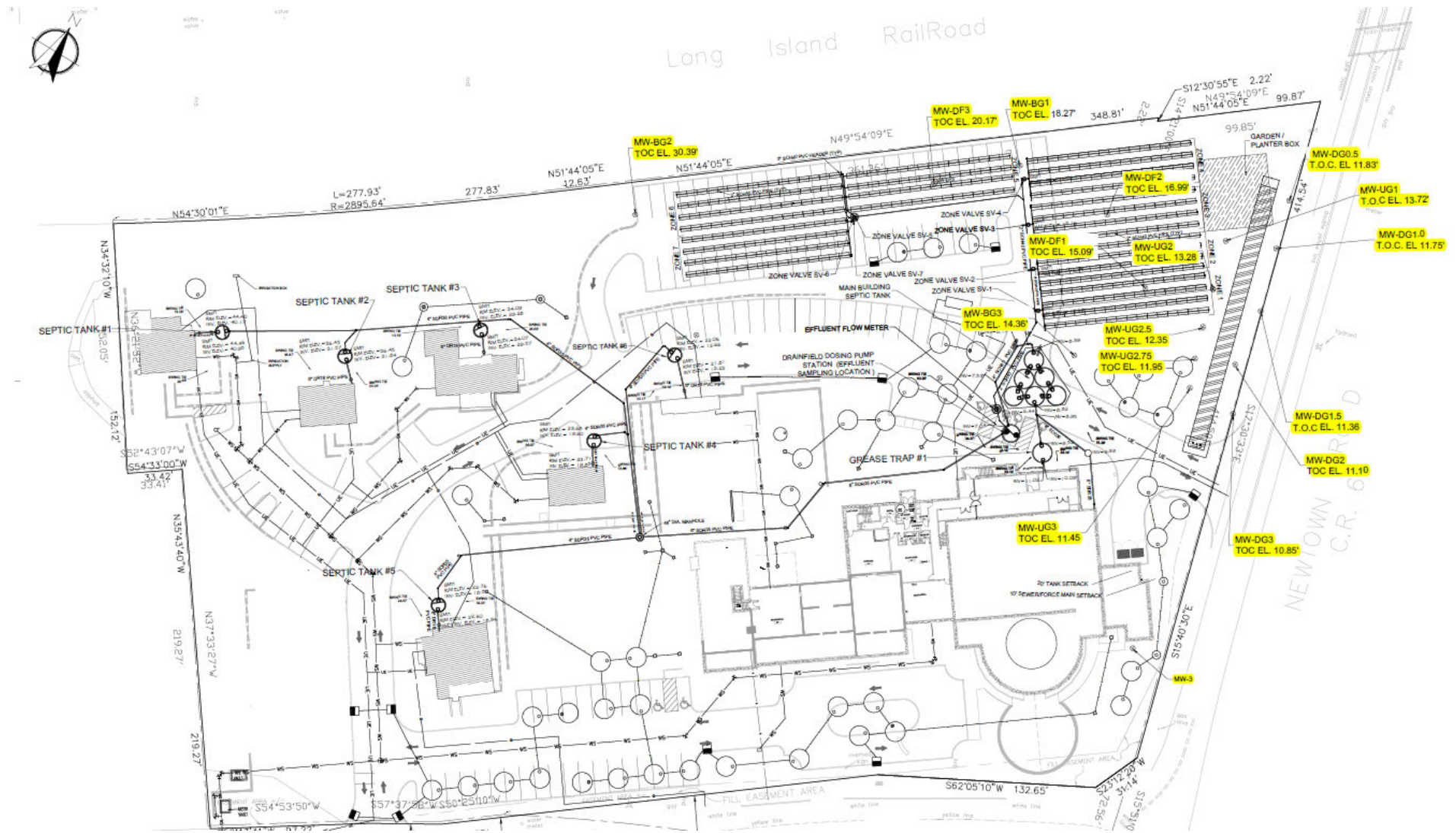


Figure 1-2 CPI Pan View with Wastewater & PRB Systems

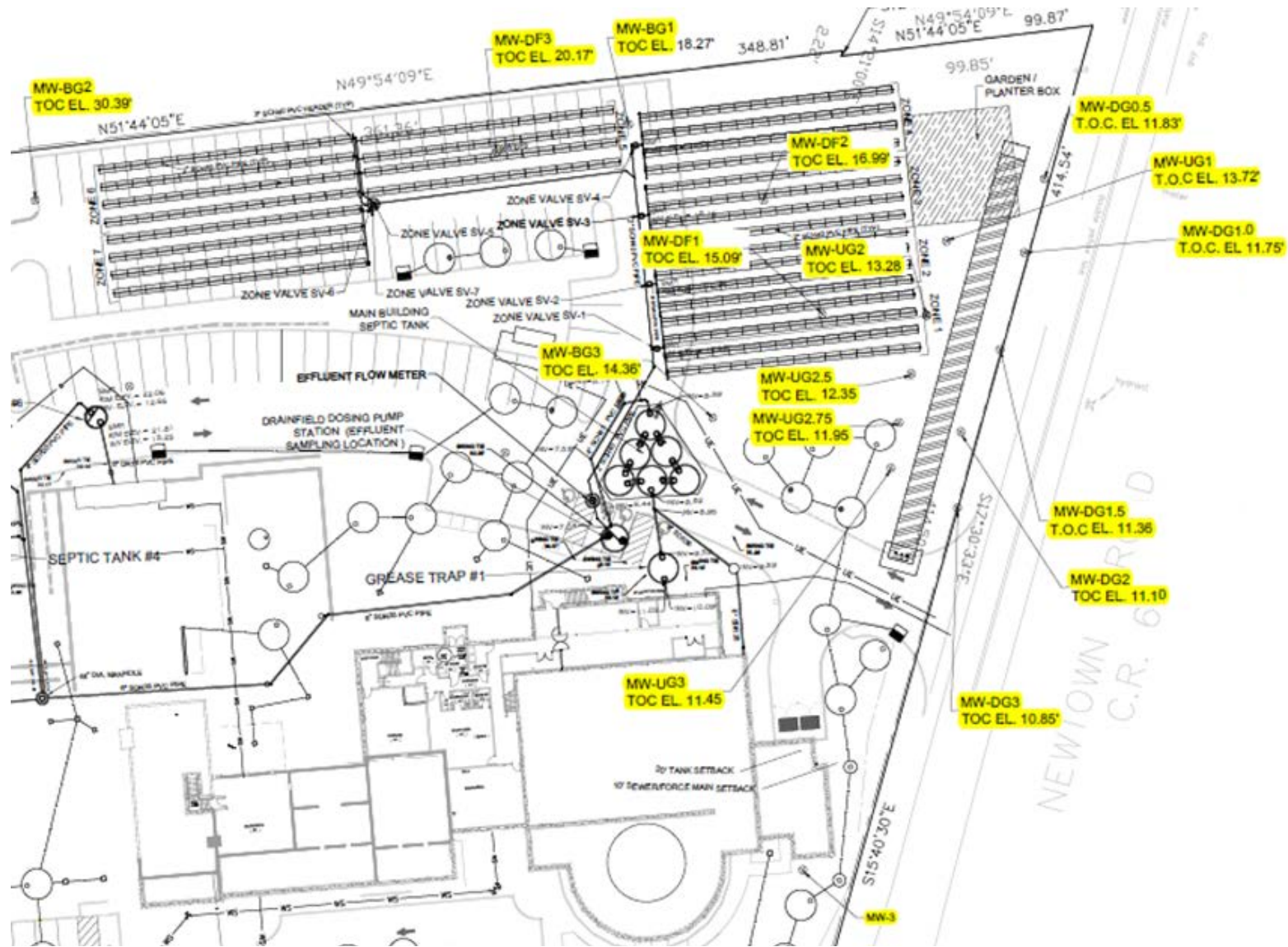


Figure 1-3 CPI Groundwater Monitoring Locations - Initial

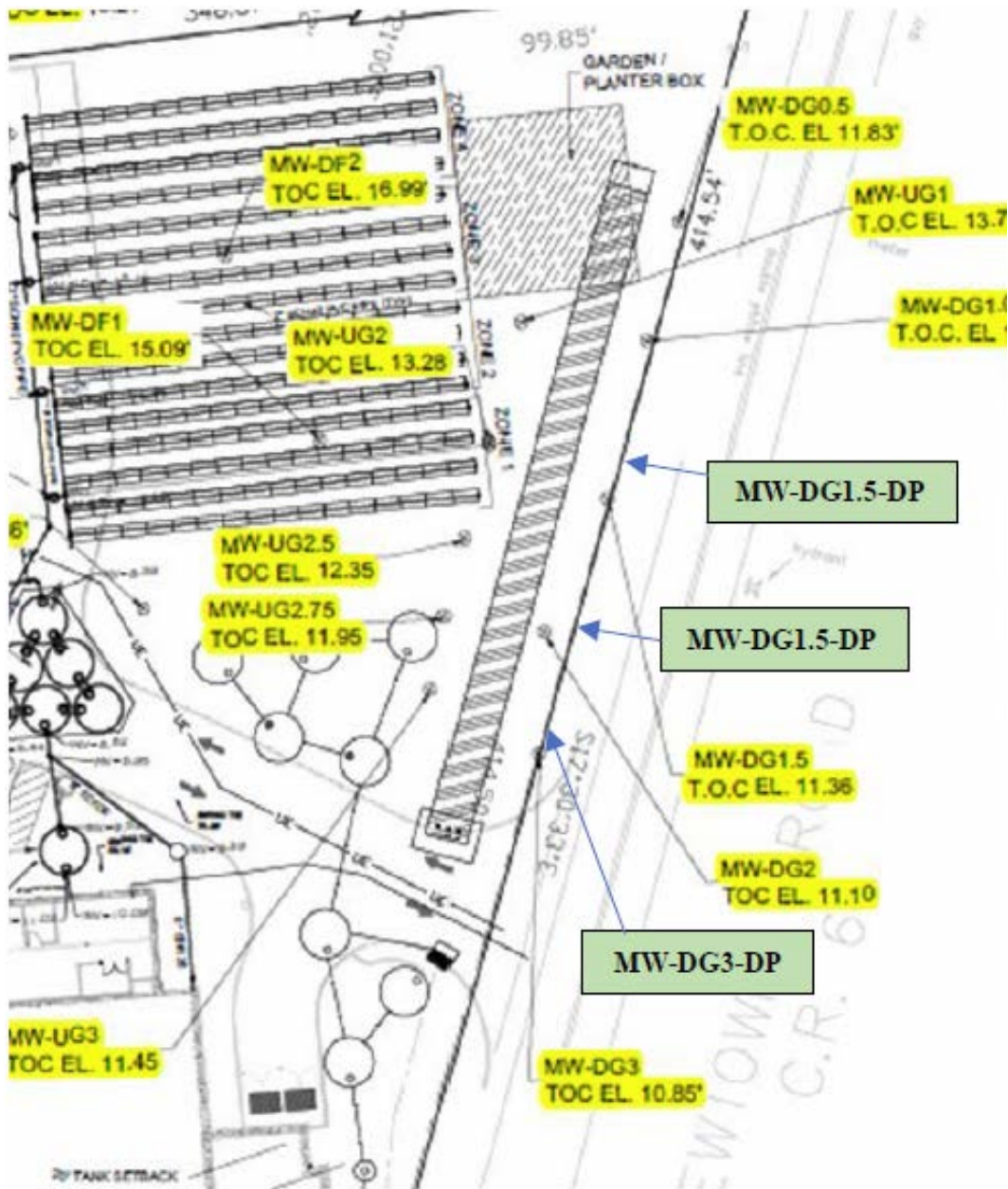


Figure 1-3A CPI Groundwater Monitoring Locations - Deep Wells

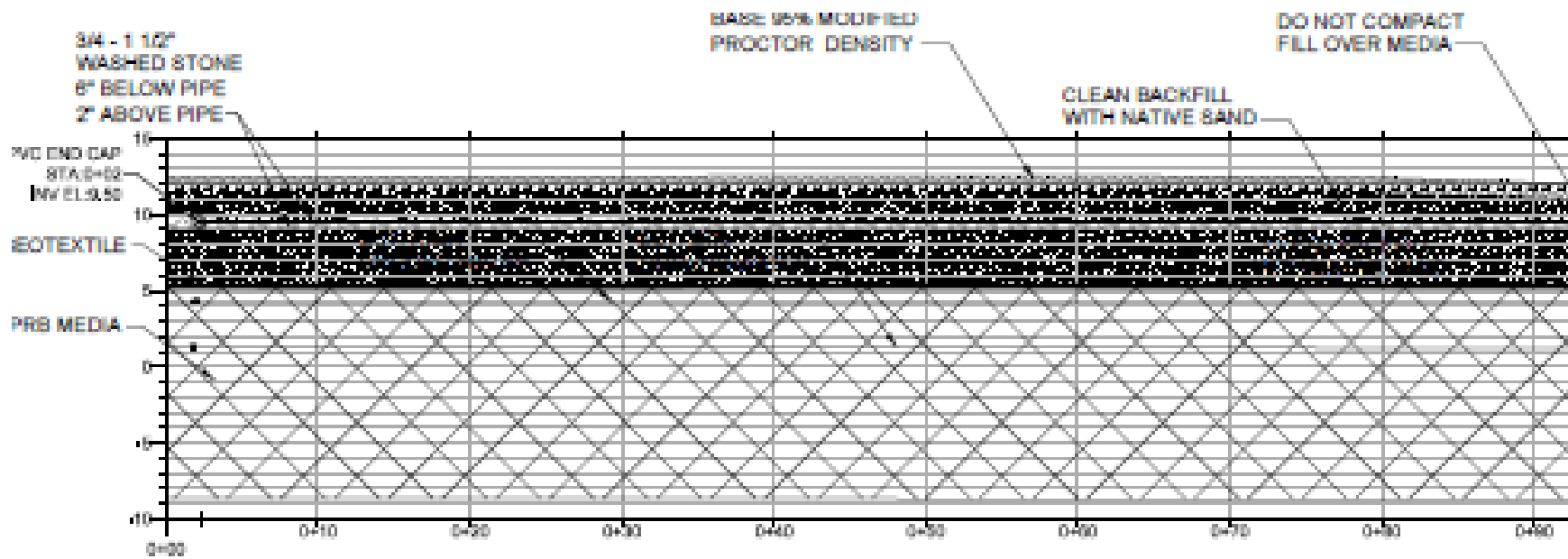
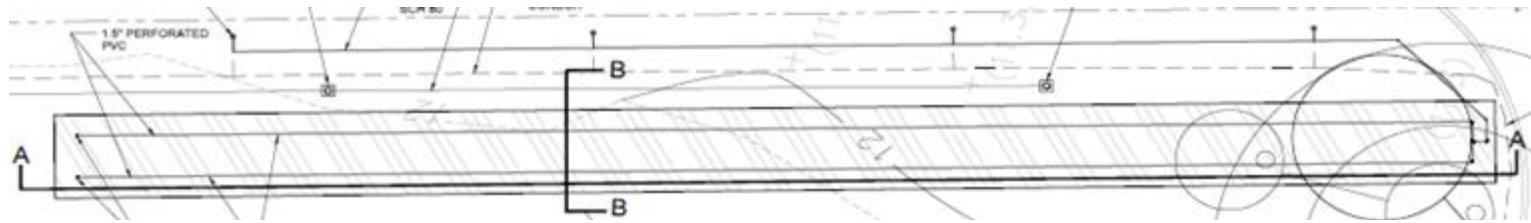
**Table 1-1 GW MWs - Top of Casing Elevations, Well Depth & Approximate Depth into GW**

Well Diameter	Location #	Location Label	Latitude	Longitude	ToC Elevation (ft)	Depth ToC to Bottom of MW (ft)	Monitoring Well Screened Interval into GW (ft)
2" well	2	BG2	40.88557	-72.50404	30.13	43.95	15.4
1.5" well	6	DF3	40.88588	-72.5036	20.59	32.31	14.3
1.5" well	1	BG1	40.88593	-72.50338	18.57	31.65	15.7
2" well	7	DG 0.5	40.88605	-72.50296	11.6	24.1	13.9
2" well	8	DG 1	40.88604	-72.50279	11.53	24.01	13.3
2" well	9	DG 1.5	40.88603	-72.50282	11.14	24.59	14.6
1.5" well	10	DG 2	40.88600	-72.50282	10.84	25.02	16.4
2" well	11	DG 3	40.88600	-72.50279	10.61	22.24	12.8

1.5" well installed in early 2020; 2" wells installed August 2022

	Screen interval						
	Ft below surface				Ft into GW		
MW-DG1.5-DP	A	25	-	30	15	-	20
MW-DG1.5-DP	B	30	-	35	20	-	25
MW-DG3-DP	B	30	-	35	20	-	25

As surveyed by Walbridge Surveyors, see January 15, 2024 Performance Certification Report.



**SECTION A-A**

**Figure 1-4 CPI PRB System - Plan View & Section A-A**

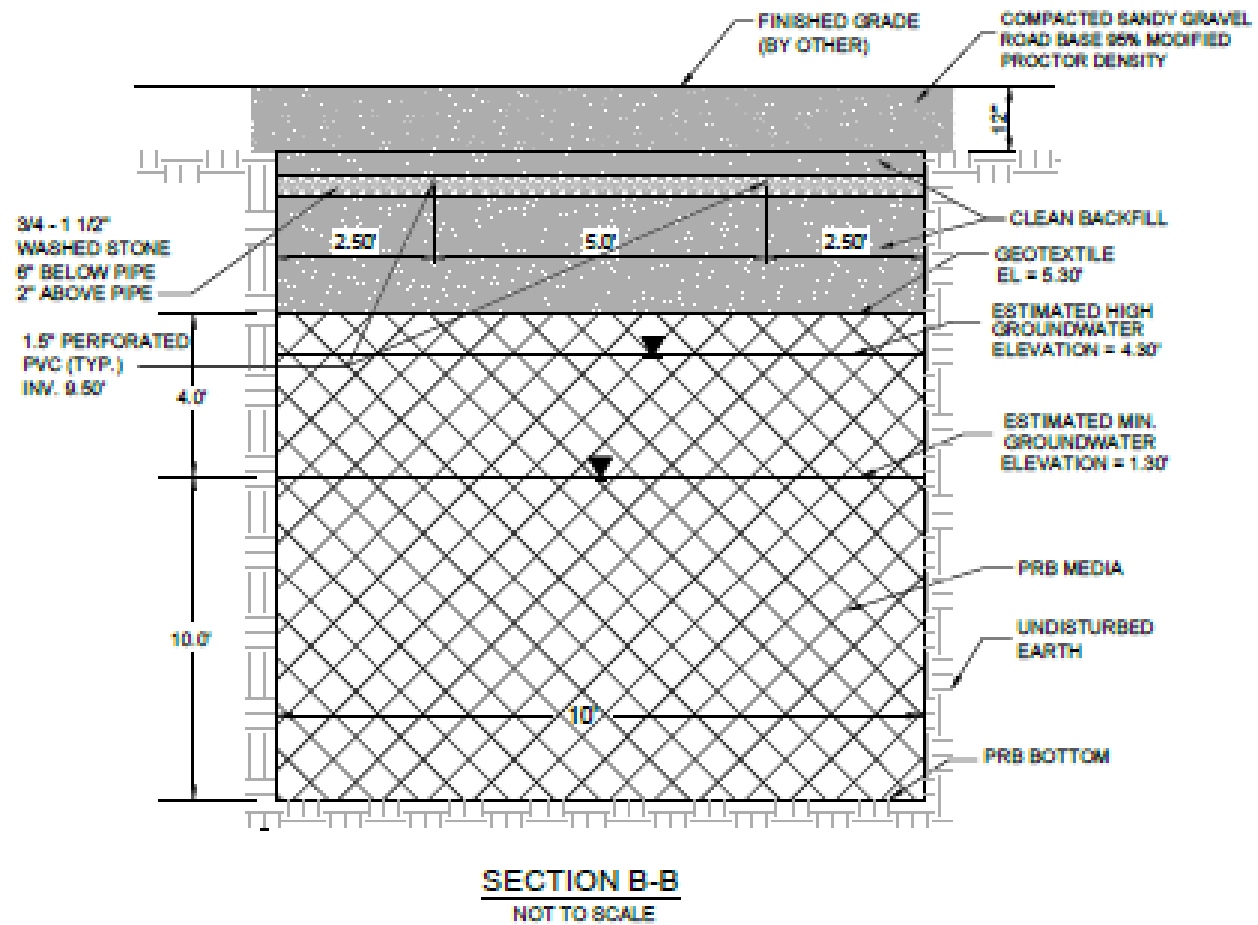


Figure 1-5 PRB Section B-B



**Figure 1-6 Nitrex PRB just prior to completion**

## 1. Wastewater Nitrogen Discharge

- a. Wastewater flow to drainfields is measured with a Badger™ Model M2000 magnetic flow meter located on the septic tank effluent force main between the drainfield pump station and the drainfield trenches, see Figures 1-2 and the expanded view in Figure 1-7. The flow signal is transmitted to the control panel in the Operations / Alkalinity Room in the CPI basement and is available in the form of live, real-time data and historical trend data via a local or remote connection. Data is stored in the cloud.
- b. Quality is measured by a NY State certified lab analysis of monthly samples of septic tank effluent from CPI wastewater system septic tank effluent pump station, as shown on Figures 1-2 and 1-7. Figure 1-8 is a cross-section of the pump station.

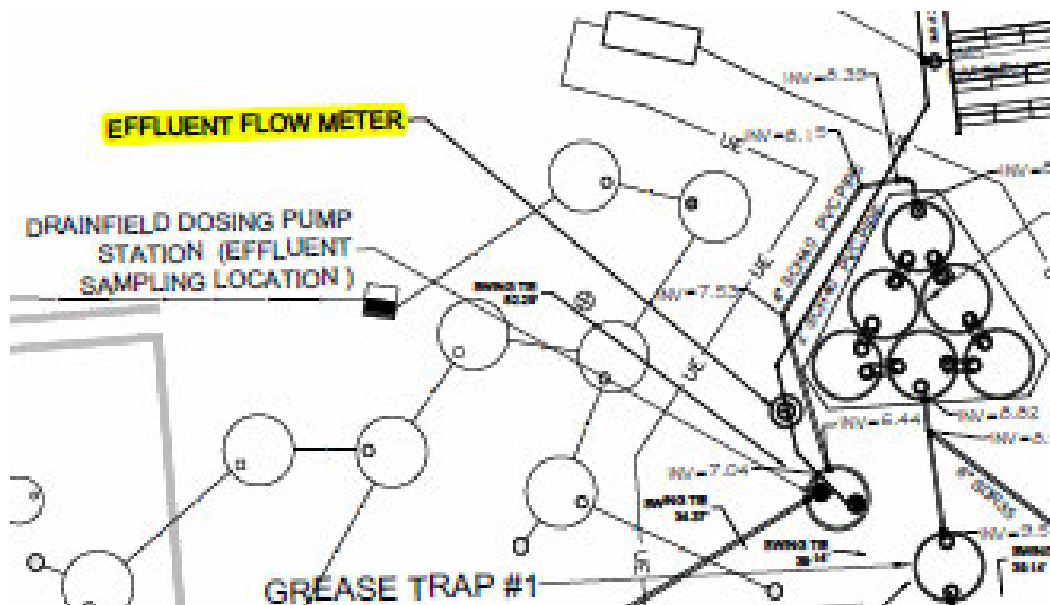
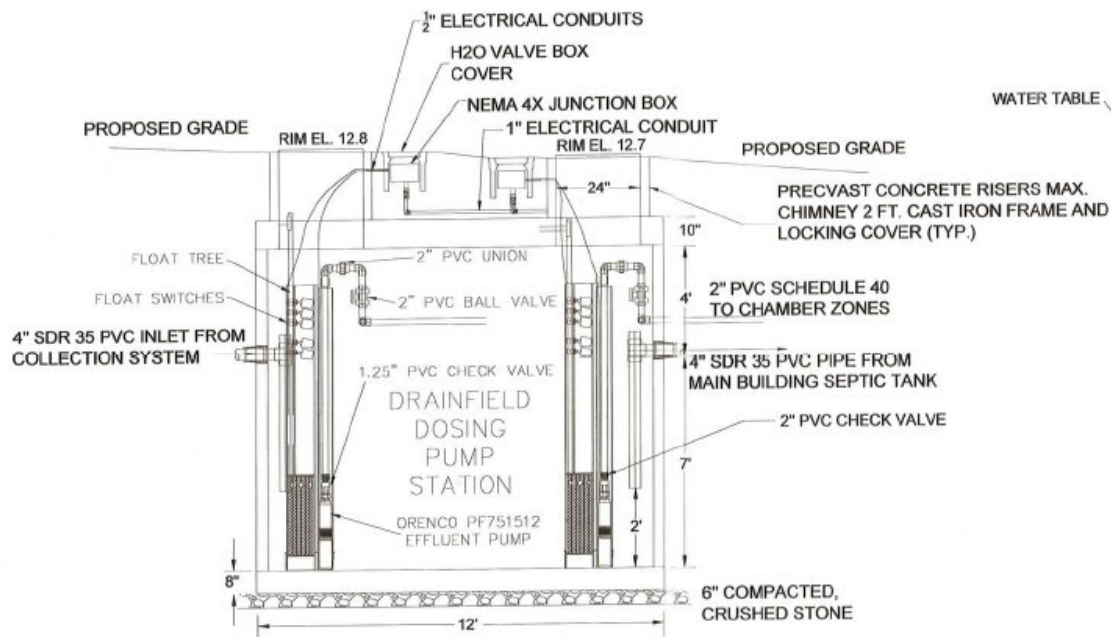


Figure 1-7 Wastewater Flow Meter & Sampling Locations – Expanded View

## 2. Groundwater Background Quality

Groundwater monitoring wells BG-2, BG1 are upgradient of the drainfield zones 1 through 4 and represent background water quality conditions.



**PUMP STATION PS-DD1 SECTION**

**Figure 1-8 Wastewater Sampling Pump Station**

### 3. Groundwater Elevations

- a. Groundwater elevations at the sixteen (16) +/- groundwater monitoring wells were routinely measured to determine groundwater flow direction. Depth to groundwater is measured from top of groundwater monitoring well casing and subtracted from surveyed top of casing well, presented on Table 1-1, which also includes typical depth of well into groundwater. Groundwater elevations change seasonally and as influenced by tides and operations of Shinnecock Canal locks. Continuous (every 20 minutes) groundwater elevation measurements by Hobo continuous monitoring sensors installed in wells # BG-1, BG-2, DF-1, DG1 and DG-3 is performed.

### 4. Drainfield Nitrogen Removal

- a. There are seven (7) drainfield zones, as shown on Figures 1-2 and 1-3.
- b. Wastewater distribution to the zones is controlled by the Programmable Logic Controller (PLC) by opening/closing valves to each zone. Monitoring well (MW) DF1 is in drainfield zone 1, DF2 is in drainfield zone 3 and DF3 is in drainfield zone 5. DF1 and DF2 are sampling the top of the aquifer, to estimate wastewater drainfield leachate quality. When zones 5, 6 and 7 are used for wastewater treatment, DF3 is a measure of wastewater drainfield leachate quality, otherwise it is a measure of background conditions.

### 5. PRB Nitrogen Removal

- a. Five (5) groundwater (GW) sampling wells downgradient (DG0.5, DG1, DG1.5, DG2 and DG3) of the PRB are sampled and analyzed for nitrogen and other water quality constituents to determine nitrogen removal through the PRB. An additional nine (9) deep GW wells downgradient of the PRB have been installed, sampled and lab analyzed to provide additional documentation on wastewater nitrogen removal.

In addition to the nitrogen series, wastewater and groundwater samples are also analyzed for pH, alkalinity, dissolved oxygen, conductivity, and limited sampling of downgradient wells for Biological Oxygen demand (BOD). BOD in downgradient wells is from the PRB and suggests that nitrate nitrogen removal will continue as groundwater flows off the CPI site. For reference, a minimum of 2.86 mg of BOD is required to denitrify 1.0 mg of nitrate-nitrogen.

#### 1.4 WASTEWATER FLOWS

CPI wastewater design flows are presented on Table 1-2. Table 1-3 presents the monthly average daily flows, with daily flow data in Appendix B.

**Table 1-2 CPI Wastewater Design Flows**

Building / Use	#	Units	Wastewater Design Flow (gpd)
Hotel Units <= 400 sf	7	Units	700
Hotel Units > 400 sf	13	Units	1,950
Cottage (601 sf to 1,200 sf)	2	Units	450
Cottage (>1,200 sf)	3	Units	900
Catering Hall	350	Seats	2,625
Restaurant	70	Seats	2,100
Bar	20	Seats	300
Outdoor Seats	120	Seats	1,800
<b>Total Flow (gpd)</b>			<b>10,825</b>

**Table 1-3 CPI Average Daily Wastewater Flows**

Month	Average Daily Flow (gpd)
Sep-23	4,608
Oct-23	3,253
Nov-23	3,047
Dec-23	3,159
Jan-24	2,579
Feb-24	2,215
Mar-24	2,668
Apr-24	2,405
May-24	4,546
Jun-24	6,052
Jul-24	7,288
Aug-24	7,426
<b>Summer (June-Aug) Average</b>	<b>6,922</b>
<b>Non-Summer (Sept. - May) Avg.</b>	<b>3,164</b>

## 1.5 WASTEWATER SYSTEM EQUIPMENT SIZES

Table 1-4 presents wastewater system sizes in the septic tanks and pump chamber and illustrates the dampening of wastewater flows and quality that will occur within the wastewater system.

**Table 1-4 CPI Septic Tank Sizes**

Cottage	ST Size (gallons)
1	1,500
2	1,500
3	1,500
4	1,500
5	1,500
CPI	21,000
Total	28,500

## 1.6 PERMITS

The CPI wastewater system is permitted by the Suffolk County Department of Health Services SPDES Permit No. NY-0287121, attached in Appendix A-1. The PRB system was approved by the Town of Southampton Planning Board with the stipulation that the wastewater /PRB system removes 94% of wastewater nitrogen discharged by CPI to groundwater, attached in Appendix A.

## 2 DATA

### 2.1 WASTEWATER GENERATION AND WASTEWATER NITROGEN DISCHARGED

Daily wastewater flows being discharged to the drainfields are presented in Appendix B with average daily values per month presented on Table 2-1, along with wastewater Total Nitrogen (TN) concentration and nitrogen mass discharged. Wastewater is evenly distributed to each of the operating drainfield zones, as shown on Figures 1-2 and 2-1. Zones 1 through 4 have disposal capacity of 6,286 gpd and are capable of treating virtually year round flow rates.

**Table 2-1 CPI Wastewater Average Daily Flows & Nitrogen Mass Discharged Per Month**

Monthly Average Canoe Place Inn - Wastewater			
Month	Daily Flow (gpd)	STE Nitrogen Conc. (mg/L)	Nitrogen Mass (kg/day)
Sep-23	4,608	51.1	0.89
Oct-23	3,253		
Nov-23	3,047		
Dec-23	3,159	41.6	0.50
Jan-24	2,579		
Feb-24	2,215	36.8	0.31
Mar-24	2,668		
Apr-24	2,405		
May-24	4,546	38.4	0.66
Jun-24	6,052		
Jul-24	7,288	31.8	0.88
Aug-24	7,426	30	0.84
Avg	4,104	38.28	0.68

CPI

LOMBARDO

**NITREX FLOW DATA**

SV #	FLOW (GPD)	SV OPEN (MIN)	# OF CYCLES	CALC FLOW
SV-1	2601.3	29.93	30	1765.58
SV-2	2495.3	29.39	32	1734.23
SV-3	2495.1	29.62	31	1747.64
SV-4	2564.7	30.00	30	1770.03
SV-5	0.0	0.00	0	0.00
SV-6	0.0	0.00	0	0.00
SV-7	0.0	0.00	0	0.00
TOTALS	10156.5	118.94	123	7017.49

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Main PS-

CPI

LOMBARDO

**NITREX FLOW DATA**

SV #	FLOW (GPD)	SV OPEN (MIN)	# OF CYCLES	CALC FLOW
SV-1	1648.4	20.73	22	1223.24
SV-2	1496.1	19.92	21	1175.57
SV-3	1458.0	19.67	20	1160.36
SV-4	1545.6	20.39	21	1203.15
SV-5	1594.9	20.73	22	1223.31
SV-6	1802.8	20.67	20	1219.37
SV-7	1623.7	20.70	21	1221.32
TOTALS	10969.6	142.82	147	8426.31

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Main PS-DD1

Figure 2-1 PLC Screen Shot of Flows to each Drainfield Zone

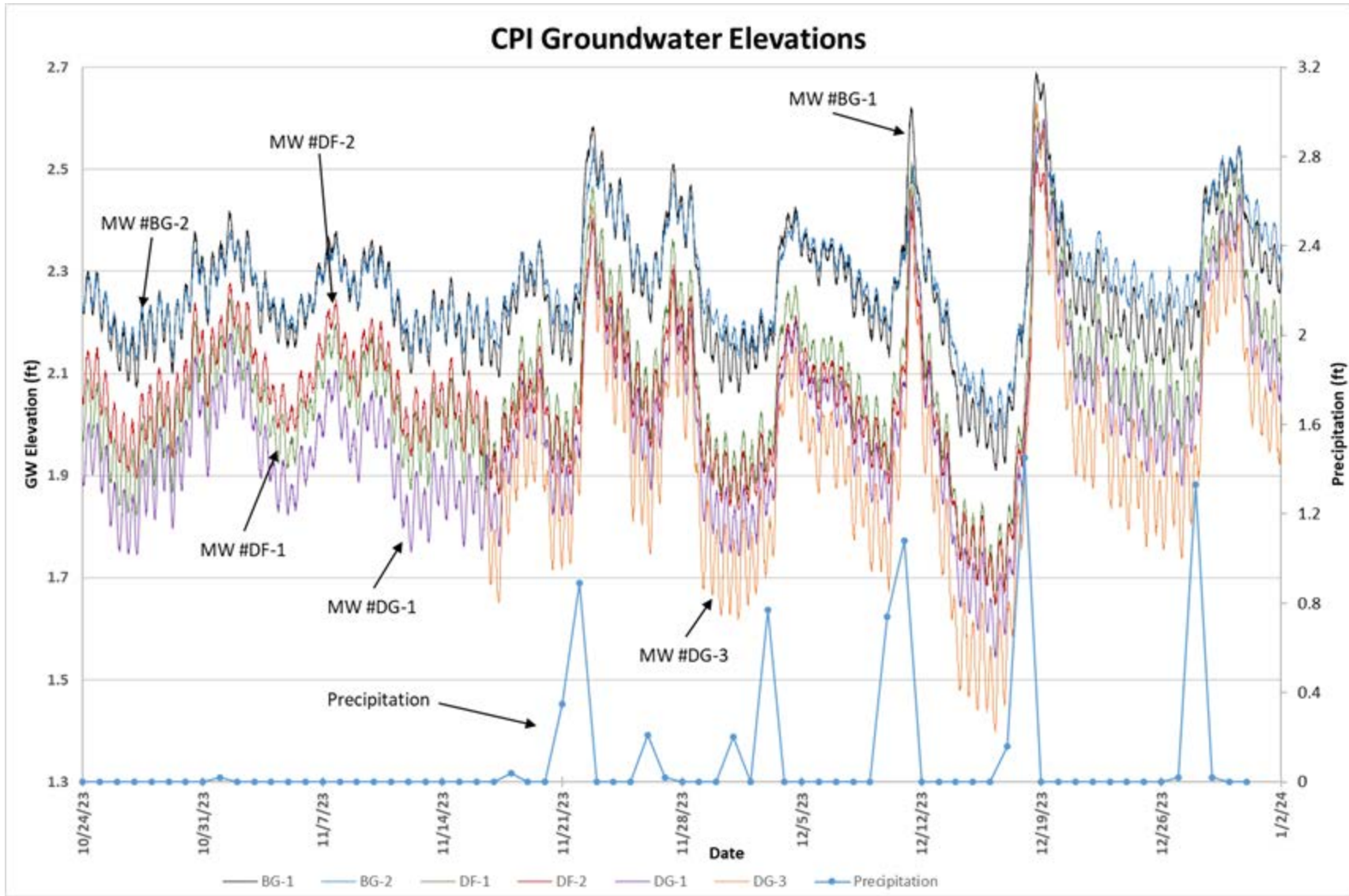
## 2.2 GROUNDWATER ELEVATIONS & SLOPE

Table 2-2 presents single point groundwater elevations measured during sampling events. Any use/interpretation of Table 2-2 data needs to consider tidal and other factors that affect groundwater elevations. Rather, groundwater elevations, with rainfall data from the weather station at Westhampton, see <http://climod2.nrcc.cornell.edu/>, presented on Figures 2-2-1 and 2-2-2 that are continuous (every 20 minutes) measurements by Hobo continuous monitoring groundwater elevation sensors installed in wells # BG-1, BG-2, DF-1, DG1 and DG-3 should be used. Due to moisture caused malfunctioning of the 2001-MX units, they were replaced with the Hobo U20L groundwater elevation sensors on Oct. 23, 2023. Figure 2-3 presents groundwater slope calculations, which show a slope of 0.002 to 0.003 – which is similar to the June 29, 2017 Canoe Place Inn Site Characterization Report measured groundwater slope of 0.00238. Figures 2.4.1 through 2.4.3 present Shinnecock Canal tide data, obtained from <https://www.tideschart.com/United-States/New-York/Suffolk-County/Shinnecock-Canal/>, which shows the tidal range is 2.5 +/- feet.

**Table 2-2 Groundwater Elevations Measured During Monthly Sampling Events**

Location Label	Groundwater Elevation (ft msl)							
	Date	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23
BG2	2.51	2.63	3.07	2.80		2.20	2.33	2.59
BG1	2.37	2.49	2.96	2.72		2.14	2.07	2.46
DG 0.5	2.17	2.21	2.51	2.45	2.38	1.88	1.2	2.11
DG 1	2.09	2.14	2.47	2.42	2.38	1.86	2.13	2.21
DG 1.5	2.17	2.14	2.49	2.43	2.36	2.09	2.24	2.27
DG 2	2.03	2.05	2.42	2.39	2.32	1.82	2.14	2.17
DG 3	1.96	2.02	2.33	2.36	1.3	1.71	2.11	1.97

Figure 2-5 presents a photo of iron staining on the Hobo Well UG-3 groundwater elevation monitoring device which illustrates the influence of PRB carbon release causing anaerobic conditions and reddish-brown iron oxide precipitation (as well as nitrogen removal via denitrification) on PRB upgradient wells due to tidal influences. The photo and dissolved oxygen measurements confirm that water flows back and forth through the PRB – not just in one direction. Consequently the influence of the PRB is noticed upgradient of the PRB.



**Figure 2-2-1 Ground Water Elevations and Precipitation 10/23/2023 to 1/2/2024**

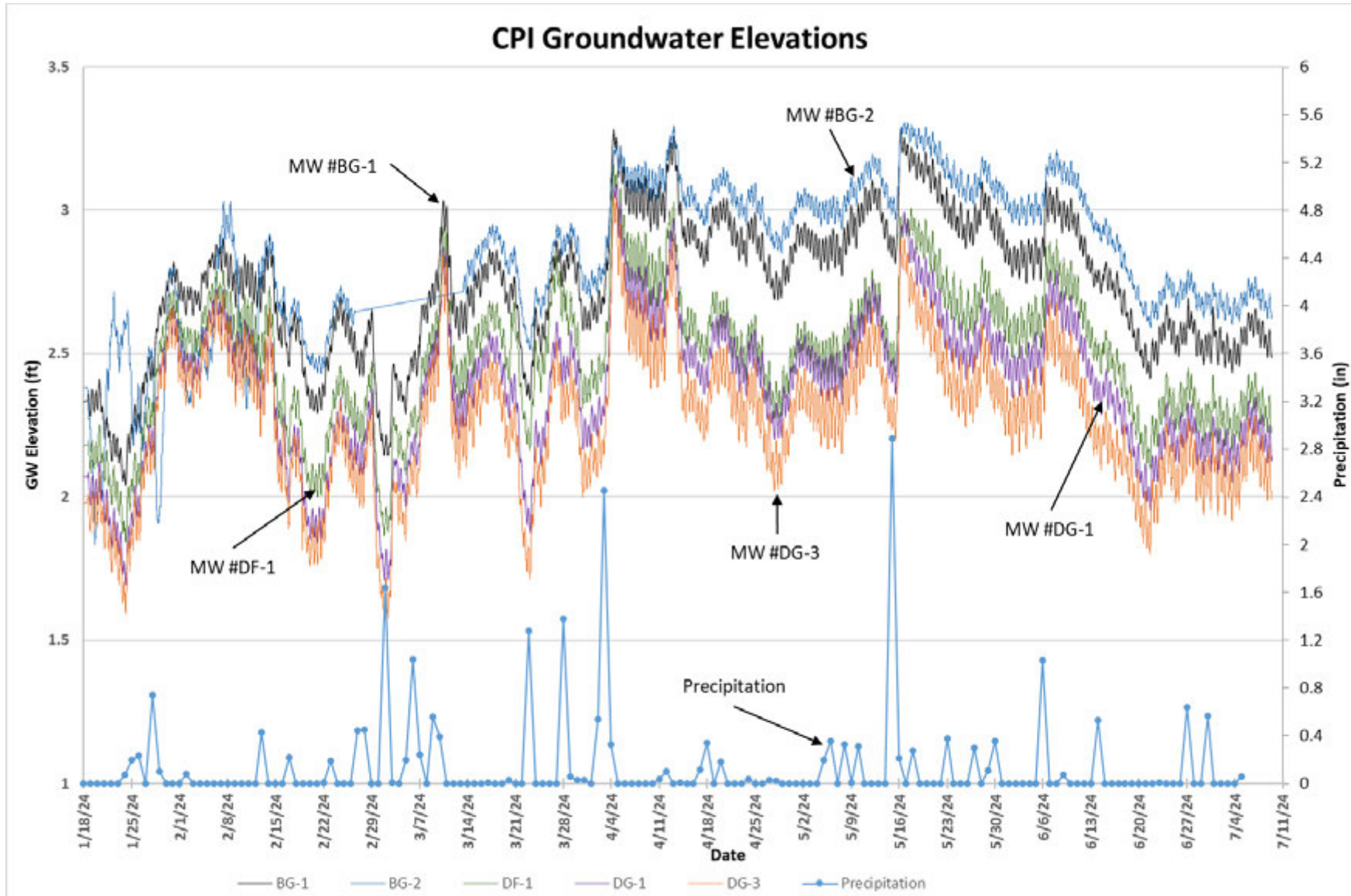
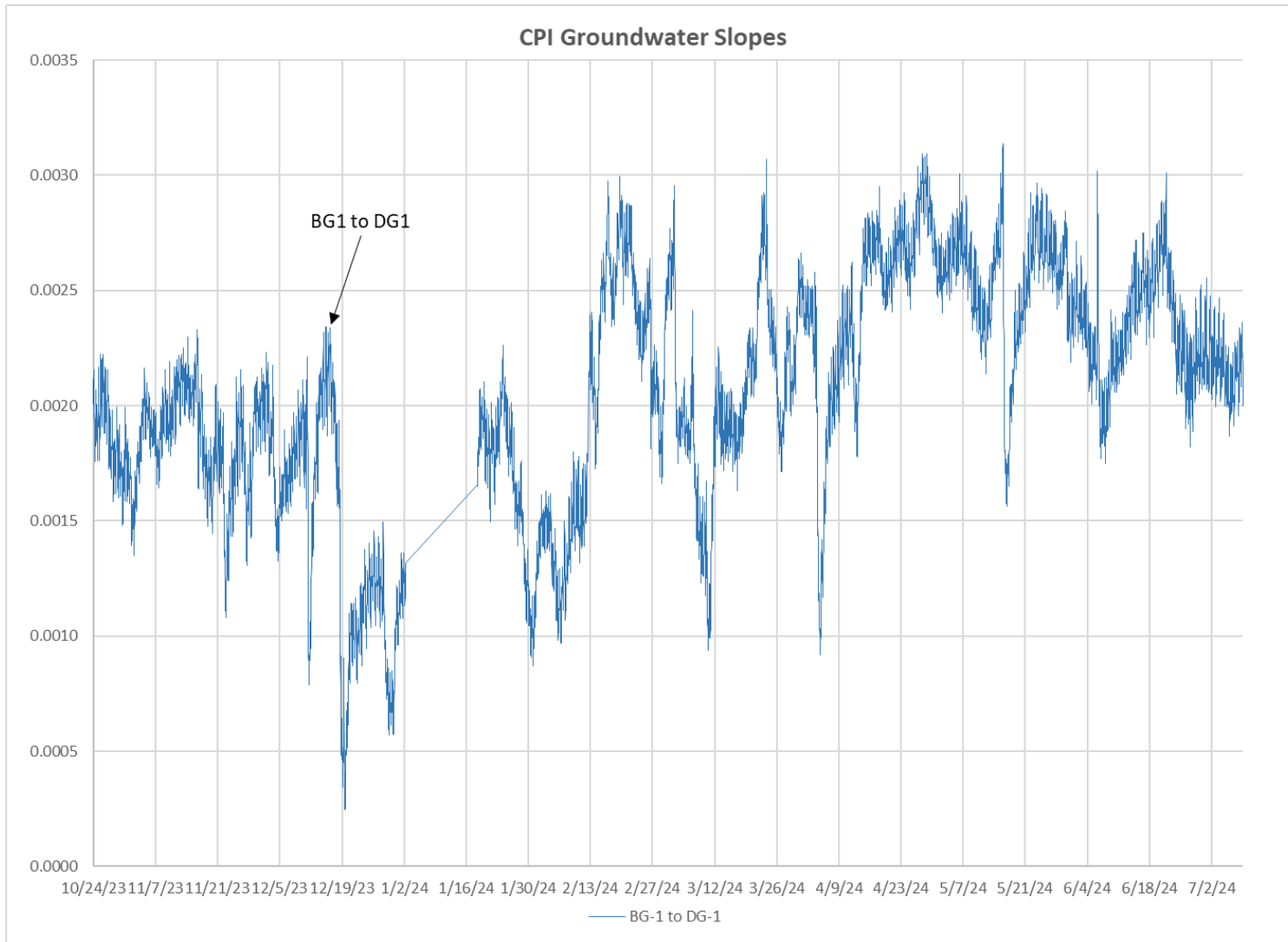


Figure 2-2-2 Ground Water Elevations and Precipitation 1/19/2024 to 7/10/2024



**Figure 2-3 CPI Site Groundwater Slopes**

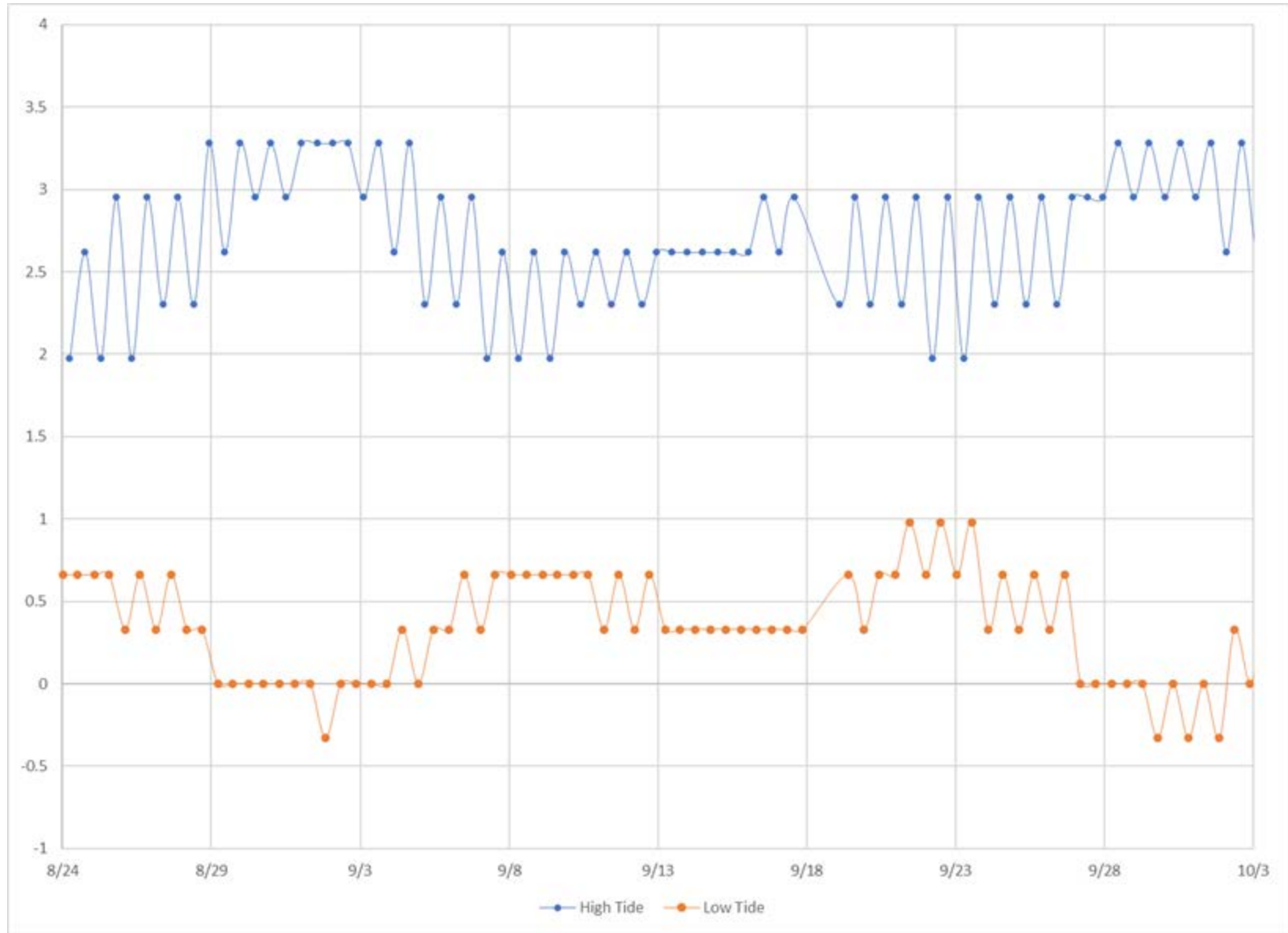
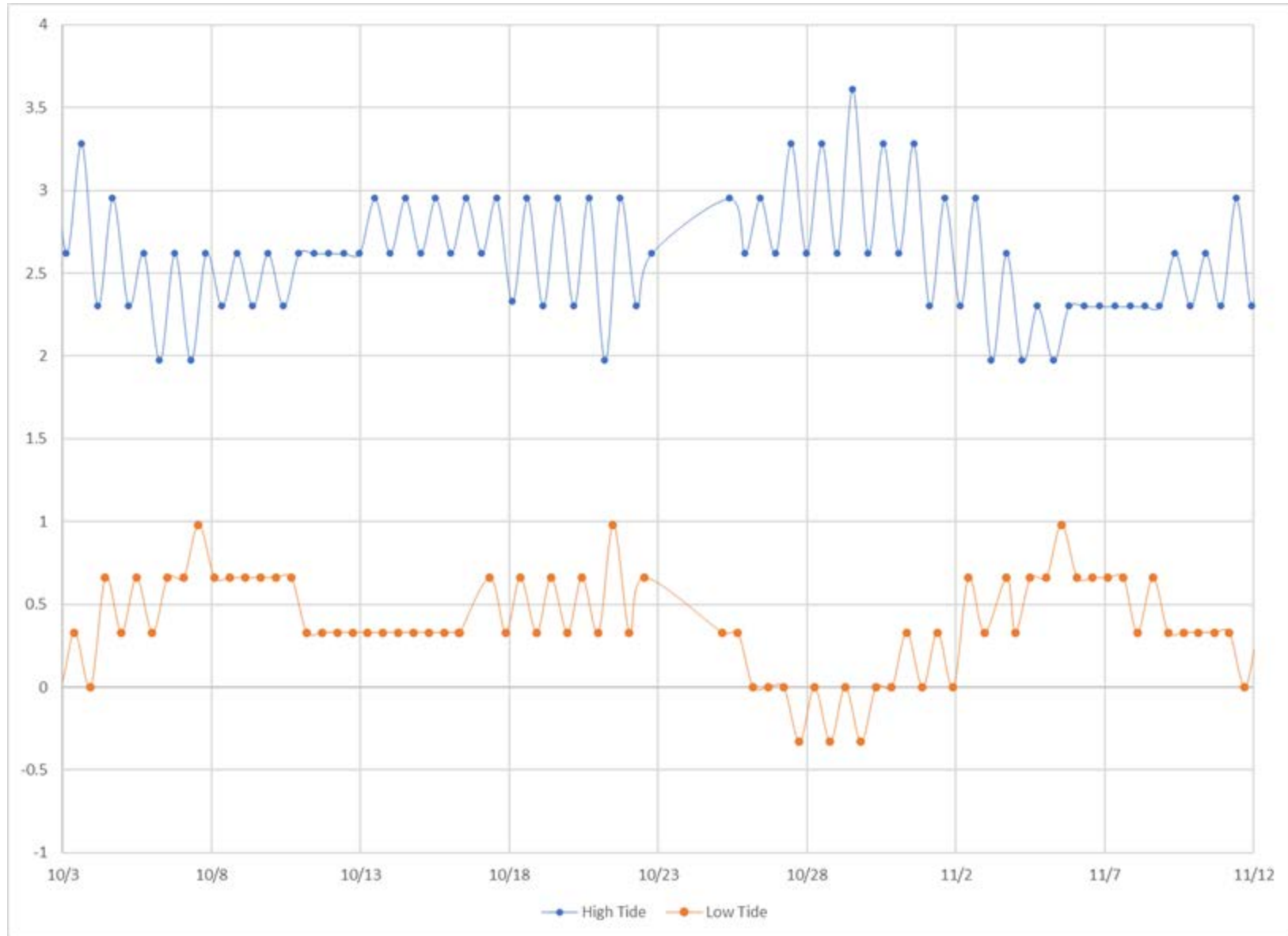
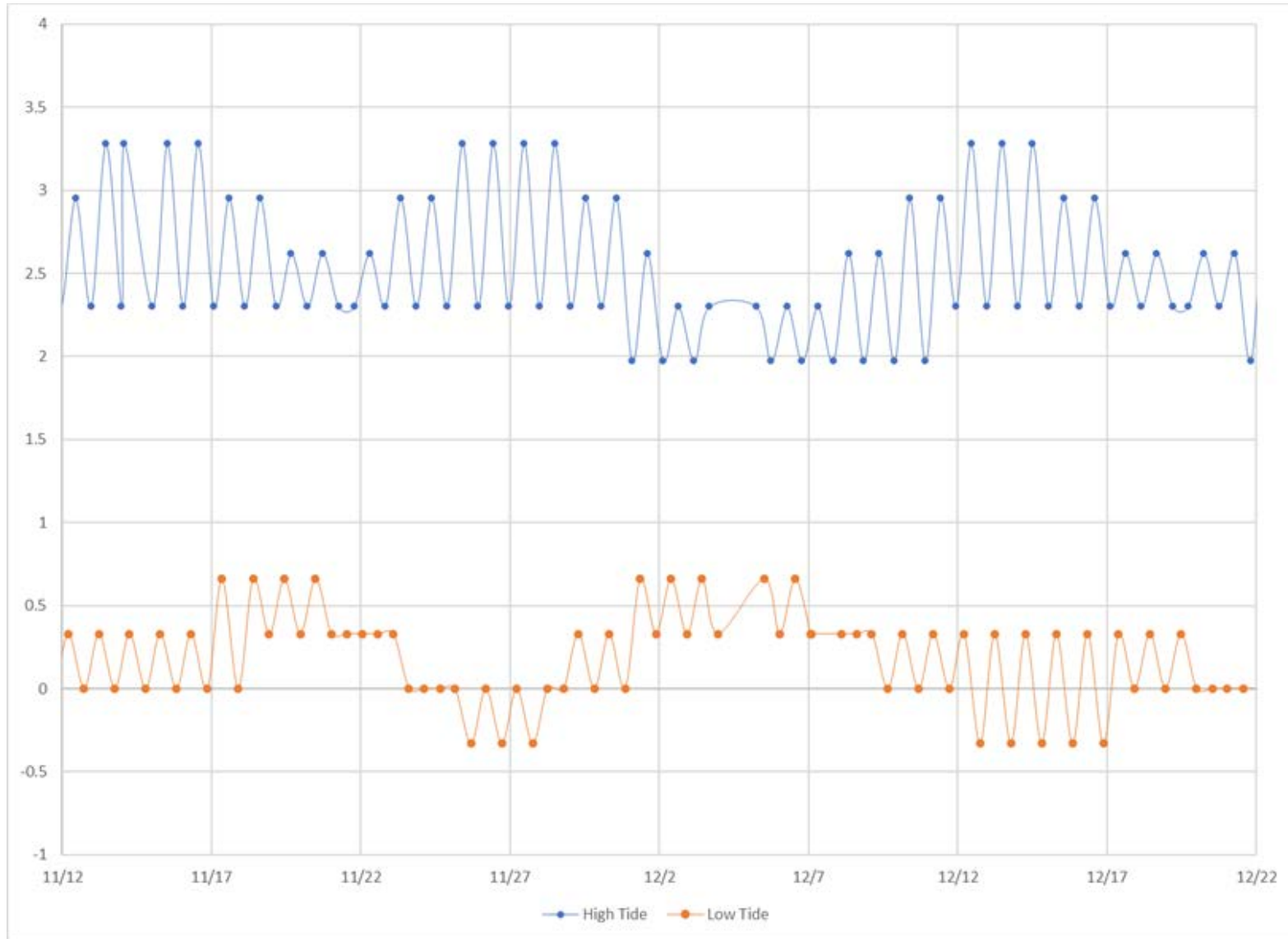


Figure 2-4-1 2023 Shinnecock Canal Tidal Data August 24 to October 3, 2023



**Figure 2-4-2 2023 Shinnecock Canal Tidal Data October 3 to November 11, 2023**



**Figure 2-4-3 2023 Shinnecock Canal Tidal Data November 11 to December 22, 2023**



**Figure 2-5 Well UG-3 GW Elevation Monitoring Device Iron Staining**

### **2.3 GROUNDWATER FLUX AT THE PRB**

PRB groundwater flux is the volume of groundwater that flows through the PRB's cross sectional area. Impacts due to tidal influence on shown on the reduced iron stains on an upgradient MW sensor.

As described in Section 4 of the June 29, 2017 CPI Site Characterization Report, groundwater flow (i.e. flux) through the PRB is determined using Darcy's law:

$$\text{Velocity (V)} = K * i$$

Where:

- V = Groundwater velocity (same units as K)
- K = Hydraulic conductivity (cm/sec or ft/day)
- i = groundwater gradient (slope)

The 2017 Report determined that K=238 feet day and i=0.00238. Figure 2-3 2024 measured groundwater slopes suggest using same GW slope as 2017 report. The PRB is 165 feet long and ~ 11 feet in groundwater, resulting in a cross-sectional area of 1,815 square feet. Table 2-3 presents the estimates groundwater flow through the PRB.

**Table 2-3 Groundwater Flow Through PRB**

Groundwater Flow Through PRB <sup>(1)</sup>		
GW Slope (i)	0.0020	
Hydraulic Conductivity (K)	238	ft/day
Flux	0.476	ft/day
Porosity	0.3	
GW Linear Velocity	1.59	ft/day
PRB Length	165	feet
PRB Width	11	feet
PRB Area	1,815	sf
Forward Flow thru PRB	6,462	gpd
<sup>(1)</sup> Water quality data indicates that PRRB influences groundwater upgradient of PRB. Due to tidal influence, groundwater likely oscillates back & forth through PRB. Consequently, it is likely that more groundwater "flows" through PRB than forward flow calculations.		

As noted on Table 2-3 and as shown on Figure 2-5, based upon water quality data (see Section 2.4), it is likely that groundwater oscillates through the PRB caused by tidal cycles. Consequently, it is likely that more groundwater "flows" through PRB than forward flow calculations. As described in the following Water Quality Data section, low dissolved concentrations in wells upgradient of the PRB indicate PRB influence upgradient of PRB.

## 2.4 WATER QUALITY DATA

Groundwater quality was measured in the field with portable instruments for:

- pH & Temperature with Oakton pH Testr 30
- Conductivity with ExTech Instruments ExStik EC400
- Dissolved Oxygen with YSI - Eco Sense DO200A

Well groundwater samples were collected and analyzed at York Analytical Laboratories, Inc., a NYS certified laboratory, for:

- Alkalinity
- Total Kjeldahl Nitrogen (TKN)
- Ammonia-Nitrogen
- Nitrite-Nitrogen
- Nitrate-Nitrogen
- BOD – starting in June 2023 for PRB downgradient wells & #3

with Total Nitrogen and Organic Nitrogen computed based upon the above nitrogen analysis. Sampling followed New York State Department of Environmental Conservation's Protocol for sampling Groundwater Monitoring Wells with purging three (3) to five (5) times the well volume.

For reference, Total Nitrogen = TKN + Nitrite-N + Nitrate-N; with TKN = Organic-N + Ammonia-N

Tables of the monthly data field measurements and lab results are presented in Appendix C. Field measurement data sheets and analytical laboratory results reports are presented in Appendix D.

Tables 2-4.1 through 2.4.5 presents summarized averaged water quality data by date and location of:

Background  
Downgradient to PRB  
Wastewater

Tables 2-5.1 through 2-5.10 present summarized spreadsheets of the field measurements and lab results.

**Table 2-4.1 Summarized Groundwater Quality Data by Location Sept. 2023 thru Dec. 2023**

26-Sep-23													
CPI Groundwater Quality Background, Post PRB & Wastewater Quality	pH	Temp (°C)	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
Background (BG-2 & BG1)	6.41	16.05	60.89	4.25	729		103	2.68	2.65	0.03	0.00	8.86	11.54
Downgradient of PRB (DG -1, DG-1.5 & DG-2)	6.13	17.23	63.02	1.53	839	5	270	2.25	0.44	1.80	0.00	0.21	2.45
Wastewater	7.10	19.60	67.28	0.80	1626		520	51.00	12.00	39.0	0.00	0.06	51.06

23-Oct-23													
CPI Wastewater Quality; Groundwater Quality Background & Post PRB	pH	Temp (°C)	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
Background (BG-2 & BG1)	6.01	15.85	60.53	5.22	543								
Downgradient of PRB (DG -1, DG-1.5 & DG-2)	6.47	17.73	63.92	1.95	835	11	293	3.87	1.02	2.85	0.00	0.31	4.18
Wastewater	7.19	23.50	74.30	0.50	1483								

16-Nov-23													
CPI Groundwater Quality Post PRB	pH	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
Downgradient of PRB (DG1.5DP A & DG1.5DP-B)	6.86	61.16	1.41	938.00	<3.5	340.00	3.52	1.83	1.69	<0.0500	5.61	9.13	

19-Dec-23													
CPI Groundwater Quality Background, Post PRB & Wastewater Quality	pH	Temp (°F)	Specific Conductivity	Dissolved Oxygen (mg/L)	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)		
Background (BG-2 & BG1)													
1.5, DG-2 DG-3, DG1.5DP A, DG1.5DP-B & DG3-DPB)	6.43	57.63	814.40	2.78	266.00	5.78	2.29	4.36	<0.0500	4.20	8.81		
Wastewater	7.49	64.40	1,472	0.78	580	41.6	2.10	39.5	<0.0500	<0.0500	41.60		

**Table 2-4.2 Summarized Groundwater Quality Data by Location Feb. 2024 thru Aug. 2024**

12-Feb-24													
CPI Groundwater Quality Background, Post PRB & Wastewater Quality	pH	Temp (°C)	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
Background (BG-2 & BG1)	5.78	14.00	57.20	6.52	570		12.0	1.17	1.17	<0.0500	<0.0500	8.41	9.57
Downgradient of PRB (DG -1, DG-1.5, DG-2, & DG-3)	6.41	13.63	56.54	1.75	979	7.17	317	10.91	0.77	10.14	<0.0500	0.35	11.26
Wastewater	7.65	12.60	54.68	1.42	1,236	210	490	36.80	1.30	35.50	<0.0500	<0.0500	36.80

Sampling Date: 05/30/24														
CPI Groundwater Quality Background, Post PRB & Wastewater Quality	pH	Temp (oC)	Temp (oF)	Specific Conductivity	Dissolved Oxygen (mg/L)	BOD (mg/L)	Chloride (mg/L)	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
Background (BG-2 & BG1)	6.01	17.5	63.4	511	5.43	N/A	88.8	37.0	2.14	2.14	<0.0500	<0.0500	10.8	12.95
Downgradient of PRB (DG -1, DG-1.5, DG-2, DG-3 & DG1.5 DPA)	6.44	18.0	64.4	798	1.24	<7.6	76.7	250	5.41	1.35	4.49	<0.0500	1.15	8.01
Wastewater	7.64	23.4	74.1	1,850	0.41	N/A	139	700	38.4	3.60	34.8	<0.0500	<0.0500	38.40

Sampling Date : 07/09/24													
CPI Groundwater Quality Background, Post PRB & Wastewater Quality	pH	Temp (oC)	Temp (oF)	Specific Conductivity	Dissolved Oxygen (mg/L)	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
Background (BG-2 & BG1)	6.27	20.5	68.8	519	4.04	273	2.41	1.68	0.73	<0.0500	3.82	6.24	
Downgradient of PRB (DG -1, DG-1.5, DG-2, DG-3 & DG1.5 DPA)	6.50	18.5	65.4	801	1.31	280	5.97	1.25	4.73	<0.0500	1.19	8.02	
Wastewater	7.74	30.0	86.0	1,012	0.23	740	31.8	1.40	30.4	<0.0500	<0.0500	31.8	

Sampling Date : 08/15/2024												
CPI Groundwater Quality Background, Post PRB & Wastewater Quality	pH	Temp (oF)	Specific Conductivity	Dissolved Oxygen (mg/L)	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
Background (BG-2 & BG1)	6.16	68.81	820.00	3.82	189.00	7.26	1.86	5.41	0.63	13.55	21.45	
Downgradient of PRB (DG -1, DG-1.5, DG-2, DG-3 & DG1.5 DPA)	6.42	67.9	680.6	2.3	173.4	4.4	0.9	4.1	<0.0500	4.6	8.3	
Wastewater	7.13	83.1	1,431	0.12	450	30.0	0.80	29.2	<0.0500	<0.0500	30.00	

**Table 2-5.1 Summarized Groundwater Quality Data – pH**

Location Label	pH							
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg
BG2	5.46	5.74	5.85	5.64		5.60	6.01	5.72
BG1	6.85	6.80	6.16	5.92		6.41	6.81	6.49
DG 0.5	5.78	5.77	5.94	5.78	5.9	6.36	5.92	5.92
DG 1	6.38	6.40	6.34	6.28	6.28	6.47	6.09	6.32
DG 1.5	6.71	6.74	6.62	6.62	6.69	6.59	6.21	6.60
DG 2	6.39	6.35	6.35	6.34	6.08	6.34	6.10	6.28
DG 3	6.32	6.23	6.61	6.31	6.47	6.5	6.2	6.38
DG 1.5 DPA	6.87	6.77	6.86		6.61			6.78
DG 1.5 DPB	6.47	6.72	6.86		6.62			6.67
WW Pump Chamber	7.13	7.74	7.64	7.65	7.49	7.19	7.1	7.42

**Table 2-5.2 Summarized Groundwater Quality Data – Temp**

Location Label	Temp (°C)							
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg
BG2	19.2	19.7	19.5	13.4		14.8	15.3	17.0
BG1	21.7	21.2	15.4	14.6		16.9	16.8	17.8
DG 0.5	20.6	19.6	17.1	13.5	14.1	17.6	16.1	16.9
DG 1	19.8	19.3	18.1	12.8	13.5	17.9	16.8	16.9
DG 1.5	20.4	17.0	18.4	13.6	14.9	16.5	17.6	16.9
DG 2	19.8	19.3	17.5	14.5	13.9	18.8	17.3	17.3
DG 3	21.0	21.4	17.9	13.2	14.9	17.5	17.8	17.7
DG 1.5 DPA	19.0	19.3	16.4		14			17.18
DG 1.5 DPB	19.1	18.9	16.1		14.8			17.23
WW Pump Chamber	28.4	30	23.4	12.6	18	23.5	19.6	22.2

**Table 2-5.3 Summarized Groundwater Quality Data – Specific Conductivity**

Location Label	Specific Conductivity (uS/cm)							
	Date	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23
BG2	438	383	470	805		621	612	555
BG1	1,202	655	551	335		465	846	676
DG 0.5	412	450	454	530	1,079	737	761	632
DG 1	701	595	597	718	732	711	747	686
DG 1.5	1,037	1,082	1,120	1,220	1,270	1,033	1,067	1,118
DG 2	730	725	677	1,000	301	760	703	699
DG 3	645	569	1,247	885	833	217	759	736
DG 1.5 DPA	682	878	899		936			849
DG 1.5 DPB	557	657	691		864			692
WW Pump Chamber		1,012	1,850	1,236	1,472	1,483	1,626	1,447

**Table 2-5.4 Summarized Groundwater Quality Data – Alkalinity**

Location Label	Alkalinity (mg/L as CaCO3)							
	Date	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23
BG2	8	16	10	5			6	9
BG1	370	530	64	19			200	237
DG 0.5	20	40	20	20	24	88	10	32
DG 1	160	140	140	140	160	240	200	169
DG 1.5	390	410	390	450	510	370	400	417
DG 2	280	290	220	360	100	270	210	247
DG 3	220	180	210	320	260	220	260	239
DG 1.5 DPA	84	230	240		300			214
DG 1.5 DPB	60	110	140		240			138
WW Pump Chamber	450	740		490	580		520	556

**Table 2-5.5 Summarized Groundwater Quality Data – Nitrite-N**

Location Label	Nitrite-N (mg/L)							
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg
BG2	N.D.	N.D.	N.D.	N.D.			N.D.	0.00
BG1	1.26	N.D.	N.D.	N.D.			N.D.	0.25
DG 0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.00
DG 1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.00
DG 1.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.00
DG 2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.00
DG 3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.00
DG 1.5 DPA	N.D.	N.D.	N.D.		N.D.			ND
DG 1.5 DPB	N.D.	N.D.	N.D.		N.D.			0.00
WW Pump Chamber	N.D.	N.D.	N.D.	N.D.	N.D.		N.D.	0.00

**Table 2-5.6 Summarized Groundwater Quality Data – TKN**

Location Label	TKN (mg/L)							
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg
BG2	1.82	2.50	1.77	1.31			2.50	1.98
BG1	12.7	2.32	2.50	1.02			2.86	4.28
DG 0.5	1.50	1.33	1.78	1.38	1.65	2.1	0.92	1.52
DG 1	1.96	1.02	2.46	1.12	1.88	2.22	0.75	1.63
DG 1.5	10.9	11.0	11.0	21.8	17.4	6.80	2.58	11.64
DG 2	5.45	5.90	2.76	9.80	1.84	2.60	3.41	4.54
DG 3	2.62	1.13	1.8	3.83	4.6	2.4	1.43	2.54
DG 1.5 DPA	5.60	9.3	13.3		3.17			7.84
DG 1.5 DPB	2.88	3.38	5.85		2.56			3.67
WW Pump Chamber	30	31.8	38.4	36.8	41.6		51	38.3

**Table 2-5.7 Summarized Groundwater Quality Data – Ammonia-N**

Location Label	Ammonia-N (mg/L)							
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg
BG2	0.11	0.25	N.D.	N.D.			0.07	0.09
BG1	10.7	1.21	N.D.	N.D.			N.D.	2.38
DG 0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.54	0.08
DG 1	0.655	0.18	0.47	0.51	N.D.	1.78	0.47	0.58
DG 1.5	10.3	8.48	10.3	20.8	13.7	4.69	2.58	10.12
DG 2	5.27	5.52	2.71	9.11	0.90	2.08	2.36	3.99
DG 3	1.97	0.931	1.4	2.71	1.03	2.1	0.734	1.55
DG 1.5 DPA	4.75	8.15	12.1		1.79			6.70
DG 1.5 DPB	1.55	2.85	3.87		4.06			3.08
WW Pump Chamber	29.2	30.4	34.8	35.5	39.5		39	34.7

**Table 2-5.8 Summarized Groundwater Quality Data – Nitrate-N**

Location Label	Nitrate-N (mg/L)								Theoretical Add'l NO <sub>3</sub> -N Removal with Residual BOD (mg/L)	Projected NO <sub>3</sub> -N conc. prior to Shinnecock Bay
	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg		
BG2	8.80	7.59	9.78	10.6			7.78	8.91		
BG1	18.3	0.05	11.8	6.22			9.93	9.26		
DG 0.5	6.9	6.01	5.68	6.01	5.52	3.78	6.88	5.83	0.49	5.34
DG 1	3.84	3.31	2.17	0.96	3.08	0.76	0.46	2.08	2.86	-0.78
DG 1.5	0.152	0.10	N.D.	0.10	N.D.	0.15	0.17	0.10	2.78	0.00
DG 2	N.D.	0.16	0.12	N.D.	0.18	N.D.	N.D.	0.07	2.73	0.00
DG 3	0.17	0.077	0.112	0.0546	8.07	0.263	0.204	1.28	3.63	0.00
DG 1.5 DPA	6.00	5.01	2.19		5.79			4.75		
DG 1.5 DPB	10.40	11.8	6.82		1.23			7.56		
WW Pump Chamber	N.D.	N.D.	N.D.	N.D.	N.D.		0.0589	0.01		

**Table 2-5.9 Summarized Groundwater Quality Data – Total Nitrogen**

Location Label	Total N (mg/L)								Projected TN conc. prior to Shinnecock Bay
	Date	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	
BG2	10.6	10.1	11.6	11.9			10.3	10.9	
BG1	32.3	2.37	14.3	7.24			12.8	13.8	
DG 0.5	8.40	7.34	7.46	7.39	7.17	5.88	7.80	7.35	6.86
DG 1	5.80	4.3	4.63	2.08	4.96	2.98	1.21	3.71	0.85
DG 1.5	11.1	11.1	11.0	21.9	17.4	6.95	2.75	11.7	11.65
DG 2	5.45	6.06	2.88	9.80	2.02	2.60	3.41	4.60	4.54
DG 3	2.79	1.21	1.91	3.88	12.7	2.66	1.63	3.83	2.55
DG 1.5 DPA	11.60	14.3	15.5		8.96			12.59	
DG 1.5 DPB	13.30	11.8	12.7		6.24			11.01	
WW Pump Chamber	30	31.8	38.4	36.8	41.6		51.1	38.3	

**Table 2-5.10 Summarized Groundwater Quality Data – Dissolved Oxygen**

Location Label	Dissolved Oxygen (mg/L)								
	Date	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23	Avg
BG2	6.3	5.8	6.6	6.5			6.9	5.9	6.3
BG1	1.4	2.2	4.3	6.5			3.6	2.6	3.4
DG 0.5	4.0	4.2	4.9	5.4	3.4		1.8	5.4	4.1
DG 1	1.5	1.4	1.5	2.7	4.3		2.7	1.5	2.2
DG 1.5	1.0	1.4	0.9	1.6	2.4		1.2	1.9	1.5
DG 2	1.1	1.2	1.4	0.9	1.1		2.0	1.2	1.3
DG 3	1.8	2.2	2.1	1.7	4.3		3.6	1.9	2.5
DG 1.5 DPA	2.4	1.6	1.4		1.9				1.8
DG 1.5 DPB	4.5	3.7	4.1		2.7				3.7
WW Pump Chamber	0.1	0.2	0.4	1.4	0.8		0.5	0.8	0.6

Table 2-5.11 Summarized Groundwater Quality Data – BOD

Location Label	BOD								Theoretical Add'l NO3-N Removal with Residual BOD (mg/L)		
	Date	15-Aug-24	9-Jul-24	30-May-24	12-Feb-24	19-Dec-23	23-Oct-23	26-Sep-23		Avg*	
DG 0.5			<3.1				<2.4	<3.0	1.4	0.49	
DG 1			<7.5	10			8	<24	8.2	2.86	
DG 1.5			<7.6	12			9	7	8.0	2.78	
DG 2			<7.6	<4.8			16	9	7.8	2.73	
DG 3			8	16			10	8	10	3.63	
*50% of detection limit used for average								Average	7.1	<b>Average</b>	<b>2.50</b>

### SECTION 3 NITROGEN REMOVAL – WASTEWATER & OTHER SOURCES

Based upon the Section 2.4 water quality data, in particular Table 2-5.9, the following observations and conclusions are made. Groundwater Total Nitrogen (TN) concentrations upgradient of the drainfields and PRB are 10 +/- mg/L. Groundwater TN concentrations downgradient (wells DG -1, DG-1.5, DG-2, DG-3, DG1.5 DPA & DG 1.5 DPB) of the PRB average 6.83 mg/L. Well DG 0.5 is not downgradient of the PRB as evidenced by water quality data, in particular alkalinity, which is low and comparable to background values. PRB denitrification increases groundwater alkalinity. Based upon the data and these summary statements, Table 3-1 presents the nitrogen removal by the wastewater treatment and PRB system, and as a percent of discharged wastewater nitrogen.

**Table 3-1 Wastewater Treatment & PRB System TN Removal**

Wastewater Treatment & PRB System TN Removal		
Average wastewater TN discharged (kg/day)	0.68	see note (1)
Groundwater flow through PRB (gpd)	6,462	
Post PRB - Change in GW TN vs Background (mg/L)	3.17	5.67
PRB Nitrogen Removal in addition to Wastewater TN (kg/day)	0.17	0.31
<b>Wastewater Treatment &amp; PRB System TN Removal as % of Wastewater TN discharge</b>	<b>125%</b>	<b>145%</b>
(1) With consideration of additional TN removal downgradient of CPI prior to Shinnecock Bay due to residual BOD in GW from PRB.		

Table 3-2 presents estimate of the plume depths from use of the seven (7) drainfield zones. The screened intervals of monitoring wells DG1.5 DPA & DG 1.5 DPB capture wastewater flow at the deeper depths when zones 6 and 7 are used. Data for those wells is included in the section 2.4 data discussion.

**Table 3-2 Drainfield Plumes Estimated Depths**

CPI Septic Plume Depth at PRB Calculations			
Drainfield Area Zones 1 - 4 Area (sf)	11,280		
Drainfield Area Zones 1 - 5 Area (sf)		14,268	
Drainfield Area Zones 1 - 7 Area (sf)			19,975
	Winter	Summer	
Wastewater Loading (gpd)	3,058	4,407	6,170
Wastewater Loading (in./day)	0.435	0.496	0.496
Drainfield length (ft)	100	200	300
Groundwater Velocity (ft./yr)	579	579	579
Plume Time Under Drainfield (days)	63.0	126	189
Plume thickness(i.e. depth) at downgradient edge of drainfield (ft)	7.6	17.4	26.0
Avg. Distance Drainfield Edge to PRB (ft)	25	25	25
Precipitation Recharge ft./ year	1.83	1.83	1.83
Depth to Top of Plume at PRB (ft)	0.26	0.26	0.26
Depth to Bottom of Plume at PRB (ft)	7.88	17.61	26.29

# APPENDIX A SPDES PERMIT & DECLARATION OF COVENANTS & RESTRICTIONS

## COUNTY OF SUFFOLK



**STEVEN BELLONE**  
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

**JAMES L. TOMARKEN, MD, MPH, MBA, MSW**  
Commissioner

December 28, 2017

R Squared Development LLC  
85 South Service Road  
Plainview, NY 11803

Re: State Pollutant Discharge Elimination System (SPDES) Permit No. NY-0287121  
SCDHS Ref. No. C09-15-0037, Canoe Place Inn and Cottages

Dear Sir:

Enclosed please find a copy of the State Pollutant Discharge Elimination System Permit (SPDES) issued for the above referenced facility. This permit should be kept available on the premises of the discharging facility.

Please read the "Other Conditions". If you have any questions or concerns please contact our office at (631) 852-5700.

Very truly yours,

Joyce Bazoge  
Office of Wastewater Management

Enclosure

cc: Division of Water Bureau of Wastewater Permits, NYSDEC, Albany  
Regional Water Engineer, NYSDEC, Stony Brook



DIVISION OF ENVIRONMENTAL QUALITY  
Office of Wastewater Management, 360 Yaphank Avenue, Suite 2C, Yaphank NY 11980  
(631) 852-6700 Fax (631) 852-5755

APPLICATION FORM "D"

for a State Pollutant Discharge Elimination System (SPDES) Permit

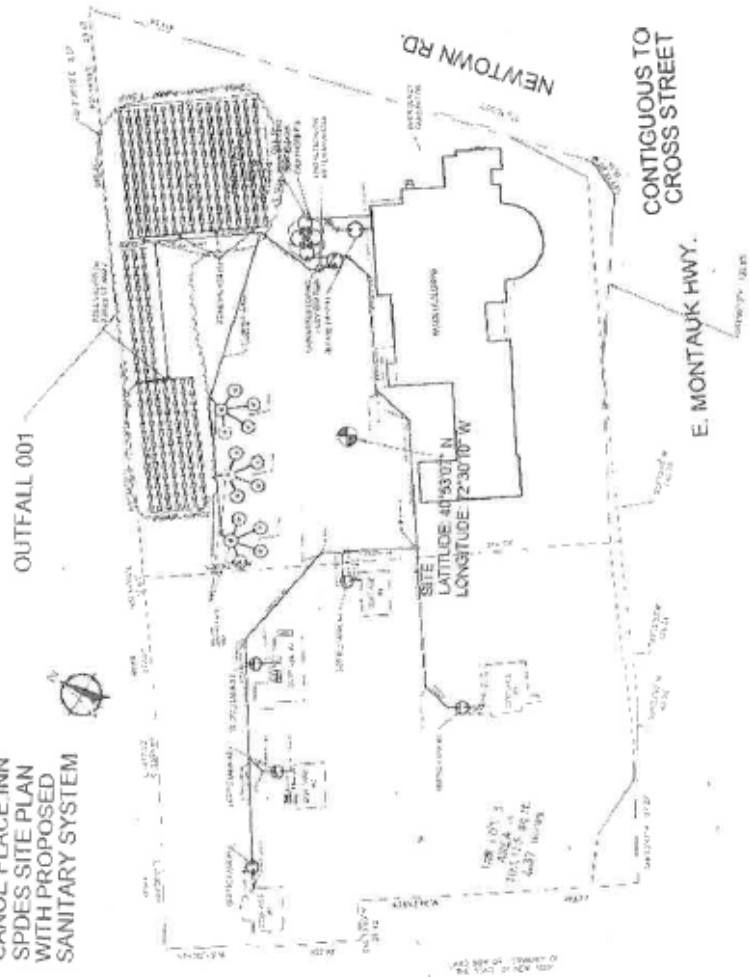
(A SPDES Application When Signed by a Permit Issuing Official Becomes a SPDES Permit)



PLEASE PRINT OR TYPE

APPLICATION TYPE <input checked="" type="checkbox"/> New <input type="checkbox"/> Re-issuance <input type="checkbox"/> Modification		IF RE-ISSUANCE OR MODIFICATION, GIVE PREVIOUS NUMBER NY - 0287121 (09-15-003)	
OWNER'S NAME (Corporate, Partnership, Individual) R Squared Development LLC		TYPE OF OWNERSHIP <input type="checkbox"/> Corporate <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Partnership <input type="checkbox"/> Public	
OWNER'S MAILING ADDRESS (Street, City, State, Zip Code) 85 South Service Road, Plainview, NY 11803			
REFER ALL CORRESPONDENCE TO: (Name, Title and Address) Kristen McCabe		TELEPHONE NUMBER (631) 414-8400	
FACILITY NAME Canoe Place Inn and Cottages		FACILITY LOCATION (Street or Road) 235 E. Montauk Hwy, Southampton Hills	CITY, TOWN OR VILLAGE Southampton
COUNTY Suffolk		GIVE EXPLICIT DIRECTIONS TO LOCATION North Side of East Montauk Highway 330 west of Shinnecock Canal	
NATURE OF BUSINESS OR FACILITY Lodging, Function Facility & Inn		POPULATION SERVED (See Instructions) 560	
FREQUENCY OF DISCHARGE All Year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Specify Number of Months All Week? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Specify Number of Days			
DOES YOUR DISCHARGE CONTAIN OR IS IT POSSIBLE FOR YOUR DISCHARGE TO CONTAIN ONE OR MORE OF THE FOLLOWING SUBSTANCES ADDED AS A RESULT OF YOUR OPERATIONS, ACTIVITIES OR PROCESSES? Please Check <input type="checkbox"/> Aluminum <input type="checkbox"/> Ammonia <input type="checkbox"/> Beryllium <input type="checkbox"/> Cadmium <input type="checkbox"/> Chlorine <input type="checkbox"/> Chromium <input type="checkbox"/> Copper <input type="checkbox"/> Cyanide <input checked="" type="checkbox"/> Grease <input type="checkbox"/> Lead <input type="checkbox"/> Mercury <input type="checkbox"/> Nickel <input type="checkbox"/> Oil <input type="checkbox"/> Phenols <input type="checkbox"/> Selenium <input type="checkbox"/> Zinc <input type="checkbox"/> None of These			
DISCHARGE DATA (Use additional forms, if necessary) (See Instructions)			
OUTFALL NO. 1	<input type="checkbox"/> Proposed <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Existing <input type="checkbox"/> Expansion	TYPE OF WASTE Sanitary	TYPE OF TREATMENT Septic tanks & drainfield
DESIGN FLOW 10,175 Gal/Day			
SURFACE DISCHARGE <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Name of Receiving Waters	Classification	Waters Index Number
SUBSURFACE DISCHARGE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Name of nearest surface waters Shinnecock Canal - Bay	Distance 400 Ft	SOIL TYPE Sand
Depth to Water Table 5+ feet			
OUTFALL NO.	<input type="checkbox"/> Proposed <input type="checkbox"/> Replacement <input type="checkbox"/> Existing <input type="checkbox"/> Expansion	TYPE OF WASTE	TYPE OF TREATMENT
DESIGN FLOW Gal/Day			
SURFACE DISCHARGE <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Name of Receiving Waters	Classification	Waters Index Number
SUBSURFACE DISCHARGE <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Name of nearest surface waters	Distance Ft	SOIL TYPE
Depth to Water Table			
OUTFALL NO.	<input type="checkbox"/> Proposed <input type="checkbox"/> Replacement <input type="checkbox"/> Existing <input type="checkbox"/> Expansion	TYPE OF WASTE	TYPE OF TREATMENT
DESIGN FLOW Gal/Day			
SURFACE DISCHARGE <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Name of Receiving Waters	Classification	Waters Index Number
SUBSURFACE DISCHARGE <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Name of nearest surface waters	Distance Ft	SOIL TYPE
Depth to Water Table			
I hereby affirm under penalty of perjury that the information provided on this form and any attached supplemental forms is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.			
APPLICANT'S SIGNATURE (see Instructions) <i>Gregg Rechler</i>	DATE 5.13.16	PRINTED NAME Gregg Rechler	TITLE Managing Member
PERMIT VALIDATION SECTION (Department of Environmental Conservation Use Only) This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the provisions of the Federal Water Pollution Control Act, as amended by the Federal Water Pollution Control Act Amendments of 1972, P.L. 92-509, October 18, 1972 (33 U.S.C. §1251 et. seq.) (hereinafter referred to as "the Act"), and subject to the attached conditions. <i>Gregg Kresser, Jr., Chief</i> Signature of Permit Issuing Agent		APPLICATION NUMBER NY - 0287121	
		EFFECTIVE DATE 2/01/2018	EXPIRATION DATE 1/31/2028
		ATTACHMENTS: "OTHER CONDITIONS"	
CARD 1	Type 54 55 56	Type Own 58	SIC CODE 70
# Out Falls 74	Dis Class 75	CARD 3	Region 71
County 72	Major Basin 74	Sub Basin 76	Compact Area 78
CARD 6	Latitude 53	Longitude 59	CARD 7

CANOE PLACE INN  
SPDES SITE PLAN  
WITH PROPOSED  
SANITARY SYSTEM



SCDHS COM# 0-0037  
SCTM# 900-907-5-1&4

LOMBARDO ASSOCIATES, INC.

Environmental Engineers/Consultants  
LOMBARDO ASSOCIATES, INC.

CANOE PLACE INN, SOUTHAMPTON, NY WASTEWATER SYSTEM  
ENGINEERING REPORT  
DECEMBER 22, 2016  
PAGE 63

**SPDES-D PERMIT NO. NY-0287121 (C09-15-0037)**  
**OTHER CONDITIONS**

- 1) That design and construction of all sewage and waste disposal systems be in accordance with the applicable standards of the Suffolk County Department of Health Services.
- 2) That use of the disposal facility not take place without the written approval of the Suffolk County Department of Health Services.
- 3) That the system be maintained to the satisfaction of the Suffolk County Department of Health Services.
- 4) That no industrial wastes be discharged into the sanitary system or anywhere else without written approval of the Suffolk County Department of Health Services.
- 5) The applicable groundwater standards not be violated.
- 6) At the discretion of the Suffolk County Department of Health Services, a means of flow measurement of wastes shall be provided.
- 7) That a representative of the Suffolk County Department of Health Services shall inspect the excavation, construction and backfilling operations for all non-residential sewage disposal facilities to ascertain that the system has been constructed in accordance with the approved plans.
- 8) That the approval of the waste disposal facilities does not constitute the approval of the structural stability of the system by the Suffolk County Department of Health Services.
- 9) That if change or revision to the approved plans are contemplated, such changes or revisions are to be submitted in writing to the Suffolk County Department of Health Services prior to any further approvals.
- 10) That the sewage disposal system is designed and the permit issued for the following type building: **LODGING FACILITY / COTTAGES**. Any change in use or occupancy other than that initially approved (e.g., dry store to wet store) will require a new submittal of plans and specifications to the Suffolk County Department of Health Services prior to said change.
- 11) In the event that a municipal or communal sewage disposal system or facility connecting therewith becomes available, any building or premises shall be connected to such municipal or communal sewage disposal systems and immediately thereafter the use of any other sewage disposal system or facility shall be discontinued.
- 12) Where plans and construction have been approved for the installation of a private well supply, and subsequently a public water source is made available, said building or premises shall connect to such public water source and the use of the private well supply discontinued.
- 13) That if transfer of the permit and its attendant obligations to another permittee is desired, the permittee of record and the assuming permittee shall so petition the Suffolk County Department of Health Services and the New York State Department of Environmental Conservation in writing. Transfer shall become effective on the date prescribed in the written notification of such transfer to be furnished to both the original and the assuming permittees by the New York State Department of Environmental Conservation.

COUNTY OF SUFFOLK

10/28/17  
12/28/20



STEVEN BELLONE  
SUFFOLK COUNTY EXECUTIVE

~~Revised Plan Approved 6/2/17  
12/28/20~~

DEPARTMENT OF HEALTH SERVICES

JAMES L. TOMARKEN, MD, MPH, MBA, MSW  
Commissioner

## PERMIT CONDITIONS

Health Services Reference # COA-15-0037

Project Name Canoe Place Inn + Cottages

The attached plan, when duly signed by a representative of the department, in conjunction with these conditions, constitutes a permit to construct a water supply and/or a sewage disposal or collection system for the property as depicted. The applicant should take note of any conditions of approval, which may be indicated on the plan or enclosed herein. Construction must conform with applicable standards including **"Standards for Approval of Plans and Construction for Sewage Disposal Systems for Other than Single Family Residences."** Omissions, inconsistencies or lack of detail on the plan do not release the applicant from the responsibility of having the construction done in conformance with applicable standards. Issuance of this permit shall in no way relieve the design professional of responsibility for the adequacy of the complete design.

The permit (plan) expires three (3) years after the approval date. Any modification which may affect the proposed sewage disposal or water supply systems requires submission of a revised plan and additional fees (if applicable) for reapproval prior to construction. No inspections will be performed by the department on expired permits.

Permits may be renewed, extended, transferred, or revised in accordance with the procedures described in **Instructions to Renew, Extend, or Transfer an Existing Permit for Other than Single Family Residences (Form WWM-081).**

It is the applicant's responsibility to call the department *in advance* to arrange inspections of the sewage disposal and/or water supply facilities prior to backfilling. These include inspections of the sewage collection and disposal systems, water supply system components and piping, and final grading as shown on the approved plans. In certain cases, inspections of the soil excavation may be required to determine the acceptability of the soils for sewage disposal systems. **The department must be notified at least 48 hours in advance to schedule an inspection by calling 852-5754; and excavation inspections must also be confirmed by calling 852-5700 prior to 9:30 a.m., the morning of the inspection.** *Article VII of the Suffolk County Code, "Septic Industry Businesses," requires that all installers of septic systems within Suffolk County shall possess a valid license from the Suffolk County Office of Consumer Affairs. This office can refuse to perform inspections or grant final approval for the construction of projects that are installed by an unlicensed individual. It is, therefore, in your best interest to utilize a cesspool contractor with a valid license to avoid substantial delays in your project.*

**Final approval issued by the Department is necessary prior to the occupancy of new buildings, additions to existing buildings, or for the use of sewage disposal or water supply systems.**

**SEE PAGE 2**

HD Ref. No. 09-15-0037 Project Name Canoe Place Inn + Cottages

**CONDITIONS FOR OBTAINING FINAL APPROVAL OF CONSTRUCTED PROJECT**

As a condition of this permit to construct, the following items must be completed as a minimum, prior to building occupancy and use of the sewage disposal system or water supply facilities. For further information concerning this, refer to **Instructions For Obtaining Final Health Department Approval Of Constructed Projects For Other Than Single Family Residences** (Form WWM-19).

- Excavation Inspection by the Office of Wastewater Management prior to installation of any leaching pools to determine acceptability of soils. (Call 852-5754 to schedule an inspection *and confirm by calling 852-5700 prior to 9:30 a.m., the morning of the inspection.*)
- Satisfactory inspection by Office of Wastewater Management of the sewage disposal system / sewage treatment system. (Call 852-5754 to schedule an inspection.)
- Satisfactory inspection of the water supply system by:
  - Office of Wastewater Management (Call 852-5754 to schedule an inspection.)
  - Office of Water Resources, Water Quality Unit (Call 852-5810 for inspection.)
- Satisfactory inspection by the Office of Pollution Control (Call 854-2502 for inspection.)
  - Storage tanks
  - Other: \_\_\_\_\_
- Application for a Food Permit to the Food Control Unit (Call 852-5873 for instructions.)
- Four (4) prints of an As-Built plan
- "Tap letter" from water district
- Certifications from the licensed sewage disposal system installer:
  - "S-9 form" from Suffolk County Department of Public Works (SCDPW)
  - Sewer district approval of sewer line installation (for other than SCDPW districts)
  - Well drillers certificate
  - Water analysis *(enclosed)*
- Certification of Sewage Disposal System Abandonment (form WWM-080)
- Design Professionals Certification of Constructed Works (form WWM-073, enclosed) for:
  - Sewer lines and sewage collection system
  - Retaining walls (approved as part of the sewage disposal system)
  - Sewage pump station/valve chamber
  - Sub-surface sewage disposal system
  - Sewage treatment plant
  - Water supply system
  - Abandonment of Preexisting sewage disposal system and/or water supply
  - Other: \_\_\_\_\_

Other: (1) call John Schyman, PE to schedule Pump Station Final Inspection @ 631-852-5750

## DECLARATION OF COVENANTS AND RESTRICTIONS

THIS DECLARATION, made the 18 day of September, 2017, by R SQUARED INV HB LLC, a Delaware limited liability company authorized to transact business in the State of New York with offices at 85 South Service Road, Plainview, New York 11803, hereinafter referred to as "Declarant."

### WITNESSETH:

WHEREAS, Declarant is the owner of certain real property known as the Canoe Place Inn (SCTM Nos.: 0900-207-5-3 & 4), located in Hampton Bays, Town of Southampton, County of Suffolk and State of New York, more particularly bounded and described as set forth in Schedule "A" annexed hereto (hereinafter the "Canoe Place Inn," or the "Premises"); and

WHEREAS, Declarant has made application to the Planning Board of the Town of Southampton (hereinafter referred to as the "Planning Board") for site plan approval for construction, use and/or occupancy of said Premises as depicted on the site plan prepared by Sidney B. Bowne & Son, LLP dated May 20, 2015, which site plan was approved by resolution of the Planning Board adopted March 9, 2017; and

WHEREAS, pursuant to said approval, the applicant has agreed to the installation of a new conventional on-site sanitary treatment system and use of a nitrogen reducing Permeable Reactive Barrier (PRB) along appropriate portions of the downgradient borders of the property that will result in a minimum 94% wastewater nitrogen mass removal from the CPI property, subject to a monitoring program with regular reporting as approved by the Planning Board.

WHEREAS, for and in consideration of the granting of said approval, the Planning Board has deemed it to be in the best interests of the Town of Southampton and the owners and prospective owners of the Premises that the within covenants and restrictions be imposed on the

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Premises, and as a condition of said approval, said Planning Board has required that the within declaration be recorded in the Suffolk County Clerk's Office; and

**WHEREAS**, Declarant has considered the foregoing and has determined that the same will be in the best interests of Declarant and subsequent lessees/owners of the premises;

**NOW, THEREFORE, THIS DECLARATION WITNESSETH:**

That Declarant, for the purpose of carrying out the intentions above expressed, does hereby make known, admit, publish, covenant and agree that the said Premises herein described shall hereafter be subject to the following covenants and restrictions which shall run with the land and shall be binding upon all purchasers and holders of said Premises, their heirs, executors, legal representatives, distributees, successors and assigns, to wit:

the Declarant agrees to institute and conduct a wastewater/groundwater quality monitoring program on the Premises as contained in and provided for in the "Canoe Place Inn Site Characterization Report" prepared by Lombardo Associates, Inc., updated as of June 29, 2017 and approved by the Town of Southampton Planning Board.

The covenants and restrictions contained herein shall be construed to be in addition to and not derogation of or limitation upon any local, state or federal laws, ordinances, regulations or provisions in effect at the time of execution of this Declaration or at the time such laws, ordinances, regulations and/or provisions may hereafter be revised, amended or promulgated.

In the event the wastewater/groundwater quality monitoring results from the PRB as approved and installed does not result in a minimum 94% wastewater nitrogen mass removal from the premises over a two (2) year testing period, then the Planning Board, after due notice and an opportunity for the owner to be heard, may consider reasonable mitigation measures as may be reasonably necessary and achievable under existing technology.

The covenants and restrictions contained herein shall be enforceable by the Town of Southampton, by injunctive relief or by any other remedy in equity or at law. The failure of the Town of Southampton or any of its agencies to enforce the same shall not be deemed to affect the validity of this Declaration nor to impose any liability whatsoever upon the Town of Southampton or any officer or employee thereof.


If any section, subsection, paragraph, clause, phrase or provision of this Declaration shall, by a court of competent jurisdiction, be adjudged illegal, unlawful or held to be unconstitutional, the same shall not affect the validity of this Declaration as a whole, or any other part or provision hereof other than the part so adjudged to be illegal, unlawful, invalid or unconstitutional.

The within Declaration is made subject to the provisions of all applicable laws required by law or by their provisions to be incorporated herein and made a part hereof, as though fully set forth herein.

The within Declaration shall run with the land and shall be binding upon Declarant, its successors and assigns, and upon all persons or entities claiming under them, and may not be annulled, waived, changed, modified, terminated, revoked or amended by subsequent owners of the premises unless and until approved by a majority plus one vote of the Planning Board of the Town of Southampton or its successor, following a public hearing.

**IN WITNESS WHEREOF**, Declarant has hereunto set its hand and seal the date and year first above written.

**R SQUARED INV HB LLC**

By:  \_\_\_\_\_  
Gregg Reehler, Authorized Signatory

## APPENDIX B DAILY WASTEWATER FLOWS

Table B-1 CPI Monthly Average Daily Wastewater Flows

Month	Average Daily Flow (gpd)
Sep-23	4,608
Oct-23	3,253
Nov-23	3,047
Dec-23	3,159
Jan-24	2,579
Feb-24	2,215
Mar-24	2,668
Apr-24	2,405
May-24	4,546
Jun-24	6,052
Jul-24	7,288
Aug-24	7,426

**Table B-2 Daily Wastewater Flows, September 2023 to December 2023**

Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)
9/1/2023	5,099	10/1/2023	5,179	11/1/2023	2,446	12/1/2023	3,908
9/2/2023	9,333	10/2/2023	1,583	11/2/2023	3,945	12/2/2023	3,938
9/3/2023	10,257	10/3/2023	1,645	11/3/2023	3,287	12/3/2023	3,944
9/4/2023	6,642	10/4/2023	4,190	11/4/2023	5,215	12/4/2023	771
9/5/2023	4,068	10/5/2023	3,434	11/5/2023	1,850	12/5/2023	771
9/6/2023	3,248	10/6/2023	5,151	11/6/2023	4,094	12/6/2023	3,294
9/7/2023	3,358	10/7/2023	6,784	11/7/2023	5,021	12/7/2023	5,578
9/8/2023	5,311	10/8/2023	4,332	11/8/2023	3,205	12/8/2023	2,314
9/9/2023	8,154	10/9/2023	2,395	11/9/2023	2,372	12/9/2023	3,639
9/10/2023	6,310	10/10/2023	2,467	11/10/2023	2,527	12/10/2023	3,206
9/11/2023	1,576	10/11/2023	2,581	11/11/2023	4,969	12/11/2023	1,635
9/12/2023	781	10/12/2023	4,051	11/12/2023	3,309	12/12/2023	742
9/13/2023	5,010	10/13/2023	3,282	11/13/2023	774	12/13/2023	3,134
9/14/2023	3,412	10/14/2023	7,250	11/14/2023	794	12/14/2023	3,193
9/15/2023	5,212	10/15/2023	4,953	11/15/2023	2,468	12/15/2023	4,152
9/16/2023	6,662	10/16/2023	803	11/16/2023	2,318	12/16/2023	5,553
9/17/2023	5,084	10/17/2023	769	11/17/2023	5,069	12/17/2023	4,009
9/18/2023	1,666	10/18/2023	3,312	11/18/2023	1,613	12/18/2023	4,880
9/19/2023	1,666	10/19/2023	2,550	11/19/2023	4,272	12/19/2023	0
9/20/2023	3,410	10/20/2023	4,331	11/20/2023	2,306	12/20/2023	2,405
9/21/2023	3,402	10/21/2023	5,005	11/21/2023	1,520	12/21/2023	4,048
9/22/2023	6,156	10/22/2023	3,264	11/22/2023	3,959	12/22/2023	4,015
9/23/2023	7,348	10/23/2023	527	11/23/2023	4,067	12/23/2023	4,021
9/24/2023	5,975	10/24/2023	756	11/24/2023	4,065	12/24/2023	2,377
9/25/2023	807	10/25/2023	2,653	11/25/2023	4,885	12/25/2023	3,133
9/26/2023	2,443	10/26/2023	2,774	11/26/2023	4,031	12/26/2023	3,121
9/27/2023	3,540	10/27/2023	5,029	11/27/2023	750	12/27/2023	744
9/28/2023	2,572	10/28/2023	5,005	11/28/2023	744	12/28/2023	4,088
9/29/2023	4,505	10/29/2023	3,252	11/29/2023	2,355	12/29/2023	3,224
9/30/2023	5,242	10/30/2023	779	11/30/2023	3,183	12/30/2023	3,994
<b>Average</b>	<b>4,608</b>	10/31/2023	758	<b>Average</b>	<b>3,047</b>	12/31/2023	4,096
		<b>Average</b>	<b>3,253</b>			<b>Average</b>	<b>3,159</b>

**Table B-3 Daily Wastewater Flows, January 2024 to April 2024**

Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)
1/1/2024	3,067	2/1/2024	749	3/1/2024	3,207	4/1/2024	1,219
1/2/2024	788	2/2/2024	2,279	3/2/2024	5,738	4/2/2024	685
1/3/2024	2,327	2/3/2024	4,925	3/3/2024	3,161	4/3/2024	2,948
1/4/2024	4,011	2/4/2024	3,879	3/4/2024	750	4/4/2024	2,586
1/5/2024	6,392	2/5/2024	0	3/5/2024	2,511	4/5/2024	3,697
1/6/2024	5,495	2/6/2024	749	3/6/2024	2,809	4/6/2024	5,149
1/7/2024	2,303	2/7/2024	2,310	3/7/2024	4,462	4/7/2024	3,613
1/8/2024	0	2/8/2024	2,416	3/8/2024	3,732	4/8/2024	709
1/9/2024	744	2/9/2024	3,223	3/9/2024	6,183	4/9/2024	0
1/10/2024	2,077	2/10/2024	3,856	3/10/2024	4,521	4/10/2024	1,441
1/11/2024	3,108	2/11/2024	3,948	3/11/2024	697	4/11/2024	2,159
1/12/2024	2,322	2/12/2024	737	3/12/2024	0	4/12/2024	2,955
1/13/2024	3,850	2/13/2024	744	3/13/2024	1,907	4/13/2024	6,039
1/14/2024	3,192	2/14/2024	2,656	3/14/2024	2,961	4/14/2024	2,952
1/15/2024	1,520	2/15/2024	0	3/15/2024	0	4/15/2024	0
1/16/2024	736	2/16/2024	0	3/16/2024	3,624	4/16/2024	678
1/17/2024	2,269	2/17/2024	0	3/17/2024	2,554	4/17/2024	2,947
1/18/2024	4,128	2/18/2024	0	3/18/2024	206	4/18/2024	3,618
1/19/2024	5,731	2/19/2024	2,137	3/19/2024	0	4/19/2024	2,971
1/20/2024	4,747	2/20/2024	0	3/20/2024	2,165	4/20/2024	4,423
1/21/2024	4,804	2/21/2024	1,968	3/21/2024	2,231	4/21/2024	3,775
1/22/2024	743	2/22/2024	3,923	3/22/2024	2,953	4/22/2024	724
1/23/2024	0	2/23/2024	3,772	3/23/2024	5,015	4/23/2024	682
1/24/2024	2,340	2/24/2024	4,075	3/24/2024	2,190	4/24/2024	2,214
1/25/2024	2,118	2/25/2024	3,766	3/25/2024	0	4/25/2024	2,150
1/26/2024	2,369	2/26/2024	1,601	3/26/2024	0	4/26/2024	3,623
1/27/2024	4,112	2/27/2024	3,282	3/27/2024	2,924	4/27/2024	4,573
1/28/2024	3,181	2/28/2024	4,028	3/28/2024	3,601	4/28/2024	2,936
1/29/2024	727	2/29/2024	3,202	3/29/2024	3,641	4/29/2024	684
1/30/2024	0	<b>Average</b>	2,215	3/30/2024	5,241	4/30/2024	0
1/31/2024	746			3/31/2024	3,740	<b>Average</b>	2,405
<b>Average</b>	2,579			<b>Average</b>	2,668		

**Table B-4 Daily Wastewater Flows, May 2024 to August 2024**

Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)	Date	Effluent Flow (gpd)
5/1/2024	3,686	6/1/2024	6,979	7/1/2024	6,930	8/1/2024	6,276
5/2/2024	3,628	6/2/2024	5,254	7/2/2024	7,057	8/2/2024	7,082
5/3/2024	3,770	6/3/2024	2,132	7/3/2024	7,785	8/3/2024	9,275
5/4/2024	5,297	6/4/2024	3,014	7/4/2024	9,993	8/4/2024	6,971
5/5/2024	4,227	6/5/2024	4,653	7/5/2024	10,051	8/5/2024	6,797
5/6/2024	3,590	6/6/2024	4,698	7/6/2024	10,150	8/6/2024	4,156
5/7/2024	3,655	6/7/2024	7,852	7/7/2024	8,593	8/7/2024	7,046
5/8/2024	3,788	6/8/2024	7,044	7/8/2024	5,813	8/8/2024	6,848
5/9/2024	4,452	6/9/2024	6,438	7/9/2024	4,779	8/9/2024	8,478
5/10/2024	3,693	6/10/2024	3,867	7/10/2024	5,611	8/10/2024	9,389
5/11/2024	6,138	6/11/2024	5,937	7/11/2024	7,908	8/11/2024	7,672
5/12/2024	4,742	6/12/2024	3,852	7/12/2024	8,740	8/12/2024	6,088
5/13/2024	2,179	6/13/2024	5,476	7/13/2024	9,616	8/13/2024	6,771
5/14/2024	3,659	6/14/2024	7,432	7/14/2024	9,971	8/14/2024	5,248
5/15/2024	6,211	6/15/2024	10,372	7/15/2024	6,501	8/15/2024	6,047
5/16/2024	4,381	6/16/2024	6,256	7/16/2024	5,335	8/16/2024	8,463
5/17/2024	5,471	6/17/2024	5,520	7/17/2024	5,896	8/17/2024	8,045
5/18/2024	7,591	6/18/2024	5,511	7/18/2024	5,331	8/18/2024	10,567
5/19/2024	5,094	6/19/2024	6,659	7/19/2024	7,704	8/19/2024	9,692
5/20/2024	4,534	6/20/2024	5,629	7/20/2024	9,007	8/20/2024	5,988
5/21/2024	4,350	6/21/2024	8,810	7/21/2024	7,971	8/21/2024	5,119
5/22/2024	3,647	6/22/2024	8,838	7/22/2024	5,467	8/22/2024	6,776
5/23/2024	3,256	6/23/2024	7,340	7/23/2024	5,478	8/23/2024	8,506
5/24/2024	3,876	6/24/2024	3,306	7/24/2024	4,716	8/24/2024	10,106
5/25/2024	7,068	6/25/2024	3,143	7/25/2024	7,789	8/25/2024	8,530
5/26/2024	7,875	6/26/2024	4,923	7/26/2024	8,950	8/26/2024	7,346
5/27/2024	3,649	6/27/2024	5,732	7/27/2024	9,581	8/27/2024	7,041
5/28/2024	2,889	6/28/2024	7,006	7/28/2024	6,379	8/28/2024	6,828
5/29/2024	3,744	6/29/2024	10,275	7/29/2024	6,230	8/29/2024	6,833
5/30/2024	5,474	6/30/2024	7,603	7/30/2024	5,304	8/30/2024	7,717
5/31/2024	5,300	<b>Average</b>	6,052	7/31/2024	5,286	8/31/2024	8,504
<b>Average</b>	4,546			<b>Average</b>	7,288	<b>Average</b>	7,426

## APPENDIX C GROUNDWATER & WASTEWATER QUALITY DATA

<https://tidesandcurrents.noaa.gov/noaatideannual.html?id=8512451>

Table C-0 presents the list of tables with the groundwater and wastewater quality data.

**Table C-0 Table of Groundwater & Wastewater Data Tables**

Table #	Date of Data Collection
C-1	26-Sep-23
C-2	23-Oct-23
C-3	16-Nov-23
C-4	19-Dec-23
C-5	12-Feb-24
C-6	30-May-24
C-7	09-Jul-24
C-8	15-Aug-24

Table C-1 September 26, 2023 Groundwater and Wastewater Quality Data

Canoe Place Inn -		26-Sep-23	Groundwater Monitoring Wells												
Sampling Date		Field Measurements					Laboratory Measurements								
Location #	Location Label	pH	Temp (°C)	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
Lab Level of Quantification (LOQ)								2.0	0.40	0.10	0.05	0.05	0.05	0.05	
2	BG2	6.01	15.3	59.5	5.94	612		6.0	2.50	2.43	0.0652	0.00	7.78	10.3	
1	BG1	6.81	16.8	62.2	2.55	846		200	2.86	2.86	0.00	0.00	9.93	12.8	
7	DG 0.5	5.92	16.1	61.0	5.35	761	<3.0	10	0.92	0.38	0.540	0.00	6.88	7.80	
8	DG 1	6.09	16.8	62.2	1.54	747	<24	200	0.75	0.28	0.466	0.00	0.456	1.21	
9	DG 1.5	6.21	17.6	63.7	1.86	1,067	7.0	400	2.58	0.00	2.58	0.00	0.165	2.75	
10	DG 2	6.10	17.3	63.1	1.19	703	9.0	210	3.41	1.05	2.36	0.00	0.00	3.41	
11	DG 3	6.20	17.8	64.0	1.92	759	8.0	260	1.43	0.700	0.734	0.00	0.204	1.63	
17	WW Pump Chamber	7.10	19.6	67.3	0.80	1,626		520	51.0	12.0	39.0	0.00	0.0589	51.1	

Table C-2 October 23, 2023 Groundwater and Wastewater Quality Data

Canoe Place Inn -		23-Oct-23	Groundwater Monitoring Wells												
Sampling Date		Field Measurements					Laboratory Measurements								
Location #	Location Label	pH	Temp (°C)	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
Lab Level of Quantification (LOQ)								2.0	0.40	0.10	0.05	0.05	0.05	0.05	
2	BG2	5.60	14.8	58.6	6.88	621									
1	BG1	6.41	16.9	62.4	3.55	465									
7	DG 0.5	6.36	17.6	63.7	1.79	737	<2.4	88	2.10	2.10	0.00	0.00	3.78	5.88	
8	DG 1	6.47	17.9	64.2	2.67	711	7.5	240	2.22	0.44	1.78	0.00	0.764	2.98	
9	DG 1.5	6.59	16.5	61.7	1.21	1,033	9.0	370	6.80	2.11	4.69	0.00	0.154	6.95	
10	DG 2	6.34	18.8	65.8	1.97	760	16.0	270	2.60	0.52	2.08	0.00	0.00	2.60	
11	DG 3	6.50	17.5	63.5	3.62	217	9.5	220	2.40	0.300	2.10	0.00	0.263	2.66	
17	WW Pump Chamber	7.19	23.5	74.3	0.50	1,483									

**Table C-3 November 16, 2023 Groundwater Quality Data**

Canoe Place Inn -		Groundwater Monitoring Wells											
Sampling Date	16-Nov-23	Field Measurements -Max				Laboratory Measurements							
Location Label	Screened Interval into Groundwater (ft)	pH	Temp (°F)	Dissolved Oxygen (mg/L)	Specific Conductivity	BOD(5)	Alkalinity (mg/L as CaCO3)	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
							2.0	0.40	0.10	0.05	0.05	0.05	0.05
DG 1.5 DP-A	15 - 20	6.86	61.2	1.41	938	<3.5	340	3.52	1.83	1.69	<0.0500	5.61	9.13
DG 1.5 DP-B	20 - 25	6.92	59.7	1.73	963	<3.5	310	3.29	1.93	1.36	0.0562	8.10	11.4

**Table C-4 December 19, 2023 Groundwater and Wastewater Quality Data**

Canoe Place Inn -		Groundwater Monitoring Wells											
Sampling Date	19-Dec-23	Field Measurements -Max				Laboratory Measurements							
Location Label	Screened Interval into Groundwater (ft)	pH	Temp (°F)	Specific Conductivity	Dissolved Oxygen (mg/L)	Alkalinity (mg/L as CaCO3)	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
<b>Lab Level of Quantification (LOQ)</b>						<b>2.0</b>	<b>0.40</b>	<b>0.10</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	
DG - 0.5		5.90	57.4	1,079	3.36	24	1.65	1.65	<0.0500	<0.0500	5.52	7.17	
DG-1.0		6.28	56.3	732	4.30	160	1.88	1.88	<0.0500	<0.0500	3.08	4.96	
DG-1.5		6.69	58.8	1,270	2.36	510	17.4	3.70	13.7	<0.0500	<0.0500	17.4	
DG-2		6.08	57.0	301	1.08	100	1.84	0.94	0.904	<0.0500	0.180	2.02	
DG-3		6.47	58.8	833	4.26	260	4.60	3.57	1.03	<0.0500	8.07	12.7	
DG1.5-DP A	25 - 30	6.61	57.2	936	1.88	300	3.17	1.38	1.79	<0.0500	5.79	8.96	
DG1.5-DP-B	30 - 35	6.62	58.6	864	2.70	240	2.56	2.00	0.561	<0.0500	6.85	9.41	
DG3-DP B	30 - 35	6.52	57.0	1,113	0.80	290	4.56	0.50	4.06	0.448	1.23	6.24	

**Table C-5 February 12, 2024 Groundwater and Wastewater Quality Data**

CPI		Groundwater & Wastewater Monitoring Wells Program													
		12-Feb-24	Field Measurements					Laboratory Measurements							
Location Label	Depth ToC to GW (ft)	Depth ToC to Bottom of MW (ft)	pH	Temp (°C)	Temp (°F)	Dissolve d Oxygen (mg/L) <sup>(1)</sup>	Specific Conduct	BOD <sub>5</sub>	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammoni a-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
BG2	27.33	41.98	5.64	13.4	56.1	6.51	805	NA	5.0	1.31	1.31	<0.0500	<0.0500	10.6	11.9
BG1	15.85	31.99	5.92	14.6	58.3	6.52	335	NA	19	1.02	1.02	<0.0500	<0.0500	6.22	7.24
DG 0.5	9.15	21.02	5.78	13.5	56.3	5.40	530	NA	20	1.38	1.38	<0.0500	<0.0500	6.01	7.39
DG 1	9.11	19.94	6.28	12.8	55.0	2.68	718	9.5	140	1.12	0.610	0.509	<0.0500	0.961	2.08
DG 1.5	8.71	21.58	6.62	13.6	56.5	1.63	1,220	12	450	21.8	1.00	20.80	<0.0500	0.0985	21.9
DG 2	8.45	24.92	6.34	14.5	58.1	0.94	1,000	<4.8	360	9.80	0.690	9.11	<0.0500	<0.500	9.80
DG 3	8.25	13.2	6.31	13.2	55.8	1.68	885	16	320	3.83	1.12	2.71	<0.0500	0.0546	3.88
WW Pump Chamber	NA	NA	7.65	12.6	54.7	1.42	1,236	210	490	36.8	1.30	35.5	<0.0500	<0.0500	36.8

**Table C-6 May 30, 2024 Groundwater and Wastewater Quality Data**

Canoe Place Inn - PRB N Removal Data															
Sampling Date: 05/30/24		Field Measurements -Max						Laboratory Measurements							
Location Label	pH	Temp (°C)	Temp (°F)	Specific Conductivity	Dissolved Oxygen (mg/L)	BOD (mg/L)	Chloride (mg/L)	Alkalinity (mg/L as CaCO <sub>3</sub> )	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)	
BG1	6.16	15.4	59.7	551	4.30	N/A	73.6	64	2.5	2.5	<0.0500	<0.0500	11.8	14.3	
BG2	5.85	19.5	67.1	470	6.55	N/A	104	10	1.77	1.77	<0.0500	<0.0500	9.78	11.6	
DG - 0.5	5.94	17.1	62.8	454	4.87	<3.1	90.7	20	1.78	1.78	<0.0500	<0.0500	5.68	7.46	
DG-1.0	6.34	18.1	64.6	597	1.46	<7.5	81.6	140	2.46	1.99	0.466	<0.0500	2.17	4.63	
DG-1.5	6.62	18.4	65.1	1,120	0.87	<7.6	77.7	390	11	0.7	10.3	<0.0500	<0.0500	11	
DG-2	6.35	17.5	63.5	677	1.38	<7.6	70.9	220	2.76	<0.100	2.71	<0.0500	0.123	2.88	
DG -3	6.61	17.9	64.2	1,247	2.10	8.00	70.9	210	1.8	0.4	1.4	<0.0500	0.112	1.91	
DG1.5-DP A	6.86	16.4	61.5	899	1.40	<2.5	123	240	13.3	1.2	12.1	<0.0500	2.19	15.5	
DG1.5-DP-B	6.86	16.1	61.0	691	4.07	<2.5	119	140	5.85	1.98	3.87	<0.0500	6.82	12.7	
WW PUMP STATION	7.64	23.4	74.1	1,850	0.41	N/A	139	700	38.4	3.6	34.8	<0.0500	<0.0500	38.4	

**Table C-7 July 9, 2024 Groundwater and Wastewater Quality Data**

Canoe Place Inn - PRB N Removal Data												
Sampling Date : 07/09/24		Field Measurements -Max				Laboratory Measurements						
Location Label	pH	Temp (°C)	Temp (°F)	Specific Conductivity	Dissolved Oxygen (mg/L)	Alkalinity (mg/L as CaCO3)	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
Lab Level of Quantification (LOQ)						2.0	0.40	0.10	0.05	0.05	0.05	0.05
BG1	6.80	21.2	70.2	655	2.23	530	2.32	1.11	1.21	<0.0500	0.0501	2.37
BG2	5.74	19.7	67.5	383	5.84	16	2.5	2.25	0.251	<0.0500	7.59	10.1
DG0.5	5.77	19.6	67.3	450	4.20	40	1.33	1.33	<0.0500	<0.0500	6.01	7.34
DG1.0	6.40	19.3	66.7	595	1.35	140	1.02	0.841	0.179	<0.0500	3.31	4.33
DG1.5	6.74	17.0	62.6	1,082	1.37	410	11	2.52	8.48	<0.0500	0.104	11.1
DG2	6.35	19.3	66.7	725	1.21	290	5.9	0.38	5.52	<0.0500	0.157	6.06
DG3	6.23	21.4	70.5	569	2.23	180	1.13	0.199	0.931	<0.0500	0.077	1.21
DG1.5DP A	6.77	19.3	66.7	878	1.55	230	9.3	1.15	8.15	<0.0500	5.01	14.3
DG1.5DP B	6.72	18.9	66.0	657	3.73	110	3.38	0.53	2.85	<0.0500	8.38	11.8
Septic Tank Effluent	7.74	30.0	86.0	1,012	0.23	740	31.8	1.4	30.4	<0.0500	<0.0500	31.8

**Table C-7 August 15, 2024 Groundwater and Wastewater Quality Data**

Canoe Place Inn - PRB N Removal Data												
Sampling Date : 08/15/2024		Field Measurements -Max				Laboratory Measurements						
Location Label	pH	Temp (°C)	Temp (°F)	Specific Conductivity	Dissolved Oxygen (mg/L)	Alkalinity (mg/L as CaCO3)	TKN (mg/L)	Organic-N (mg/L)	Ammonia-N (mg/L)	Nitrite-N (mg/L)	Nitrate-N (mg/L)	Total N (mg/L)
Lab Level of Quantification (LOQ)						2.0	0.40	0.10	0.05	0.05	0.05	0.05
BG 1	6.85	21.7	71.1	1202	1.35	370	12.7	2	10.7	1.26	18.3	32.3
BG 2	5.46	19.2	66.6	438	6.28	8	1.82	1.71	0.114	<0.0500	8.8	10.6
DG 0.5	5.78	20.6	69.1	412	4.03	20	1.5	1.5	<0.0500	<0.0500	6.9	8.4
DG 1.0	6.38	19.8	67.6	701	1.47	160	1.96	1.3	0.655	<0.0500	3.84	5.8
DG 1.5	6.71	20.4	68.7	1037	1.03	390	10.9	0.6	10.3	<0.0500	0.152	11.1
DG 2.0	6.39	19.8	67.6	730	1.11	280	5.45	0.18	5.27	<0.0500	<0.0500	5.45
DG 3.0	6.32	21.0	69.8	645	1.81	220	2.62	0.65	1.97	<0.0500	0.166	2.79
DG 1.5 DPA	6.87	19.0	66.2	682	2.43	84	5.6	0.85	4.75	<0.0500	6	11.6
DG 1.5 DPB	6.47	19.1	66.4	557	4.47	60	2.88	1.33	1.55	<0.0500	10.4	13.3
Waste Water	7.13	28.4	83.1	1431	0.12	450	30	0.8	29.2	<0.0500	<0.0500	30

## APPENDIX D GROUNDWATER & WASTEWATER QUALITY DATA – FIELD DATA & LAB REPORTS

Table D-0 presents the list of tables with the Field data sheets and Lab Reports for the groundwater and wastewater quality data.

**Table D-0 Table of Field Data and Lab Report Tables**

Table #	Date of Data Collection	Field Measurements	Certified Lab Reports
D-1	26-Sep-23	✓	✓
D-2	23-Oct-23	✓	✓
D-3	16-Nov-23	✓	✓
D-4	19-Dec-23	✓	✓
D-5	12-Feb-24	✓	✓
D-6	30-May-24	✓	✓
D-7	9-Jul-24	✓	✓
D-8	15-Aug-24	✓	✓



# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**

1170 Lincoln Avenue., Suite 4

Holbrook NY, 11741

**Attention: Brian Leshinger**

Report Date: 10/05/2023

**Client Project ID: 2309335**

York Project (SDG) No.: 2311765

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 10/05/2023  
Client Project ID: 2309335  
York Project (SDG) No.: 23I1765

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 27, 2023 and listed below. The project was identified as your project: **2309335**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23I1765-01	Monitoring Well # Effluent Pump Chamber	Water	09/26/2023	09/27/2023
23I1765-02	Monitoring Well # BG1-1.5	Water	09/26/2023	09/27/2023
23I1765-03	Monitoring Well # BG2	Water	09/26/2023	09/27/2023
23I1765-04	Monitoring Well # BG-3	Water	09/26/2023	09/27/2023
23I1765-05	Monitoring Well # DF 2	Water	09/26/2023	09/27/2023
23I1765-06	Monitoring Well # DF 1	Water	09/26/2023	09/27/2023
23I1765-07	Monitoring Well # DG 0.5	Water	09/26/2023	09/27/2023
23I1765-08	Monitoring Well # DG 1.0	Water	09/26/2023	09/27/2023
23I1765-09	Monitoring Well # DG 1.5	Water	09/26/2023	09/27/2023
23I1765-10	Monitoring Well # DG 2-1.5	Water	09/26/2023	09/27/2023
23I1765-11	Monitoring Well # DG 3	Water	09/26/2023	09/27/2023
23I1765-12	Monitoring Well # UG 1	Water	09/26/2023	09/27/2023
23I1765-13	Monitoring Well # UG 2-1.5	Water	09/26/2023	09/27/2023
23I1765-14	Monitoring Well # UG 2.5-2	Water	09/26/2023	09/27/2023
23I1765-15	Monitoring Well # UG 2.75-2	Water	09/26/2023	09/27/2023
23I1765-16	Monitoring Well # UG 3-1.5	Water	09/26/2023	09/27/2023
23I1765-17	Monitoring Well # 3	Water	09/26/2023	09/27/2023
23I1765-18	Monitoring Well # DF 3	Water	09/26/2023	09/27/2023

## **General Notes for York Project (SDG) No.: 23I1765**

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

**Approved By:** 

**Date:** 10/05/2023

Cassie L. Mosher  
Laboratory Manager





### Sample Information

**Client Sample ID:** Monitoring Well # Effluent Pump Chamber

**York Sample ID:** 2311765-01

York Project (SDG) No.  
2311765

Client Project ID  
2309335

Matrix  
Water

Collection Date/Time  
September 26, 2023 9:33 am

Date Received  
09/27/2023

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0589	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 04:51	09/29/2023 04:51	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 04:51	09/29/2023 04:51	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	520		mg/L	2.0	1	SM 2320B	09/29/2023 13:30	10/02/2023 13:35	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	39.0		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 16:10	10/05/2023 16:41	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	51.0		mg/L	0.400	1	SM 4500-N Org D	10/03/2023 16:35	10/04/2023 13:26	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	51.1		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
							Certifications:			

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

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



Sample Information

Client Sample ID: Monitoring Well # Effluent Pump Chamber

York Sample ID: 2311765-01

York Project (SDG) No. 2311765

Client Project ID 2309335

Matrix Water

Collection Date/Time September 26, 2023 9:33 am

Date Received 09/27/2023

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 12.0, mg/L, 0.100, 1, SM 4500-N, 10/05/2023 09:57, 10/05/2023 17:45, AD. Certifications: SM 4500-N.

Sample Information

Client Sample ID: Monitoring Well # BG1-1.5

York Sample ID: 2311765-02

York Project (SDG) No. 2311765

Client Project ID 2309335

Matrix Water

Collection Date/Time September 26, 2023 10:17 am

Date Received 09/27/2023

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 9.93, HT-01R mg/L, 0.0500, 1, EPA 300.0, 09/29/2023 05:18, 09/29/2023 05:18, VR. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, HT-01R mg/L, 0.0500, 1, EPA 300.0, 09/29/2023 05:18, 09/29/2023 05:18, VR. Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 200, mg/L, 2.0, 1, SM 2320B, 09/29/2023 13:30, 10/02/2023 13:35, VR. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7 Ammonia Nitrogen as N, ND, mg/L, 0.0500, 1, SM 4500-NH3 D, 10/03/2023 16:10, 10/05/2023 16:41, AD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. (Empty row)



**Sample Information**

**Client Sample ID:** Monitoring Well # BG1-1.5

**York Sample ID:** 2311765-02

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 10:17 am	<u>Date Received</u> 09/27/2023
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**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Total Kjeldahl Nitrogen</b>	<b>2.86</b>		mg/L	0.400	1	SM 4500-N Org D	10/03/2023 16:35	10/04/2023 13:26	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>* Total Nitrogen</b>	<b>12.8</b>		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>* Total Organic Nitrogen</b>	<b>2.86</b>		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Sample Information**

**Client Sample ID:** Monitoring Well # BG2

**York Sample ID:** 2311765-03

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 2:05 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	<b>Nitrate as N</b>	<b>7.78</b>		mg/L	0.0500	1	EPA 300.0	09/28/2023 05:55	09/28/2023 05:55	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	<b>Nitrite as N</b>	<b>ND</b>		mg/L	0.0500	1	EPA 300.0	09/28/2023 05:55	09/28/2023 05:55	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well # BG2

York Sample ID: 2311765-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 2:05 pm

09/27/2023

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	6.0		mg/L	2.0	1	SM 2320B	09/29/2023 13:30	10/02/2023 13:35	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.0652		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 16:10	10/05/2023 16:41	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.50		mg/L	0.400	1	SM 4500-N Org D	10/03/2023 16:35	10/04/2023 13:26	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	10.3		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.43		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

### Sample Information

Client Sample ID: Monitoring Well # BG-3

York Sample ID: 2311765-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 1:50 pm

09/27/2023

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # BG-3

**York Sample ID:** 23I1765-04

<u>York Project (SDG) No.</u> 23I1765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:50 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/28/2023 05:18	09/28/2023 05:18	VR

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.500	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	10/03/2023 02:11	10/03/2023 02:11	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	490		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	09/29/2023 13:30	10/02/2023 13:35	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	30.7		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/03/2023 16:10	10/05/2023 16:41	AD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	33.7		mg/L	0.400	1	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/03/2023 16:35	10/04/2023 13:26	VR

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	33.7		mg/L	0.0500	1	SM 4500-N B Certifications:	10/05/2023 09:57	10/05/2023 17:45	AD

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	3.00		mg/L	0.100	1	SM 4500-N Certifications:	10/05/2023 09:57	10/05/2023 17:45	AD



**Sample Information**

**Client Sample ID:** Monitoring Well # BG-3

**York Sample ID:** 2311765-04

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:50 pm	<u>Date Received</u> 09/27/2023
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**Sample Information**

**Client Sample ID:** Monitoring Well # DF 2

**York Sample ID:** 2311765-05

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 2:30 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0510		mg/L	0.0500	1	EPA 300.0	09/28/2023 07:02	09/28/2023 07:02	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	09/28/2023 07:02	09/28/2023 07:02	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	650		mg/L	2.0	1	SM 2320B	09/29/2023 13:30	10/02/2023 13:35	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	10.5		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 16:10	10/05/2023 16:41	AD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	13.0		mg/L	0.400	1	SM 4500-N Org D	10/03/2023 16:35	10/04/2023 13:26	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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**Sample Information**

**Client Sample ID:** Monitoring Well # DF 2

**York Sample ID:** 2311765-05

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 2:30 pm	<u>Date Received</u> 09/27/2023
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**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		13.0		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD

Certifications:

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		2.50		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD

Certifications:

**Sample Information**

**Client Sample ID:** Monitoring Well # DF 1

**York Sample ID:** 2311765-06

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 2:15 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	09/28/2023 06:32	09/28/2023 06:32	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	09/28/2023 06:32	09/28/2023 06:32	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	670		mg/L	2.0	1	SM 2320B	09/29/2023 13:30	10/02/2023 13:35	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well # DF 1

York Sample ID: 2311765-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 2:15 pm

09/27/2023

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	33.7		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 16:10	10/05/2023 16:41	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	35.7		mg/L	0.400	1	SM 4500-N Org D	10/03/2023 16:35	10/04/2023 13:26	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	35.7		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.00		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

### Sample Information

Client Sample ID: Monitoring Well # DG 0.5

York Sample ID: 2311765-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 11:12 am

09/27/2023

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.88	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 05:45	09/29/2023 05:45	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # DG 0.5

**York Sample ID:** 2311765-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 11:12 am

09/27/2023

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-0444	09/29/2023 05:45	09/29/2023 05:45	VR

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	10		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	09/29/2023 13:30	10/02/2023 13:35	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.540		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/03/2023 16:10	10/05/2023 16:41	AD

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	3.0	3.05	SM 5210 B-2016 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	09/28/2023 07:31	10/03/2023 15:04	PMB

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	0.920		mg/L	0.400	1	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/04/2023 16:27	10/05/2023 15:20	AD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.80		mg/L	0.0500	1	SM 4500-N B Certifications:	10/05/2023 09:57	10/05/2023 17:45	AD

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.380		mg/L	0.100	1	SM 4500-N Certifications:	10/05/2023 09:57	10/05/2023 17:45	AD



### Sample Information

**Client Sample ID:** Monitoring Well # DG 1.0

**York Sample ID:** 2311765-08

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 11:38 am	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.456	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 06:12	09/29/2023 06:12	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 06:12	09/29/2023 06:12	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	200		mg/L	2.0	1	SM 2320B	09/29/2023 13:30	10/02/2023 13:35	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.466		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 16:10	10/05/2023 16:41	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	24	24.4	SM 5210 B-2016	09/28/2023 07:31	10/03/2023 15:04	PMB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	0.750		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	1.21		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										



**Sample Information**

**Client Sample ID:** Monitoring Well # DG 1.0

**York Sample ID:** 2311765-08

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 11:38 am	<u>Date Received</u> 09/27/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.280		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD

Certifications:

**Sample Information**

**Client Sample ID:** Monitoring Well # DG 1.5

**York Sample ID:** 2311765-09

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 11:57 am	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.165	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 06:39	09/29/2023 06:39	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 06:39	09/29/2023 06:39	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	400		mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	2.58		mg/L	0.0500	1	SM 4500-NH3 D	10/04/2023 14:24	10/04/2023 19:41	SL

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DG 1.5

York Sample ID: 2311765-09

York Project (SDG) No. 2311765 Client Project ID 2309335 Matrix Water Collection Date/Time September 26, 2023 11:57 am Date Received 09/27/2023

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Biochemical Oxygen Demand (BOD) (5-Day), 7.0, mg/L, 3.0, 3.05, SM 5210 B-2016, 09/28/2023 07:31, 10/03/2023 15:04, PMB. Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 2.58, mg/L, 0.400, 1, SM 4500-N Org D, 10/04/2023 16:27, 10/05/2023 15:20, AD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 2.75, mg/L, 0.0500, 1, SM 4500-N B, 10/05/2023 09:57, 10/05/2023 17:45, AD. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, ND, mg/L, 0.100, 1, SM 4500-N, 10/05/2023 09:57, 10/05/2023 17:45, AD. Certifications:

Sample Information

Client Sample ID: Monitoring Well # DG 2-1.5

York Sample ID: 2311765-10

York Project (SDG) No. 2311765 Client Project ID 2309335 Matrix Water Collection Date/Time September 26, 2023 12:30 pm Date Received 09/27/2023

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, ND, HT-01R mg/L, 0.0500, 1, EPA 300.0, 09/29/2023 07:06, 09/29/2023 07:06, VR. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-044

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, HT-01R mg/L, 0.0500, 1, EPA 300.0, 09/29/2023 07:06, 09/29/2023 07:06, VR. Certifications: NELAC-NY10854, CTDOH-PH-0723, PADEP-68-0440



### Sample Information

**Client Sample ID:** Monitoring Well # DG 2-1.5

**York Sample ID:** 23I1765-10

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23I1765

2309335

Water

September 26, 2023 12:30 pm

09/27/2023

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	210		mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	2.36		mg/L	0.0500	1	SM 4500-NH3 D	10/04/2023 14:24	10/04/2023 19:41	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	9.0		mg/L	2.4	2.44	SM 5210 B-2016	09/28/2023 07:31	10/03/2023 15:04	PMB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	3.41		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	3.41		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.05		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										



## Sample Information

**Client Sample ID:** Monitoring Well # DG 3

**York Sample ID:** 2311765-11

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 12:22 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.204	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 07:32	09/29/2023 07:32	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 07:32	09/29/2023 07:32	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	260		mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.734		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 19:52	10/04/2023 15:39	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	8.0		mg/L	3.7	3.66	SM 5210 B-2016	09/28/2023 07:31	10/03/2023 15:04	PMB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.43		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	1.63		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # DG 3

**York Sample ID:** 2311765-11

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 12:22 pm	<u>Date Received</u> 09/27/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.700		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well # UG 1

**York Sample ID:** 2311765-12

<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 12:43 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	5.84	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 08:55	09/29/2023 08:55	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	0.0529	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 08:55	09/29/2023 08:55	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	380	CONT-02	mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 19:52	10/04/2023 15:39	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well # UG 1

York Sample ID: 2311765-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 12:43 pm

09/27/2023

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.00		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	6.89		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.00		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

### Sample Information

Client Sample ID: Monitoring Well # UG 2-1.5

York Sample ID: 2311765-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 1:00 pm

09/27/2023

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 09:22	09/29/2023 09:22	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 09:22	09/29/2023 09:22	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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**Sample Information**

**Client Sample ID:** Monitoring Well # UG 2-1.5

**York Sample ID:** 23I1765-13

<u>York Project (SDG) No.</u> 23I1765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:00 pm	<u>Date Received</u> 09/27/2023
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**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	600		mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	18.6		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 19:52	10/04/2023 15:39	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	21.2		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	21.2		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.60		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Sample Information**

**Client Sample ID:** Monitoring Well # UG 2.5-2

**York Sample ID:** 23I1765-14

<u>York Project (SDG) No.</u> 23I1765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:05 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # UG 2.5-2

**York Sample ID:** 23I1765-14

<u>York Project (SDG) No.</u> 23I1765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:05 pm	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	09/29/2023 09:49	09/29/2023 09:49	VR

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	09/29/2023 09:49	09/29/2023 09:49	VR

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	530		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/03/2023 06:47	10/03/2023 10:07	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	36.3		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/03/2023 19:52	10/04/2023 15:39	SL

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	36.3		mg/L	0.400	1	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/04/2023 16:27	10/05/2023 15:20	AD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	36.3		mg/L	0.0500	1	SM 4500-N B Certifications:	10/05/2023 09:57	10/05/2023 17:45	AD

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	ND		mg/L	0.100	1	SM 4500-N Certifications:	10/05/2023 09:57	10/05/2023 17:45	AD



**Sample Information**

<b>Client Sample ID:</b> Monitoring Well # UG 2.5-2	<b>York Sample ID:</b> 2311765-14			
<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:05 pm	<u>Date Received</u> 09/27/2023

**Sample Information**

<b>Client Sample ID:</b> Monitoring Well # UG 2.75-2	<b>York Sample ID:</b> 2311765-15			
<u>York Project (SDG) No.</u> 2311765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 1:24 pm	<u>Date Received</u> 09/27/2023

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0783	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 10:16	09/29/2023 10:16	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 10:16	09/29/2023 10:16	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-0444										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	510		mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	20.6		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 19:52	10/04/2023 15:39	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	21.4		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # UG 2.75-2 **York Sample ID:** 2311765-15  
**York Project (SDG) No.:** 2311765 **Client Project ID:** 2309335 **Matrix:** Water **Collection Date/Time:** September 26, 2023 1:24 pm **Date Received:** 09/27/2023

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		21.5		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.800		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well # UG 3-1.5 **York Sample ID:** 2311765-16  
**York Project (SDG) No.:** 2311765 **Client Project ID:** 2309335 **Matrix:** Water **Collection Date/Time:** September 26, 2023 11:47 am **Date Received:** 09/27/2023

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 10:43	09/29/2023 10:43	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 10:43	09/29/2023 10:43	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	250		mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # UG 3-1.5

York Sample ID: 2311765-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 11:47 am

09/27/2023

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 4.33, mg/L, 0.0500, 1, SM 4500-NH3 D, 10/03/2023 19:52, 10/04/2023 15:39, SL. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 5.15, mg/L, 0.400, 1, SM 4500-N Org D, 10/04/2023 16:27, 10/05/2023 15:20, AD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 5.15, mg/L, 0.0500, 1, SM 4500-N B, 10/05/2023 09:57, 10/05/2023 17:45, AD. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 0.820, mg/L, 0.100, 1, SM 4500-N, 10/05/2023 09:57, 10/05/2023 17:45, AD. Certifications:

Sample Information

Client Sample ID: Monitoring Well # 3

York Sample ID: 2311765-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2311765

2309335

Water

September 26, 2023 1:43 pm

09/27/2023

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8, Nitrate as N, 3.98, HT-01R mg/L, 0.0500, 1, EPA 300.0, 09/29/2023 11:09, 09/29/2023 11:09, VR. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # 3

**York Sample ID:** 23I1765-17

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

23I1765

2309335

Water

September 26, 2023 1:43 pm

09/27/2023

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 11:09	09/29/2023 11:09	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	24	CONT-02	mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 19:52	10/04/2023 15:39	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	3.0	3.05	SM 5210 B-2016	09/28/2023 07:31	10/03/2023 15:04	PMB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	ND		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	3.98		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	ND		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # DF 3

**York Sample ID:** 23I1765-18

<u>York Project (SDG) No.</u> 23I1765	<u>Client Project ID</u> 2309335	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 26, 2023 11:10 am	<u>Date Received</u> 09/27/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	4.89	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 11:36	09/29/2023 11:36	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.0500	1	EPA 300.0	09/29/2023 11:36	09/29/2023 11:36	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	10	CONT-02	mg/L	2.0	1	SM 2320B	10/03/2023 06:47	10/03/2023 10:07	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	10/03/2023 19:52	10/04/2023 15:39	SL
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.29		mg/L	0.400	1	SM 4500-N Org D	10/04/2023 16:27	10/05/2023 15:20	AD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	6.18		mg/L	0.0500	1	SM 4500-N B	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.29		mg/L	0.100	1	SM 4500-N	10/05/2023 09:57	10/05/2023 17:45	AD
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # DF 3

**York Sample ID:** 23I1765-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23I1765

2309335

Water

September 26, 2023 11:10 am

09/27/2023

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## Analytical Batch Summary

**Batch ID:** BI31765      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-07	Monitoring Well # DG 0.5	09/28/23
23I1765-08	Monitoring Well # DG 1.0	09/28/23
23I1765-09	Monitoring Well # DG 1.5	09/28/23
23I1765-10	Monitoring Well # DG 2-1.5	09/28/23
23I1765-11	Monitoring Well # DG 3	09/28/23
23I1765-17	Monitoring Well # 3	09/28/23
BI31765-BLK1	Blank	09/28/23
BI31765-BLK2	Blank	09/28/23
BI31765-DUP1	Duplicate	09/28/23
BI31765-DUP2	Duplicate	09/28/23

**Batch ID:** BI31808      **Preparation Method:** EPA 300      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-03	Monitoring Well # BG2	09/28/23
23I1765-04	Monitoring Well # BG-3	09/28/23
23I1765-05	Monitoring Well # DF 2	09/28/23
23I1765-06	Monitoring Well # DF 1	09/28/23
BI31808-BLK1	Blank	09/28/23
BI31808-BS1	LCS	09/28/23
BI31808-DUP1	Duplicate	09/28/23
BI31808-DUP2	Duplicate	09/28/23
BI31808-MS1	Matrix Spike	09/28/23
BI31808-MS2	Matrix Spike	09/28/23
BI31808-MSD1	Matrix Spike Dup	09/28/23
BI31808-MSD2	Matrix Spike Dup	09/28/23

**Batch ID:** BI31911      **Preparation Method:** EPA 300      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-01	Monitoring Well # Effluent Pun	09/29/23
23I1765-02	Monitoring Well # BG1-1.5	09/29/23
23I1765-07	Monitoring Well # DG 0.5	09/29/23
23I1765-08	Monitoring Well # DG 1.0	09/29/23
23I1765-09	Monitoring Well # DG 1.5	09/29/23
23I1765-10	Monitoring Well # DG 2-1.5	09/29/23
23I1765-11	Monitoring Well # DG 3	09/29/23
23I1765-12	Monitoring Well # UG 1	09/29/23
23I1765-13	Monitoring Well # UG 2-1.5	09/29/23
23I1765-14	Monitoring Well # UG 2.5-2	09/29/23
23I1765-15	Monitoring Well # UG 2.75-2	09/29/23
23I1765-16	Monitoring Well # UG 3-1.5	09/29/23
23I1765-17	Monitoring Well # 3	09/29/23
23I1765-18	Monitoring Well # DF 3	09/29/23
BI31911-BLK1	Blank	09/28/23



BI31911-BS1	LCS	09/28/23
BI31911-DUP1	Duplicate	09/28/23
BI31911-DUP2	Duplicate	09/29/23
BI31911-MS1	Matrix Spike	09/28/23
BI31911-MS2	Matrix Spike	09/29/23
BI31911-MSD1	Matrix Spike Dup	09/28/23
BI31911-MSD2	Matrix Spike Dup	09/29/23

**Batch ID:** BI31913      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-01	Monitoring Well # Effluent Pun	09/29/23
23I1765-02	Monitoring Well # BG1-1.5	09/29/23
23I1765-03	Monitoring Well # BG2	09/29/23
23I1765-04	Monitoring Well # BG-3	09/29/23
23I1765-05	Monitoring Well # DF 2	09/29/23
23I1765-06	Monitoring Well # DF 1	09/29/23
23I1765-07	Monitoring Well # DG 0.5	09/29/23
23I1765-08	Monitoring Well # DG 1.0	09/29/23
BI31913-DUP1	Duplicate	09/29/23
BI31913-SRM1	Reference	09/29/23

**Batch ID:** BJ30100      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-09	Monitoring Well # DG 1.5	10/03/23
23I1765-10	Monitoring Well # DG 2-1.5	10/03/23
23I1765-11	Monitoring Well # DG 3	10/03/23
23I1765-12	Monitoring Well # UG 1	10/03/23
23I1765-13	Monitoring Well # UG 2-1.5	10/03/23
23I1765-14	Monitoring Well # UG 2.5-2	10/03/23
23I1765-15	Monitoring Well # UG 2.75-2	10/03/23
23I1765-16	Monitoring Well # UG 3-1.5	10/03/23
23I1765-17	Monitoring Well # 3	10/03/23
23I1765-18	Monitoring Well # DF 3	10/03/23
BJ30100-DUP1	Duplicate	10/03/23
BJ30100-SRM1	Reference	10/03/23

**Batch ID:** BJ30125      **Preparation Method:** EPA 300      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-04	Monitoring Well # BG-3	10/03/23
BJ30125-BLK1	Blank	10/02/23
BJ30125-BS1	LCS	10/02/23
BJ30125-DUP1	Duplicate	10/02/23
BJ30125-DUP2	Duplicate	10/02/23
BJ30125-MS1	Matrix Spike	10/02/23
BJ30125-MS2	Matrix Spike	10/02/23
BJ30125-MSD1	Matrix Spike Dup	10/02/23
BJ30125-MSD2	Matrix Spike Dup	10/02/23



**Batch ID:** BJ30169

**Preparation Method:** Analysis Preparation

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-01	Monitoring Well # Effluent Pun	10/03/23
23I1765-02	Monitoring Well # BG1-1.5	10/03/23
23I1765-03	Monitoring Well # BG2	10/03/23
23I1765-04	Monitoring Well # BG-3	10/03/23
23I1765-05	Monitoring Well # DF 2	10/03/23
23I1765-06	Monitoring Well # DF 1	10/03/23
23I1765-07	Monitoring Well # DG 0.5	10/03/23
23I1765-08	Monitoring Well # DG 1.0	10/03/23
BJ30169-BLK1	Blank	10/03/23
BJ30169-BS1	LCS	10/03/23
BJ30169-DUP1	Duplicate	10/03/23
BJ30169-MS1	Matrix Spike	10/03/23
BJ30169-MSD1	Matrix Spike Dup	10/03/23

**Batch ID:** BJ30172

**Preparation Method:** Analysis Prep for SAA

**Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-01	Monitoring Well # Effluent Pun	10/03/23
23I1765-02	Monitoring Well # BG1-1.5	10/03/23
23I1765-03	Monitoring Well # BG2	10/03/23
23I1765-04	Monitoring Well # BG-3	10/03/23
23I1765-05	Monitoring Well # DF 2	10/03/23
23I1765-06	Monitoring Well # DF 1	10/03/23
BJ30172-BLK1	Blank	10/03/23
BJ30172-BS1	LCS	10/03/23
BJ30172-DUP1	Duplicate	10/03/23
BJ30172-MS1	Matrix Spike	10/03/23

**Batch ID:** BJ30175

**Preparation Method:** Analysis Preparation

**Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-11	Monitoring Well # DG 3	10/03/23
23I1765-12	Monitoring Well # UG 1	10/03/23
23I1765-13	Monitoring Well # UG 2-1.5	10/03/23
23I1765-14	Monitoring Well # UG 2.5-2	10/03/23
23I1765-15	Monitoring Well # UG 2.75-2	10/03/23
23I1765-16	Monitoring Well # UG 3-1.5	10/03/23
23I1765-17	Monitoring Well # 3	10/03/23
23I1765-18	Monitoring Well # DF 3	10/03/23
BJ30175-BLK1	Blank	10/03/23
BJ30175-BS1	LCS	10/03/23
BJ30175-DUP1	Duplicate	10/03/23
BJ30175-MS1	Matrix Spike	10/03/23
BJ30175-MSD1	Matrix Spike Dup	10/03/23



**Batch ID:** BJ30250

**Preparation Method:** Analysis Preparation

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-09	Monitoring Well # DG 1.5	10/04/23
23I1765-10	Monitoring Well # DG 2-1.5	10/04/23
BJ30250-BLK2	Blank	10/04/23
BJ30250-BS2	LCS	10/04/23
BJ30250-DUP1	Duplicate	10/04/23
BJ30250-MS1	Matrix Spike	10/04/23
BJ30250-MSD1	Matrix Spike Dup	10/04/23

**Batch ID:** BJ30258

**Preparation Method:** Analysis Prep for SAA

**Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-07	Monitoring Well # DG 0.5	10/04/23
23I1765-08	Monitoring Well # DG 1.0	10/04/23
23I1765-09	Monitoring Well # DG 1.5	10/04/23
23I1765-10	Monitoring Well # DG 2-1.5	10/04/23
23I1765-11	Monitoring Well # DG 3	10/04/23
23I1765-12	Monitoring Well # UG 1	10/04/23
23I1765-13	Monitoring Well # UG 2-1.5	10/04/23
23I1765-14	Monitoring Well # UG 2.5-2	10/04/23
23I1765-15	Monitoring Well # UG 2.75-2	10/04/23
23I1765-16	Monitoring Well # UG 3-1.5	10/04/23
23I1765-17	Monitoring Well # 3	10/04/23
23I1765-18	Monitoring Well # DF 3	10/04/23
BJ30258-BLK1	Blank	10/04/23
BJ30258-BS1	LCS	10/04/23
BJ30258-DUP1	Duplicate	10/04/23
BJ30258-MS1	Matrix Spike	10/04/23

**Batch ID:** BJ30302

**Preparation Method:** Analysis Prep for SAA

**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23I1765-01	Monitoring Well # Effluent Pun	10/05/23
23I1765-02	Monitoring Well # BG1-1.5	10/05/23
23I1765-03	Monitoring Well # BG2	10/05/23
23I1765-04	Monitoring Well # BG-3	10/05/23
23I1765-05	Monitoring Well # DF 2	10/05/23
23I1765-06	Monitoring Well # DF 1	10/05/23
23I1765-07	Monitoring Well # DG 0.5	10/05/23
23I1765-08	Monitoring Well # DG 1.0	10/05/23
23I1765-09	Monitoring Well # DG 1.5	10/05/23
23I1765-10	Monitoring Well # DG 2-1.5	10/05/23
23I1765-11	Monitoring Well # DG 3	10/05/23
23I1765-12	Monitoring Well # UG 1	10/05/23
23I1765-13	Monitoring Well # UG 2-1.5	10/05/23
23I1765-14	Monitoring Well # UG 2.5-2	10/05/23
23I1765-15	Monitoring Well # UG 2.75-2	10/05/23
23I1765-16	Monitoring Well # UG 3-1.5	10/05/23
23I1765-17	Monitoring Well # 3	10/05/23



23I1765-18

Monitoring Well # DF 3

10/05/23





**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI31808 - EPA 300</b>											
<b>Blank (BI31808-BLK1)</b>											Prepared & Analyzed: 09/28/2023
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BI31808-BS1)</b>											Prepared & Analyzed: 09/28/2023
Nitrate as N	10.1	0.0500	mg/L	10.0		101	90-110				
Nitrite as N	10.2	0.0500	"	10.0		102	90-110				
<b>Duplicate (BI31808-DUP1)</b>											*Source sample: 2311765-04 (Monitoring Well # BG-3) Prepared & Analyzed: 09/28/2023
Nitrate as N	ND	0.0500	mg/L		ND						15
Nitrite as N	ND	0.0500	"		ND						15
<b>Duplicate (BI31808-DUP2)</b>											*Source sample: 2311765-03 (Monitoring Well # BG2) Prepared & Analyzed: 09/28/2023
Nitrate as N	7.74	0.0500	mg/L		7.78				0.446		15
Nitrite as N	ND	0.0500	"		ND						15
<b>Matrix Spike (BI31808-MS1)</b>											*Source sample: 2311765-04 (Monitoring Well # BG-3) Prepared & Analyzed: 09/28/2023
Nitrate as N	4.67	0.0500	mg/L	10.0	ND	46.7	90-110	Low Bias			
Nitrite as N	8.20	0.0500	"	10.0	ND	82.0	90-110	Low Bias			
<b>Matrix Spike (BI31808-MS2)</b>											*Source sample: 2311765-03 (Monitoring Well # BG2) Prepared & Analyzed: 09/28/2023
Nitrate as N	18.3	0.0500	mg/L	10.0	7.78	105	90-110				
Nitrite as N	8.73	0.0500	"	10.0	ND	87.3	90-110	Low Bias			
<b>Matrix Spike Dup (BI31808-MSD1)</b>											*Source sample: 2311765-04 (Monitoring Well # BG-3) Prepared & Analyzed: 09/28/2023
Nitrate as N	4.56	0.0500	mg/L	10.0	ND	45.6	90-110	Low Bias	2.39		200
Nitrite as N	8.19	0.0500	"	10.0	ND	81.9	90-110	Low Bias	0.156		200
<b>Matrix Spike Dup (BI31808-MSD2)</b>											*Source sample: 2311765-03 (Monitoring Well # BG2) Prepared & Analyzed: 09/28/2023
Nitrate as N	18.3	0.0500	mg/L	10.0	7.78	105	90-110		0.0892		200
Nitrite as N	8.82	0.0500	"	10.0	ND	88.2	90-110	Low Bias	0.982		200



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BI31911 - EPA 300</b>												
<b>Blank (BI31911-BLK1)</b>											Prepared & Analyzed: 09/28/2023	
Nitrate as N	ND	0.0500	mg/L									
Nitrite as N	ND	0.0500	"									
<b>LCS (BI31911-BS1)</b>											Prepared & Analyzed: 09/28/2023	
Nitrate as N	9.46	0.0500	mg/L	10.0		94.6	90-110					
Nitrite as N	9.47	0.0500	"	10.0		94.7	90-110					
<b>Duplicate (BI31911-DUP1)</b>											*Source sample: 2311743-01 (Duplicate)	Prepared & Analyzed: 09/28/2023
Nitrate as N	12.6	0.0500	mg/L		12.8				1.46	15		
Nitrite as N	ND	0.0500	"							15		
<b>Duplicate (BI31911-DUP2)</b>											*Source sample: 2311743-02 (Duplicate)	Prepared & Analyzed: 09/29/2023
Nitrate as N	2.20	0.0500	mg/L		2.21				0.725	15		
Nitrite as N	0.0456	0.0500	"		0.0490				7.19	15		
<b>Matrix Spike (BI31911-MS1)</b>											*Source sample: 2311743-01 (Matrix Spike)	Prepared & Analyzed: 09/28/2023
Nitrate as N	20.6	0.0500	mg/L	10.0	12.8	78.1	90-110	Low Bias				
Nitrite as N	8.17	0.0500	"	10.0		81.7	90-110	Low Bias				
<b>Matrix Spike (BI31911-MS2)</b>											*Source sample: 2311743-02 (Matrix Spike)	Prepared & Analyzed: 09/29/2023
Nitrate as N	10.5	0.0500	mg/L	10.0	2.21	82.5	90-110	Low Bias				
Nitrite as N	8.35	0.0500	"	10.0	0.0490	83.0	90-110	Low Bias				
<b>Matrix Spike Dup (BI31911-MSD1)</b>											*Source sample: 2311743-01 (Matrix Spike Dup)	Prepared & Analyzed: 09/28/2023
Nitrate as N	20.6	0.0500	mg/L	10.0	12.8	78.0	90-110	Low Bias	0.0592	200		
Nitrite as N	7.97	0.0500	"	10.0		79.7	90-110	Low Bias	2.54	200		
<b>Matrix Spike Dup (BI31911-MSD2)</b>											*Source sample: 2311743-02 (Matrix Spike Dup)	Prepared & Analyzed: 09/29/2023
Nitrate as N	10.6	0.0500	mg/L	10.0	2.21	84.3	90-110	Low Bias	1.73	200		
Nitrite as N	8.33	0.0500	"	10.0	0.0490	82.8	90-110	Low Bias	0.175	200		



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ30125 - EPA 300</b>											
<b>Blank (BJ30125-BLK1)</b> Prepared & Analyzed: 10/02/2023											
Nitrite as N	ND	0.0500	mg/L								
<b>LCS (BJ30125-BS1)</b> Prepared & Analyzed: 10/02/2023											
Nitrite as N	10.4	0.0500	mg/L	10.0		104	90-110				
<b>Duplicate (BJ30125-DUP1)</b> *Source sample: 23J0053-01 (Duplicate) Prepared & Analyzed: 10/02/2023											
Nitrite as N	ND	0.0500	mg/L		ND						15
<b>Duplicate (BJ30125-DUP2)</b> *Source sample: 23J0053-02 (Duplicate) Prepared & Analyzed: 10/02/2023											
Nitrite as N	ND	0.0500	mg/L		ND						15
<b>Matrix Spike (BJ30125-MS1)</b> *Source sample: 23J0053-01 (Matrix Spike) Prepared & Analyzed: 10/02/2023											
Nitrite as N	9.80	0.0500	mg/L	10.0	ND	98.0	90-110				
<b>Matrix Spike (BJ30125-MS2)</b> *Source sample: 23J0053-02 (Matrix Spike) Prepared & Analyzed: 10/02/2023											
Nitrite as N	9.37	0.0500	mg/L	10.0	ND	93.7	90-110				
<b>Matrix Spike Dup (BJ30125-MSD1)</b> *Source sample: 23J0053-01 (Matrix Spike Dup) Prepared & Analyzed: 10/02/2023											
Nitrite as N	9.78	0.0500	mg/L	10.0	ND	97.8	90-110		0.135		200
<b>Matrix Spike Dup (BJ30125-MSD2)</b> *Source sample: 23J0053-02 (Matrix Spike Dup) Prepared & Analyzed: 10/02/2023											
Nitrite as N	9.72	0.0500	mg/L	10.0	ND	97.2	90-110		3.62		200



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI31765 - Analysis Preparation</b>											
<b>Blank (BI31765-BLK1)</b> Prepared: 09/28/2023 Analyzed: 10/03/2023											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
<b>Blank (BI31765-BLK2)</b> Prepared: 09/28/2023 Analyzed: 10/03/2023											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
<b>Duplicate (BI31765-DUP1)</b> *Source sample: 2311743-01 (Duplicate) Prepared: 09/28/2023 Analyzed: 10/03/2023											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	3.0	mg/L		ND					40	
<b>Duplicate (BI31765-DUP2)</b> *Source sample: 2311765-07 (Monitoring Well # DG 0.5) Prepared: 09/28/2023 Analyzed: 10/03/2023											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	3.0	mg/L		ND					40	
<b>Batch BI31913 - Analysis Preparation</b>											
<b>Duplicate (BI31913-DUP1)</b> *Source sample: 2311765-08 (Monitoring Well # DG 1.0) Prepared: 09/29/2023 Analyzed: 10/02/2023											
Alkalinity, total	200	2.0	mg/L		200				2.02	15	
<b>Reference (BI31913-SRM1)</b> Prepared: 09/29/2023 Analyzed: 10/02/2023											
Alkalinity, total	76		mg/L	77.2		98.4	90-110				
<b>Batch BJ30100 - Analysis Preparation</b>											
<b>Duplicate (BJ30100-DUP1)</b> *Source sample: 2311850-03 (Duplicate) Prepared & Analyzed: 10/03/2023											
Alkalinity, total	220	2.0	mg/L		220				1.80	15	
<b>Reference (BJ30100-SRM1)</b> Prepared & Analyzed: 10/03/2023											
Alkalinity, total	76		mg/L	77.2		98.4	90-110				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ30169 - Analysis Preparation</b>											
<b>Blank (BJ30169-BLK1)</b> <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/05/2023</span>											
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BJ30169-BS1)</b> <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/05/2023</span>											
Ammonia Nitrogen as N	0.985	0.0500	mg/L	1.00		98.5	85-125				
<b>Duplicate (BJ30169-DUP1)</b> *Source sample: 23I1765-01 (Monitoring Well # Effluent Pump Chamber) <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/05/2023</span>											
Ammonia Nitrogen as N	39.0	0.0500	mg/L		39.0				0.00	15	
<b>Matrix Spike (BJ30169-MS1)</b> *Source sample: 23I1765-01 (Monitoring Well # Effluent Pump Chamber) <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/05/2023</span>											
Ammonia Nitrogen as N	53.0	0.0500	mg/L	10.0	39.0	140	80-120	High Bias			
<b>Matrix Spike Dup (BJ30169-MSD1)</b> *Source sample: 23I1765-01 (Monitoring Well # Effluent Pump Chamber) <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/05/2023</span>											
Ammonia Nitrogen as N	53.3	0.0500	mg/L	10.0	39.0	143	80-120	High Bias	0.564	200	
<b>Batch BJ30172 - Analysis Prep for SAA</b>											
<b>Blank (BJ30172-BLK1)</b> <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/04/2023</span>											
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BJ30172-BS1)</b> <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/04/2023</span>											
Total Kjeldahl Nitrogen	4.68		mg/L	5.00		93.7	70-130				
<b>Duplicate (BJ30172-DUP1)</b> *Source sample: 23I1763-01 (Duplicate) <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/04/2023</span>											
Total Kjeldahl Nitrogen	16.0	0.400	mg/L		16.2				0.930	20	
<b>Matrix Spike (BJ30172-MS1)</b> *Source sample: 23I1763-01 (Matrix Spike) <span style="float:right">Prepared: 10/03/2023 Analyzed: 10/04/2023</span>											
Total Kjeldahl Nitrogen	22.6	0.400	mg/L	5.00	16.2	128	70-130				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BJ30175 - Analysis Preparation**

<b>Blank (BJ30175-BLK1)</b>											Prepared: 10/03/2023 Analyzed: 10/04/2023			
Ammonia Nitrogen as N	ND	0.0500	mg/L											
<b>LCS (BJ30175-BS1)</b>											Prepared: 10/03/2023 Analyzed: 10/04/2023			
Ammonia Nitrogen as N	1.16	0.0500	mg/L	1.00		116	85-125							
<b>Duplicate (BJ30175-DUP1)</b>											*Source sample: 23I1765-11 (Monitoring Well # DG 3)		Prepared: 10/03/2023 Analyzed: 10/04/2023	
Ammonia Nitrogen as N	0.746	0.0500	mg/L		0.734				1.62	15				
<b>Matrix Spike (BJ30175-MS1)</b>											*Source sample: 23I1765-11 (Monitoring Well # DG 3)		Prepared: 10/03/2023 Analyzed: 10/04/2023	
Ammonia Nitrogen as N	13.6	0.0500	mg/L	10.0	0.734	129	80-120	High Bias						
<b>Matrix Spike Dup (BJ30175-MSD1)</b>											*Source sample: 23I1765-11 (Monitoring Well # DG 3)		Prepared: 10/03/2023 Analyzed: 10/04/2023	
Ammonia Nitrogen as N	13.6	0.0500	mg/L	10.0	0.734	129	80-120	High Bias	0.00	200				

**Batch BJ30250 - Analysis Preparation**

<b>Blank (BJ30250-BLK2)</b>											Prepared & Analyzed: 10/04/2023			
Ammonia Nitrogen as N	ND	0.0500	mg/L											
<b>LCS (BJ30250-BS2)</b>											Prepared & Analyzed: 10/04/2023			
Ammonia Nitrogen as N	1.14	0.0500	mg/L	1.00		114	85-125							
<b>Duplicate (BJ30250-DUP1)</b>											*Source sample: 23I1850-03 (Duplicate)		Prepared & Analyzed: 10/04/2023	
Ammonia Nitrogen as N	7.03	0.0500	mg/L		7.01				0.285	15				
<b>Matrix Spike (BJ30250-MS1)</b>											*Source sample: 23I1850-03 (Matrix Spike)		Prepared & Analyzed: 10/04/2023	
Ammonia Nitrogen as N	19.6	0.0500	mg/L	10.0	7.01	126	80-120	High Bias						



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ30250 - Analysis Preparation</b>											
<b>Matrix Spike Dup (BJ30250-MSD1)</b>	*Source sample: 2311850-03 (Matrix Spike Dup)						Prepared & Analyzed: 10/04/2023				
Ammonia Nitrogen as N	19.6	0.0500	mg/L	10.0	7.01	126	80-120	High Bias	0.00	200	
<b>Batch BJ30258 - Analysis Prep for SAA</b>											
<b>Blank (BJ30258-BLK1)</b>							Prepared: 10/04/2023 Analyzed: 10/05/2023				
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BJ30258-BS1)</b>							Prepared: 10/04/2023 Analyzed: 10/05/2023				
Total Kjeldahl Nitrogen	4.25		mg/L	5.00		85.0	70-130				
<b>Duplicate (BJ30258-DUP1)</b>	*Source sample: 2311765-07 (Monitoring Well # DG 0.5)						Prepared: 10/04/2023 Analyzed: 10/05/2023				
Total Kjeldahl Nitrogen	1.20	0.400	mg/L		0.920				26.4	20	Non-dir.
<b>Matrix Spike (BJ30258-MS1)</b>	*Source sample: 2311765-07 (Monitoring Well # DG 0.5)						Prepared: 10/04/2023 Analyzed: 10/05/2023				
Total Kjeldahl Nitrogen	4.63	0.400	mg/L	5.00	0.920	74.2	70-130				





## Sample and Data Qualifiers Relating to This Work Order

- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- HT-01R This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
- CONT-02 Alkalinity was performed on a sample from a container with head space.

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.



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

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

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ANALYTICAL LABORATORIES, INC.  
 120 RESEARCH DRIVE  
 STRATFORD, CT 06615  
 203.325.1371 FAX 203.357-0166

# Field Chain-of-Custody Record

<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741		<b>Report to:</b> SAME	<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE	<b>Project ID/No.</b> 2309335 Canoe Place Inn Monitoring Well Samples	<b>Client</b> Samples Collected by (signature) [Signature] 23I1765 CLIENT
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Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Analyses Requested	Name (printed)	Container Desc.
				Water	Soil	Air/Other			
001	Monitoring Well # Effluent Pump Chamber	09/26/23	9:33 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
002	Monitoring Well # BG1 - 1.5	09/26/23	10:17 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
003	Monitoring Well # BG2	09/26/23	2:05 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
004	Monitoring Well # BG-3	09/26/23	1:50 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
005	Monitoring Well # DF 2	09/26/23	2:30 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
006	Monitoring Well # DF 1	09/26/23	2:15 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
007	Monitoring Well # DG 0.5	09/26/23	11:12 AM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-250 mL H2SO4	
008	Monitoring Well # DG 1.0	09/26/23	11:38 AM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-250 mL H2SO4	
009	Monitoring Well # DG 1.5	09/26/23	11:57 AM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-250 mL H2SO4	
010	Monitoring Well # DG 2-1.5	09/26/23	12:30 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-250 mL H2SO4	

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: [Signature] Date/Time: 09/27/23

Bottles received in field by: [Signature] Date/Time: 09/27/23

Comments/Special Instructions: USE LOCATION ID AS SAMPLE ID  
**Please prepare a QA Summary Report**

Total # of Bottles for this PROJECT (COC This Page): 34 Bottles

Turn-Around Time Requested-Specify Date: 9/27/23  
 Expected if RUSH Requested: DATE DUE FOR RUSH: 9/27/23

X STANDARD RUSH(Define) \_\_\_\_\_

*Rec: Canoe Inn 9/27 2:10 PM*

# Field Chain-of-Custody Record

Sample No.	Location/ID	Date Sampled	Time Sampled	Invoice to:			Project ID/No.	Name (printed)
				Water	Soil	Air/Other		
<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741				<b>Report to:</b> SAME		<b>Project ID/No.</b> 2309335		CLIENT Samples Collected by (signature) <i>23 I 1765</i>
<b>Monitoring Well #</b> DG 3				<b>Canoe Place Inn</b> Monitoring Well Samples		Container Desc. 1-1000 mL, 1-500 mL, 1-250 mL, 1-250 mL H2SO4		
011	Monitoring Well # DG 3	09/26/23	12:22 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
012	Monitoring Well # UG 1	09/26/23	12:43 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
013	Monitoring Well # UG 2 -1.5	09/26/23	1:00 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
014	Monitoring Well # UG 2.5 - 2	09/26/23	1:05 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
015	Monitoring Well # UG 2.75 - 2	09/26/23	1:24 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
016	Monitoring Well # UG 3-1.5	09/26/23	11:47 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
017	Monitoring Well # 3	09/26/23	1:43 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-250 mL H2SO4
018	Monitoring Well # DF 3	09/26/23	11:10 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-250 mL H2SO4
019								
020								

**Chain-of-Custody Record**

Bottles Relinquished from Lab by KCCW Date/Time 09/27/23

Bottles received in field by [Signature] Date/Time 09/27/23

Comments/Special Instructions **USE LOCATION ID AS SAMPLE ID**

**Please prepare a QA Summary Report**

Rec: [Signature] Date: 09/27/23

Total # of Bottles for this PROJECT (COC This Page): 26 Bottles

Turn-Around Time Requested: 2.5C Date/Time 09/27/23

Expected if RUSH Requested: DATE DUE FOR RUSH:

STANDARD  RUSH (Define) 2100



# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
**Attention: Brian Leshinger**

Report Date: 11/01/2023  
**Client Project ID: 2310334**  
York Project (SDG) No.: 23J1552

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 11/01/2023  
Client Project ID: 2310334  
York Project (SDG) No.: 23J1552

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 24, 2023 and listed below. The project was identified as your project: **2310334**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23J1552-01	Monitoring Well # DG 0.5	Water	10/23/2023	10/24/2023
23J1552-02	Monitoring Well # DG 1.0	Water	10/23/2023	10/24/2023
23J1552-03	Monitoring Well # DG 1.5	Water	10/23/2023	10/24/2023
23J1552-04	Monitoring Well # DG 2-1.5	Water	10/23/2023	10/24/2023
23J1552-05	Monitoring Well # 3	Water	10/23/2023	10/24/2023
23J1552-06	Monitoring Well # DG-3	Water	10/23/2023	10/24/2023

## **General Notes for York Project (SDG) No.: 23J1552**

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

**Approved By:** 

Cassie L. Mosher  
Laboratory Manager

**Date:** 11/01/2023





## Sample Information

**Client Sample ID:** Monitoring Well # DG 0.5

**York Sample ID:** 23J1552-01

<u>York Project (SDG) No.</u> 23J1552	<u>Client Project ID</u> 2310334	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 23, 2023 12:45 pm	<u>Date Received</u> 10/24/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.78		mg/L	0.0500	1	EPA 300.0	10/25/2023 02:56	10/25/2023 02:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/25/2023 02:56	10/25/2023 02:56	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	88		mg/L	2.0	1	SM 2320B	10/26/2023 07:06	10/26/2023 13:28	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	10/25/2023 12:28	10/26/2023 15:51	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	2.4	2.44	SM 5210 B-2016	10/25/2023 08:11	10/30/2023 13:33	PMB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.10		mg/L	0.400	5	SM 4500-N Org D	10/30/2023 15:38	11/01/2023 10:12	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	5.88		mg/L	0.0500	1	SM 4500-N B	11/01/2023 07:03	11/01/2023 15:56	AD
							Certifications:			



### Sample Information

**Client Sample ID:** Monitoring Well # DG 0.5

**York Sample ID:** 23J1552-01

<u>York Project (SDG) No.</u> 23J1552	<u>Client Project ID</u> 2310334	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 23, 2023 12:45 pm	<u>Date Received</u> 10/24/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		2.10		mg/L	0.100	1	SM 4500-N	11/01/2023 07:03	11/01/2023 15:56	AD
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well # DG 1.0

**York Sample ID:** 23J1552-02

<u>York Project (SDG) No.</u> 23J1552	<u>Client Project ID</u> 2310334	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 23, 2023 12:58 pm	<u>Date Received</u> 10/24/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.764		mg/L	0.0500	1	EPA 300.0	10/25/2023 03:06	10/25/2023 03:06	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/25/2023 03:06	10/25/2023 03:06	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	240		mg/L	2.0	1	SM 2320B	10/26/2023 07:06	10/26/2023 13:28	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.78		mg/L	0.0500	1	SM 4500-NH3 D	10/26/2023 11:04	10/27/2023 14:16	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DG 1.0

York Sample ID: 23J1552-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23J1552, 2310334, Water, October 23, 2023 12:58 pm, 10/24/2023

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Biochemical Oxygen Demand (BOD) (5-Day), 7.5, BOD-D mg/L, IFF, 3.0, 3.05, SM 5210 B-2016, 10/25/2023 08:11, 10/30/2023 13:33, PMB. Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Total Kjeldahl Nitrogen, 2.22, mg/L, 0.400, 5, SM 4500-N Org D, 10/30/2023 15:38, 11/01/2023 10:12, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 2.98, mg/L, 0.0500, 1, SM 4500-N B, 11/01/2023 07:03, 11/01/2023 15:56, AD. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 0.440, mg/L, 0.100, 1, SM 4500-N, 11/01/2023 07:03, 11/01/2023 15:56, AD. Certifications:

Sample Information

Client Sample ID: Monitoring Well # DG 1.5

York Sample ID: 23J1552-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23J1552, 2310334, Water, October 23, 2023 1:33 pm, 10/24/2023

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, 0.154, mg/L, 0.0500, 1, EPA 300.0, 10/25/2023 04:10, 10/25/2023 04:10, NJO. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Empty



### Sample Information

**Client Sample ID:** Monitoring Well # DG 1.5

**York Sample ID:** 23J1552-03

<u>York Project (SDG) No.</u> 23J1552	<u>Client Project ID</u> 2310334	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 23, 2023 1:33 pm	<u>Date Received</u> 10/24/2023
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**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	10/25/2023 04:10	10/25/2023 04:10	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	370		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/26/2023 07:06	10/26/2023 13:28	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	4.69		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/26/2023 11:04	10/27/2023 14:16	TCD

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	9.0		mg/L	3.0	3.05	SM 5210 B-2016 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/25/2023 08:11	10/30/2023 13:33	PMB

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	6.80		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/30/2023 15:38	11/01/2023 10:12	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	6.95		mg/L	0.0500	1	SM 4500-N B Certifications:	11/01/2023 07:03	11/01/2023 15:56	AD

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.11		mg/L	0.100	1	SM 4500-N Certifications:	11/01/2023 07:03	11/01/2023 15:56	AD



### Sample Information

**Client Sample ID:** Monitoring Well # DG 2-1.5

**York Sample ID:** 23J1552-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23J1552

2310334

Water

October 23, 2023 12:28 pm

10/24/2023

**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	10/25/2023 02:46	10/25/2023 02:46	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/25/2023 02:46	10/25/2023 02:46	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	270		mg/L	2.0	1	SM 2320B	10/26/2023 07:06	10/26/2023 13:28	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	2.08		mg/L	0.0500	1	SM 4500-NH3 D	10/26/2023 11:04	10/27/2023 14:16	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	16	BOD-D IFF	mg/L	6.1	6.1	SM 5210 B-2016	10/25/2023 08:11	10/30/2023 13:33	PMB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.60		mg/L	0.400	5	SM 4500-N Org D	10/30/2023 15:38	11/01/2023 10:12	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	2.60		mg/L	0.0500	1	SM 4500-N B	11/01/2023 07:03	11/01/2023 15:56	AD
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # DG 2-1.5

**York Sample ID:** 23J1552-04

<u>York Project (SDG) No.</u> 23J1552	<u>Client Project ID</u> 2310334	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 23, 2023 12:28 pm	<u>Date Received</u> 10/24/2023
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#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.520		mg/L	0.100	1	SM 4500-N	11/01/2023 07:03	11/01/2023 15:56	AD
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well # 3

**York Sample ID:** 23J1552-05

<u>York Project (SDG) No.</u> 23J1552	<u>Client Project ID</u> 2310334	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 23, 2023 1:14 pm	<u>Date Received</u> 10/24/2023
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.94		mg/L	0.0500	1	EPA 300.0	10/25/2023 03:49	10/25/2023 03:49	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	10/25/2023 03:49	10/25/2023 03:49	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	28		mg/L	2.0	1	SM 2320B	10/26/2023 07:06	10/26/2023 13:28	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	10/26/2023 11:04	10/27/2023 14:16	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

#### Biochemical Oxygen Demand (BOD) 5-Day

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # 3

York Sample ID: 23J1552-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23J1552, 2310334, Water, October 23, 2023 1:14 pm, 10/24/2023

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Biochemical Oxygen Demand (BOD) (5-Day), ND, mg/L, 3.0, 3.05, SM 5210 B-2016, 10/25/2023 08:11, 10/30/2023 13:33, PMB

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Total Kjeldahl Nitrogen, 1.12, mg/L, 0.400, 5, SM 4500-N Org D, 10/30/2023 15:38, 11/01/2023 10:12, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 5.06, mg/L, 0.0500, 1, SM 4500-N B, 11/01/2023 07:03, 11/01/2023 15:56, AD

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 1.12, mg/L, 0.100, 1, SM 4500-N, 11/01/2023 07:03, 11/01/2023 15:56, AD

Sample Information

Client Sample ID: Monitoring Well # DG-3

York Sample ID: 23J1552-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23J1552, 2310334, Water, October 23, 2023 11:52 am, 10/24/2023

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, 0.263, mg/L, 0.0500, 1, EPA 300.0, 10/25/2023 02:36, 10/25/2023 02:36, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Empty



### Sample Information

**Client Sample ID:** Monitoring Well # DG-3

**York Sample ID:** 23J1552-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23J1552

2310334

Water

October 23, 2023 11:52 am

10/24/2023

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	10/25/2023 02:36	10/25/2023 02:36	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	220		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/26/2023 07:06	10/26/2023 13:28	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	2.10		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/26/2023 11:04	10/27/2023 14:16	TCD

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	9.5		BOD-D mg/L IFF	3.0	3.05	SM 5210 B-2016 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	10/25/2023 08:11	10/30/2023 13:33	PMB

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.40		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	10/26/2023 11:11	10/27/2023 16:03	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	2.66		mg/L	0.0500	1	SM 4500-N B Certifications:	11/01/2023 07:03	11/01/2023 15:56	AD

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.300		mg/L	0.100	1	SM 4500-N Certifications:	11/01/2023 07:03	11/01/2023 15:56	AD



### Analytical Batch Summary

**Batch ID:** BJ31713      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-01	Monitoring Well # DG 0.5	10/25/23
23J1552-02	Monitoring Well # DG 1.0	10/25/23
23J1552-03	Monitoring Well # DG 1.5	10/25/23
23J1552-04	Monitoring Well # DG 2-1.5	10/25/23
23J1552-05	Monitoring Well # 3	10/25/23
23J1552-06	Monitoring Well # DG-3	10/25/23
BJ31713-BLK1	Blank	10/25/23
BJ31713-DUP1	Duplicate	10/25/23

**Batch ID:** BJ31786      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-01	Monitoring Well # DG 0.5	10/25/23
BJ31786-BLK1	Blank	10/25/23
BJ31786-BS1	LCS	10/25/23
BJ31786-DUP1	Duplicate	10/25/23
BJ31786-MS1	Matrix Spike	10/25/23
BJ31786-MSD1	Matrix Spike Dup	10/25/23

**Batch ID:** BJ31815      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-01	Monitoring Well # DG 0.5	10/25/23
23J1552-02	Monitoring Well # DG 1.0	10/25/23
23J1552-03	Monitoring Well # DG 1.5	10/25/23
23J1552-04	Monitoring Well # DG 2-1.5	10/25/23
23J1552-05	Monitoring Well # 3	10/25/23
23J1552-06	Monitoring Well # DG-3	10/25/23
BJ31815-BLK1	Blank	10/24/23
BJ31815-BS1	LCS	10/24/23
BJ31815-DUP1	Duplicate	10/24/23
BJ31815-DUP2	Duplicate	10/25/23
BJ31815-MS1	Matrix Spike	10/25/23
BJ31815-MS2	Matrix Spike	10/25/23
BJ31815-MSD1	Matrix Spike Dup	10/25/23
BJ31815-MSD2	Matrix Spike Dup	10/25/23

**Batch ID:** BJ31830      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-01	Monitoring Well # DG 0.5	10/26/23
23J1552-02	Monitoring Well # DG 1.0	10/26/23
23J1552-03	Monitoring Well # DG 1.5	10/26/23
23J1552-04	Monitoring Well # DG 2-1.5	10/26/23



23J1552-05	Monitoring Well # 3	10/26/23
23J1552-06	Monitoring Well # DG-3	10/26/23
BJ31830-DUP1	Duplicate	10/26/23
BJ31830-SRM1	Reference	10/26/23

**Batch ID:** BJ31880      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-02	Monitoring Well # DG 1.0	10/26/23
23J1552-03	Monitoring Well # DG 1.5	10/26/23
23J1552-04	Monitoring Well # DG 2-1.5	10/26/23
23J1552-05	Monitoring Well # 3	10/26/23
23J1552-06	Monitoring Well # DG-3	10/26/23
BJ31880-BLK1	Blank	10/26/23
BJ31880-BS1	LCS	10/26/23
BJ31880-DUP1	Duplicate	10/26/23
BJ31880-MS1	Matrix Spike	10/26/23
BJ31880-MSD1	Matrix Spike Dup	10/26/23

**Batch ID:** BJ31881      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-06	Monitoring Well # DG-3	10/26/23
BJ31881-BLK1	Blank	10/26/23
BJ31881-BS1	LCS	10/26/23
BJ31881-DUP1	Duplicate	10/26/23
BJ31881-MS1	Matrix Spike	10/26/23

**Batch ID:** BJ32153      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-01	Monitoring Well # DG 0.5	10/30/23
23J1552-02	Monitoring Well # DG 1.0	10/30/23
23J1552-03	Monitoring Well # DG 1.5	10/30/23
23J1552-04	Monitoring Well # DG 2-1.5	10/30/23
23J1552-05	Monitoring Well # 3	10/30/23
BJ32153-BLK1	Blank	10/30/23
BJ32153-BS1	LCS	10/30/23
BJ32153-DUP1	Duplicate	10/30/23
BJ32153-MS1	Matrix Spike	10/30/23

**Batch ID:** BK30003      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23J1552-01	Monitoring Well # DG 0.5	11/01/23
23J1552-02	Monitoring Well # DG 1.0	11/01/23
23J1552-03	Monitoring Well # DG 1.5	11/01/23
23J1552-04	Monitoring Well # DG 2-1.5	11/01/23
23J1552-05	Monitoring Well # 3	11/01/23



23J1552-06

Monitoring Well # DG-3

11/01/23



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ31815 - EPA 300</b>											
<b>Blank (BJ31815-BLK1)</b>											Prepared & Analyzed: 10/24/2023
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BJ31815-BS1)</b>											Prepared & Analyzed: 10/24/2023
Nitrate as N	9.37	0.0500	mg/L	10.0		93.7	90-110				
Nitrite as N	10.1	0.0500	"	10.0		101	90-110				
<b>Duplicate (BJ31815-DUP1)</b>											*Source sample: 23J1562-01 (Duplicate) Prepared & Analyzed: 10/24/2023
Nitrate as N	6.20	0.0500	mg/L		6.52				5.01	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Duplicate (BJ31815-DUP2)</b>											*Source sample: 23J1562-02 (Duplicate) Prepared & Analyzed: 10/25/2023
Nitrate as N	1.77	0.0500	mg/L		1.78				0.152	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BJ31815-MS1)</b>											*Source sample: 23J1562-01 (Matrix Spike) Prepared & Analyzed: 10/25/2023
Nitrate as N	14.5	0.0500	mg/L	10.0	6.52	79.5	90-110	Low Bias			
Nitrite as N	8.44	0.0500	"	10.0	ND	84.4	90-110	Low Bias			
<b>Matrix Spike (BJ31815-MS2)</b>											*Source sample: 23J1562-02 (Matrix Spike) Prepared & Analyzed: 10/25/2023
Nitrate as N	10.9	0.0500	mg/L	10.0	1.78	91.1	90-110				
Nitrite as N	9.07	0.0500	"	10.0	ND	90.7	90-110				
<b>Matrix Spike Dup (BJ31815-MSD1)</b>											*Source sample: 23J1562-01 (Matrix Spike Dup) Prepared & Analyzed: 10/25/2023
Nitrate as N	16.5	0.0500	mg/L	10.0	6.52	99.9	90-110		13.2	200	
Nitrite as N	9.64	0.0500	"	10.0	ND	96.4	90-110		13.3	200	
<b>Matrix Spike Dup (BJ31815-MSD2)</b>											*Source sample: 23J1562-02 (Matrix Spike Dup) Prepared & Analyzed: 10/25/2023
Nitrate as N	11.0	0.0500	mg/L	10.0	1.78	92.0	90-110		0.794	200	
Nitrite as N	8.76	0.0500	"	10.0	ND	87.6	90-110	Low Bias	3.55	200	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result
<b>Batch BJ31713 - Analysis Preparation</b>											
<b>Blank (BJ31713-BLK1)</b>											Prepared: 10/25/2023 Analyzed: 10/30/2023
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
<b>Duplicate (BJ31713-DUP1)</b> *Source sample: 23J1552-05 (Monitoring Well # 3)											Prepared: 10/25/2023 Analyzed: 10/30/2023
Biochemical Oxygen Demand (BOD) (5-Day)	ND	3.0	mg/L		ND						40
<b>Batch BJ31786 - Analysis Preparation</b>											
<b>Blank (BJ31786-BLK1)</b>											Prepared: 10/25/2023 Analyzed: 10/26/2023
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BJ31786-BS1)</b>											Prepared: 10/25/2023 Analyzed: 10/26/2023
Ammonia Nitrogen as N	1.15	0.0500	mg/L	1.00		115		85-125			
<b>Duplicate (BJ31786-DUP1)</b> *Source sample: 23J1509-01 (Duplicate)											Prepared: 10/25/2023 Analyzed: 10/26/2023
Ammonia Nitrogen as N	ND	0.0500	mg/L		0.0696						15
<b>Matrix Spike (BJ31786-MS1)</b> *Source sample: 23J1509-01 (Matrix Spike)											Prepared: 10/25/2023 Analyzed: 10/26/2023
Ammonia Nitrogen as N	22.5	0.0500	mg/L	10.0	0.0696	224		80-120	High Bias		
<b>Matrix Spike Dup (BJ31786-MSD1)</b> *Source sample: 23J1509-01 (Matrix Spike Dup)											Prepared: 10/25/2023 Analyzed: 10/26/2023
Ammonia Nitrogen as N	24.1	0.0500	mg/L	10.0	0.0696	240		80-120	High Bias	6.87	200
<b>Batch BJ31830 - Analysis Preparation</b>											
<b>Duplicate (BJ31830-DUP1)</b> *Source sample: 23J1644-01 (Duplicate)											Prepared & Analyzed: 10/26/2023
Alkalinity, total	240	2.0	mg/L		240					0.00	15



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ31830 - Analysis Preparation</b>											
<b>Reference (BJ31830-SRM1)</b>											
							Prepared & Analyzed: 10/26/2023				
Alkalinity, total	84		mg/L	77.2		109	90-110				
<b>Batch BJ31880 - Analysis Preparation</b>											
<b>Blank (BJ31880-BLK1)</b>											
							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BJ31880-BS1)</b>											
							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Ammonia Nitrogen as N	1.15	0.0500	mg/L	1.00		115	85-125				
<b>Duplicate (BJ31880-DUP1)</b>											
*Source sample: 23J1552-02 (Monitoring Well # DG 1.0)							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Ammonia Nitrogen as N	1.80	0.0500	mg/L		1.78				1.12	15	
<b>Matrix Spike (BJ31880-MS1)</b>											
*Source sample: 23J1552-02 (Monitoring Well # DG 1.0)							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Ammonia Nitrogen as N	13.0	0.0500	mg/L	10.0	1.78	112	80-120				
<b>Matrix Spike Dup (BJ31880-MSD1)</b>											
*Source sample: 23J1552-02 (Monitoring Well # DG 1.0)							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Ammonia Nitrogen as N	12.8	0.0500	mg/L	10.0	1.78	110	80-120		1.55	200	
<b>Batch BJ31881 - Analysis Prep for SAA</b>											
<b>Blank (BJ31881-BLK1)</b>											
							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BJ31881-BS1)</b>											
							Prepared: 10/26/2023 Analyzed: 10/27/2023				
Total Kjeldahl Nitrogen	4.84		mg/L	5.00		96.8	70-130				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	
		Limit								RPD	Limit
<b>Batch BJ31881 - Analysis Prep for SAA</b>											
<b>Duplicate (BJ31881-DUP1)</b>		*Source sample: 23J1535-02 (Duplicate)					Prepared: 10/26/2023 Analyzed: 10/27/2023				
Total Kjeldahl Nitrogen	0.429	0.400	mg/L		0.520				19.2	20	
<b>Matrix Spike (BJ31881-MS1)</b>		*Source sample: 23J1535-02 (Matrix Spike)					Prepared: 10/26/2023 Analyzed: 10/27/2023				
Total Kjeldahl Nitrogen	5.05	0.400	mg/L	5.00	0.520	90.6	70-130				
<b>Batch BJ32153 - Analysis Prep for SAA</b>											
<b>Blank (BJ32153-BLK1)</b>							Prepared: 10/30/2023 Analyzed: 11/01/2023				
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BJ32153-BS1)</b>							Prepared: 10/30/2023 Analyzed: 11/01/2023				
Total Kjeldahl Nitrogen	5.55		mg/L	5.00		111	70-130				
<b>Duplicate (BJ32153-DUP1)</b>		*Source sample: 23J1549-02 (Duplicate)					Prepared: 10/30/2023 Analyzed: 11/01/2023				
Total Kjeldahl Nitrogen	1.48	0.400	mg/L		1.25				16.9	20	
<b>Matrix Spike (BJ32153-MS1)</b>		*Source sample: 23J1549-02 (Matrix Spike)					Prepared: 10/30/2023 Analyzed: 11/01/2023				
Total Kjeldahl Nitrogen	7.05	0.400	mg/L	5.00	1.25	116	70-130				





### Sample and Data Qualifiers Relating to This Work Order

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BOD-DIFF The sample exhibited computed BOD results >30% difference between different dilutions which may indicate the presence of a toxic substance or analysis issues. The data user should take note.

#### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

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Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 203.325.1371 FAX 203.357-0166

# Field Chain-of-Custody Record

23T1552

<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	<b>Report to:</b> SAME	<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE	<b>Project ID/No.</b> 2310334
<b>Location/ID</b>		<b>Monitoring Well Samples</b>	
<b>Canoe Place Inn</b>		<b>CLIENT</b>	
Name (printed)		Samples Collected by (signature)	
Container Desc.		Name (printed)	

Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Analyses Requested	Container Desc.
				Water	Soil	Air/Other		
001	Monitoring Well # DG 0.5	10/23/23	12:45 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-500 mL H2SO4
002	Monitoring Well # DG 1.0	10/23/23	12:58 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-500 mL H2SO4
003	Monitoring Well # DG 1.5	10/23/23	1:33 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-500 mL H2SO4
004	Monitoring Well # DG 2-1.5	10/23/23	12:28 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-500 mL H2SO4
005	Monitoring Well # 3	10/23/23	1:14 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-500 mL H2SO4
006	Monitoring Well # DG-3	10/23/23	11:52 AM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-500 mL H2SO4
007								
008								
009								
010								

**Chain-of-Custody Record**

Bottles Relinquished from Lab by \_\_\_\_\_ Date/Time \_\_\_\_\_

Bottles received in field by \_\_\_\_\_ Date/Time \_\_\_\_\_

Samples Relinquished by KBudhok 10/24/23 2:40 Date/Time \_\_\_\_\_

Samples received by KBudhok 10/24/23 2:40 Date/Time \_\_\_\_\_

Samples Relinquished by KBudhok 10/24/23 2:40 Date/Time \_\_\_\_\_

Samples received in LAB by KBudhok 10/24/23 2:40 Date/Time \_\_\_\_\_

**Comments/Special Instructions USE LOCATION ID AS SAMPLE ID**

**Please prepare a QA Summary Report**

Total # of Bottles for this PROJECT (COC This Page) : **18** Bottles

Turn-Around Time Requested: Specify Date \_\_\_\_\_

Expected if RUSH Requested: DATE DUE FOR RUSH: \_\_\_\_\_

STANDARD  RUSH(Define) \_\_\_\_\_



# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**

1170 Lincoln Avenue., Suite 4

Holbrook NY, 11741

**Attention: Brian Leshinger**

Report Date: 12/27/2023

**Client Project ID: 2312251**

York Project (SDG) No.: 23L1453

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 12/27/2023  
Client Project ID: 2312251  
York Project (SDG) No.: 23L1453

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 20, 2023 and listed below. The project was identified as your project: **2312251**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23L1453-01	Monitoring Well # DG 1.5 DP-A	Water	12/19/2023	12/20/2023
23L1453-02	Monitoring Well # DG 1.5 DP-B	Water	12/19/2023	12/20/2023
23L1453-03	Monitoring Well # DG 1.5 DP-C	Water	12/19/2023	12/20/2023
23L1453-04	Monitoring Well # DG 2.0 DP-C	Water	12/19/2023	12/20/2023
23L1453-05	Monitoring Well # DG 2.0 DP-D	Water	12/19/2023	12/20/2023
23L1453-06	Monitoring Well # DG 2.0 DP-E	Water	12/19/2023	12/20/2023
23L1453-07	Monitoring Well # DG 3.0 DP-B	Water	12/19/2023	12/20/2023
23L1453-08	Monitoring Well # DG 3.0 DP-D	Water	12/19/2023	12/20/2023
23L1453-09	Monitoring Well # DG 3.0 DP-E	Water	12/19/2023	12/20/2023
23L1453-10	Monitoring Well # DG-0.5	Water	12/19/2023	12/20/2023
23L1453-11	Monitoring Well # DG-1.0	Water	12/19/2023	12/20/2023
23L1453-12	Monitoring Well # DG-1.5	Water	12/19/2023	12/20/2023
23L1453-13	Monitoring Well # DG-2	Water	12/19/2023	12/20/2023
23L1453-14	Monitoring Well # DG-3	Water	12/19/2023	12/20/2023
23L1453-15	Monitoring Well # #3	Water	12/19/2023	12/20/2023
23L1453-16	Monitoring Well # DF-1	Water	12/19/2023	12/20/2023
23L1453-17	Monitoring Well # DF-2	Water	12/19/2023	12/20/2023
23L1453-18	Monitoring Well # WW Pump Station	Water	12/19/2023	12/20/2023

## **General Notes for York Project (SDG) No.: 23L1453**

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

**Approved By:** 

**Date:** 12/27/2023

Cassie L. Mosher  
Laboratory Manager





## Sample Information

**Client Sample ID:** Monitoring Well # DG 1.5 DP-A

**York Sample ID:** 23L1453-01

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:22 am	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	86.7		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 02:57	12/23/2023 02:57	NJO
									Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	5.79		mg/L	0.0500	1	EPA 300.0	12/21/2023 01:43	12/21/2023 01:43	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 01:43	12/21/2023 01:43	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	300		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	1.79		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	3.17		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:46	12/26/2023 18:01	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

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



**Sample Information**

**Client Sample ID:** Monitoring Well # DG 1.5 DP-A

**York Sample ID:** 23L1453-01

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:22 am	<u>Date Received</u> 12/20/2023
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**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		8.96		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.38		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

**Sample Information**

**Client Sample ID:** Monitoring Well # DG 1.5 DP-B

**York Sample ID:** 23L1453-02

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:32 am	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	99.6		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 03:07	12/23/2023 03:07	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.85		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:03	12/21/2023 02:03	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:03	12/21/2023 02:03	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well # DG 1.5 DP-B

York Sample ID: 23L1453-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 10:32 am

12/20/2023

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	240		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.561		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.56		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:46	12/26/2023 18:01	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	9.41		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.00		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

### Sample Information

Client Sample ID: Monitoring Well # DG 1.5 DP-C

York Sample ID: 23L1453-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 10:48 am

12/20/2023

#### Chloride

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

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

**Client Sample ID:** Monitoring Well # DG 1.5 DP-C

**York Sample ID:** 23L1453-03

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:48 am	<u>Date Received</u> 12/20/2023
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**Chloride**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	88.8		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 03:17	12/23/2023 03:17	NJO
									Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	7.00		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:46	12/21/2023 02:46	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:46	12/21/2023 02:46	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-0444		

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	88		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	2.24		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:46	12/26/2023 18:01	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	9.24		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD	
									Certifications:		



### Sample Information

**Client Sample ID:** Monitoring Well # DG 1.5 DP-C

**York Sample ID:** 23L1453-03

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:48 am	<u>Date Received</u> 12/20/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		2.24		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well # DG 2.0 DP-C

**York Sample ID:** 23L1453-04

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:00 am	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	67.0		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 03:27	12/23/2023 03:27	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	1.67		mg/L	0.0500	1	EPA 300.0	12/21/2023 03:17	12/21/2023 03:17	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 03:17	12/21/2023 03:17	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	500		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DG 2.0 DP-C

York Sample ID: 23L1453-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23L1453, 2312251, Water, December 19, 2023 11:00 am, 12/20/2023

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 1.92, mg/L, 0.0500, 1, SM 4500-NH3 D, 12/23/2023 12:58, 12/26/2023 09:37, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 2.32, mg/L, 0.400, 5, SM 4500-N Org D, 12/26/2023 07:46, 12/26/2023 18:01, NJO. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 3.99, mg/L, 0.0500, 1, SM 4500-N B, 12/26/2023 08:54, 12/26/2023 17:14, AD. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 0.400, mg/L, 0.100, 1, SM 4500-N, 12/26/2023 08:54, 12/26/2023 17:14, AD. Certifications:

Sample Information

Client Sample ID: Monitoring Well # DG 2.0 DP-D

York Sample ID: 23L1453-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23L1453, 2312251, Water, December 19, 2023 11:21 am, 12/20/2023

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 78.2, mg/L, 0.690, 5.00, 10, EPA 300.0, 12/23/2023 03:38, 12/23/2023 03:38, NJO. Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # DG 2.0 DP-D

**York Sample ID:** 23L1453-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 11:21 am

12/20/2023

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	8.72		mg/L	0.0500	1	EPA 300.0	12/21/2023 04:18	12/21/2023 04:18	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	0.0520		mg/L	0.0500	1	EPA 300.0	12/21/2023 04:18	12/21/2023 04:18	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	460		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	3.50		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	5.35		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:46	12/26/2023 18:01	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	14.1		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.85		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # DG 2.0 DP-E

**York Sample ID:** 23L1453-06

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:37 am	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	93.8		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 03:48	12/23/2023 03:48	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	4.85		mg/L	0.0500	1	EPA 300.0	12/21/2023 05:37	12/21/2023 05:37	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 05:37	12/21/2023 05:37	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	160		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044											

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	1.60		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:46	12/26/2023 18:01	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	6.45		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD	
Certifications:											



**Sample Information**

**Client Sample ID:** Monitoring Well # DG 2.0 DP-E

**York Sample ID:** 23L1453-06

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:37 am	<u>Date Received</u> 12/20/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.60		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

**Sample Information**

**Client Sample ID:** Monitoring Well # DG 3.0 DP-B

**York Sample ID:** 23L1453-07

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 12:40 pm	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	162		mg/L	6.90	50.0	100	EPA 300.0	12/22/2023 23:14	12/22/2023 23:14	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	1.23		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:29	12/21/2023 06:29	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	0.448		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:29	12/21/2023 06:29	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	290		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DG 3.0 DP-B

York Sample ID: 23L1453-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 12:40 pm

12/20/2023

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 4.06, mg/L, 0.0500, 1, SM 4500-NH3 D, 12/23/2023 12:58, 12/26/2023 09:37, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 4.56, mg/L, 0.400, 5, SM 4500-N Org D, 12/26/2023 07:44, 12/27/2023 10:02, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 6.24, mg/L, 0.0500, 1, SM 4500-N B, 12/26/2023 08:54, 12/26/2023 17:14, AD. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 0.500, mg/L, 0.100, 1, SM 4500-N, 12/26/2023 08:54, 12/26/2023 17:14, AD. Certifications:

Sample Information

Client Sample ID: Monitoring Well # DG 3.0 DP-D

York Sample ID: 23L1453-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 12:55 pm

12/20/2023

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 113, mg/L, 0.690, 5.00, 10, EPA 300.0, 12/23/2023 03:58, 12/23/2023 03:58, NJO. Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # DG 3.0 DP-D

**York Sample ID:** 23L1453-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 12:55 pm

12/20/2023

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.91		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:39	12/21/2023 06:39	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:39	12/21/2023 06:39	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	120		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.229		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.12		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	5.03		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
							Certifications:			

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.890		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
							Certifications:			



### Sample Information

**Client Sample ID:** Monitoring Well # DG 3.0 DP-E

**York Sample ID:** 23L1453-09

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 1:10 pm	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	136		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 04:08	12/23/2023 04:08	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:49	12/21/2023 06:49	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044											

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	0.211		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:49	12/21/2023 06:49	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	540		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	25.9		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	26.0		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	26.2		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD	
Certifications:											



### Sample Information

**Client Sample ID:** Monitoring Well # DG 3.0 DP-E

**York Sample ID:** 23L1453-09

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 1:10 pm	<u>Date Received</u> 12/20/2023
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#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.100		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well # DG-0.5

**York Sample ID:** 23L1453-10

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:50 am	<u>Date Received</u> 12/20/2023
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#### Chloride

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	261		mg/L	6.90	50.0	100	EPA 300.0	12/22/2023 23:24	12/22/2023 23:24	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	5.52		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:56	12/21/2023 02:56	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:56	12/21/2023 02:56	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	24		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DG-0.5

York Sample ID: 23L1453-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23L1453, 2312251, Water, December 19, 2023 10:50 am, 12/20/2023

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, ND, mg/L, 0.0500, 1, SM 4500-NH3 D, 12/23/2023 12:58, 12/26/2023 09:37, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 1.65, mg/L, 0.400, 5, SM 4500-N Org D, 12/26/2023 07:44, 12/27/2023 10:02, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 7.17, mg/L, 0.0500, 1, SM 4500-N B, 12/26/2023 08:54, 12/26/2023 17:14, AD

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.65, mg/L, 0.100, 1, SM 4500-N, 12/26/2023 08:54, 12/26/2023 17:14, AD

Sample Information

Client Sample ID: Monitoring Well # DG-1.0

York Sample ID: 23L1453-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23L1453, 2312251, Water, December 19, 2023 10:59 am, 12/20/2023

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 109, mg/L, 0.690, 5.00, 10, EPA 300.0, 12/23/2023 04:19, 12/23/2023 04:19, NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # DG-1.0

**York Sample ID:** 23L1453-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 10:59 am

12/20/2023

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.08		mg/L	0.0500	1	EPA 300.0	12/21/2023 03:06	12/21/2023 03:06	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 03:06	12/21/2023 03:06	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	160		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.88		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	4.96		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
							Certifications:			

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.88		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
							Certifications:			



### Sample Information

**Client Sample ID:** Monitoring Well # DG-1.5

**York Sample ID:** 23L1453-12

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:15 am	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	114		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 04:51	12/23/2023 04:51	NJO
									Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 03:37	12/21/2023 03:37	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 03:37	12/21/2023 03:37	NJO	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	510		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	13.7		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	17.4		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD	
									Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	17.4		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD	
									Certifications:		



### Sample Information

**Client Sample ID:** Monitoring Well # DG-1.5

**York Sample ID:** 23L1453-12

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:15 am	<u>Date Received</u> 12/20/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		3.70		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well # DG-2

**York Sample ID:** 23L1453-13

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 12:20 pm	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	18.0		mg/L	0.0690	0.500	1	EPA 300.0	12/21/2023 06:19	12/21/2023 06:19	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.180		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:19	12/21/2023 06:19	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 06:19	12/21/2023 06:19	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	100		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # DG-2

**York Sample ID:** 23L1453-13

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 12:20 pm	<u>Date Received</u> 12/20/2023
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**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.904		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.84		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	2.02		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

**Total Organic Nitrogen(TON)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.940		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well # DG-3

**York Sample ID:** 23L1453-14

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:29 am	<u>Date Received</u> 12/20/2023
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**Chloride**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	78.4		mg/L	0.690	5.00	10	EPA 300.0	12/23/2023 05:01	12/23/2023 05:01	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # DG-3

**York Sample ID:** 23L1453-14

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 11:29 am	<u>Date Received</u> 12/20/2023
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	8.07		mg/L	0.0500	1	EPA 300.0	12/21/2023 04:58	12/21/2023 04:58	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 04:58	12/21/2023 04:58	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	260		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.03		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	4.60		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	12.7		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	3.57		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										



## Sample Information

**Client Sample ID:** Monitoring Well # #3

**York Sample ID:** 23L1453-15

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 1:40 pm	<u>Date Received</u> 12/20/2023
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**Chloride**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	41.0		mg/L	0.345	2.50	5	EPA 300.0	12/23/2023 03:23	12/23/2023 03:23	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	3.67		mg/L	0.0500	1	EPA 300.0	12/21/2023 07:00	12/21/2023 07:00	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 07:00	12/21/2023 07:00	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	28		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044											

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	0.560		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	4.23		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD	
Certifications:											



### Sample Information

**Client Sample ID:** Monitoring Well # #3

**York Sample ID:** 23L1453-15

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 1:40 pm	<u>Date Received</u> 12/20/2023
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.560		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well # DF-1

**York Sample ID:** 23L1453-16

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 10:35 am	<u>Date Received</u> 12/20/2023
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**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	60.2		mg/L	0.690 5.00	10	EPA 300.0	12/23/2023 05:11	12/23/2023 05:11	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.102		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:35	12/21/2023 02:35	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 02:35	12/21/2023 02:35	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	540		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DF-1

York Sample ID: 23L1453-16

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23L1453, 2312251, Water, December 19, 2023 10:35 am, 12/20/2023

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 13.0, mg/L, 0.0500, 1, SM 4500-NH3 D, 12/23/2023 12:58, 12/26/2023 09:37, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 14.9, mg/L, 0.400, 5, SM 4500-N Org D, 12/26/2023 07:44, 12/27/2023 10:02, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 15.0, mg/L, 0.0500, 1, SM 4500-N B, 12/26/2023 08:54, 12/26/2023 17:14, AD

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.90, mg/L, 0.100, 1, SM 4500-N, 12/26/2023 08:54, 12/26/2023 17:14, AD

Sample Information

Client Sample ID: Monitoring Well # DF-2

York Sample ID: 23L1453-17

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 23L1453, 2312251, Water, December 19, 2023 10:25 am, 12/20/2023

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 109, mg/L, 0.690, 5.00, 10, EPA 300.0, 12/23/2023 05:22, 12/23/2023 05:22, NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # DF-2

**York Sample ID:** 23L1453-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23L1453

2312251

Water

December 19, 2023 10:25 am

12/20/2023

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.99	HT-01R	mg/L	0.500	10	EPA 300.0	12/23/2023 05:22	12/23/2023 05:22	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	0.804	HT-01R	mg/L	0.500	10	EPA 300.0	12/23/2023 05:22	12/23/2023 05:22	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	590		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	22.4		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	25.2		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	30.0		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.80		mg/L	0.100	1	SM 4500-N	12/26/2023 08:54	12/26/2023 17:14	AD
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # WW Pump Station

**York Sample ID:** 23L1453-18

<u>York Project (SDG) No.</u> 23L1453	<u>Client Project ID</u> 2312251	<u>Matrix</u> Water	<u>Collection Date/Time</u> December 19, 2023 8:55 am	<u>Date Received</u> 12/20/2023
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**Chloride**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	77.8		mg/L	0.690	5.00	10	EPA 300.0	12/26/2023 11:05	12/26/2023 11:05	NJO
Certifications:									CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 00:41	12/21/2023 00:41	NJO	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-C T005,PADEP-68-044		

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	12/21/2023 00:41	12/21/2023 00:41	NJO	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	580		mg/L	2.0	1	SM 2320B	12/26/2023 07:30	12/26/2023 15:21	VR	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	39.5		mg/L	0.0500	1	SM 4500-NH3 D	12/23/2023 12:58	12/26/2023 09:37	TCD	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	41.6		mg/L	0.400	5	SM 4500-N Org D	12/26/2023 07:44	12/27/2023 10:02	TCD	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	41.6		mg/L	0.0500	1	SM 4500-N B	12/26/2023 08:54	12/26/2023 17:14	AD	
Certifications:											



**Sample Information**

**Client Sample ID:** Monitoring Well # WW Pump Station

**York Sample ID:** 23L1453-18

York Project (SDG) No.  
23L1453

Client Project ID  
2312251

Matrix  
Water

Collection Date/Time  
December 19, 2023 8:55 am

Date Received  
12/20/2023

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.10		mg/L	0.100	1	SM 4500-N Certifications:	12/26/2023 08:54	12/26/2023 17:14	AD



### Analytical Batch Summary

**Batch ID:** BL31551      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-01	Monitoring Well # DG 1.5 DP-1	12/21/23
23L1453-02	Monitoring Well # DG 1.5 DP-1	12/21/23
23L1453-03	Monitoring Well # DG 1.5 DP-1	12/21/23
23L1453-04	Monitoring Well # DG 2.0 DP-1	12/21/23
23L1453-10	Monitoring Well # DG-0.5	12/21/23
23L1453-11	Monitoring Well # DG-1.0	12/21/23
23L1453-12	Monitoring Well # DG-1.5	12/21/23
23L1453-16	Monitoring Well # DF-1	12/21/23
23L1453-18	Monitoring Well # WW Pump 5	12/21/23
BL31551-BLK1	Blank	12/20/23
BL31551-BS1	LCS	12/20/23
BL31551-DUP1	Duplicate	12/20/23
BL31551-DUP2	Duplicate	12/20/23
BL31551-MS1	Matrix Spike	12/20/23
BL31551-MS2	Matrix Spike	12/20/23
BL31551-MSD1	Matrix Spike Dup	12/20/23
BL31551-MSD2	Matrix Spike Dup	12/20/23

**Batch ID:** BL31555      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-05	Monitoring Well # DG 2.0 DP-1	12/21/23
23L1453-06	Monitoring Well # DG 2.0 DP-1	12/21/23
23L1453-07	Monitoring Well # DG 3.0 DP-1	12/21/23
23L1453-08	Monitoring Well # DG 3.0 DP-1	12/21/23
23L1453-09	Monitoring Well # DG 3.0 DP-1	12/21/23
23L1453-13	Monitoring Well # DG-2	12/21/23
23L1453-14	Monitoring Well # DG-3	12/21/23
23L1453-15	Monitoring Well # #3	12/21/23
BL31555-BLK1	Blank	12/21/23
BL31555-BS1	LCS	12/21/23
BL31555-DUP1	Duplicate	12/21/23
BL31555-DUP2	Duplicate	12/21/23
BL31555-MS1	Matrix Spike	12/21/23
BL31555-MS2	Matrix Spike	12/21/23
BL31555-MSD1	Matrix Spike Dup	12/21/23
BL31555-MSD2	Matrix Spike Dup	12/21/23

**Batch ID:** BL31685      **Preparation Method:** Analysis Preparation      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-01	Monitoring Well # DG 1.5 DP-1	12/23/23
23L1453-02	Monitoring Well # DG 1.5 DP-1	12/23/23
23L1453-03	Monitoring Well # DG 1.5 DP-1	12/23/23
23L1453-04	Monitoring Well # DG 2.0 DP-1	12/23/23



23L1453-05	Monitoring Well # DG 2.0 DP-I	12/23/23
23L1453-06	Monitoring Well # DG 2.0 DP-I	12/23/23
23L1453-07	Monitoring Well # DG 3.0 DP-I	12/23/23
23L1453-08	Monitoring Well # DG 3.0 DP-I	12/23/23
23L1453-09	Monitoring Well # DG 3.0 DP-I	12/23/23
23L1453-10	Monitoring Well # DG-0.5	12/23/23
23L1453-11	Monitoring Well # DG-1.0	12/23/23
23L1453-12	Monitoring Well # DG-1.5	12/23/23
23L1453-13	Monitoring Well # DG-2	12/23/23
23L1453-14	Monitoring Well # DG-3	12/23/23
23L1453-15	Monitoring Well # #3	12/23/23
23L1453-16	Monitoring Well # DF-1	12/23/23
23L1453-17	Monitoring Well # DF-2	12/23/23
23L1453-18	Monitoring Well # WW Pump S	12/23/23
BL31685-BLK1	Blank	12/23/23
BL31685-BS1	LCS	12/23/23
BL31685-DUP1	Duplicate	12/23/23
BL31685-MS1	Matrix Spike	12/23/23
BL31685-MSD1	Matrix Spike Dup	12/23/23

**Batch ID:** BL31713      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-01	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-02	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-03	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-04	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-05	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-06	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-07	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-08	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-09	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-10	Monitoring Well # DG-0.5	12/26/23
23L1453-11	Monitoring Well # DG-1.0	12/26/23
23L1453-12	Monitoring Well # DG-1.5	12/26/23
23L1453-13	Monitoring Well # DG-2	12/26/23
23L1453-14	Monitoring Well # DG-3	12/26/23
23L1453-15	Monitoring Well # #3	12/26/23
23L1453-16	Monitoring Well # DF-1	12/26/23
23L1453-17	Monitoring Well # DF-2	12/26/23
23L1453-18	Monitoring Well # WW Pump S	12/26/23
BL31713-DUP1	Duplicate	12/26/23
BL31713-SRM1	Reference	12/26/23

**Batch ID:** BL31718      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-07	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-08	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-09	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-10	Monitoring Well # DG-0.5	12/26/23



23L1453-11	Monitoring Well # DG-1.0	12/26/23
23L1453-12	Monitoring Well # DG-1.5	12/26/23
23L1453-13	Monitoring Well # DG-2	12/26/23
23L1453-14	Monitoring Well # DG-3	12/26/23
23L1453-15	Monitoring Well # #3	12/26/23
23L1453-16	Monitoring Well # DF-1	12/26/23
23L1453-17	Monitoring Well # DF-2	12/26/23
23L1453-18	Monitoring Well # WW Pump S	12/26/23
BL31718-BLK1	Blank	12/26/23
BL31718-BS1	LCS	12/26/23
BL31718-DUP1	Duplicate	12/26/23
BL31718-MS1	Matrix Spike	12/26/23

**Batch ID:** BL31719      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-01	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-02	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-03	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-04	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-05	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-06	Monitoring Well # DG 2.0 DP-I	12/26/23
BL31719-BLK1	Blank	12/26/23
BL31719-BS1	LCS	12/26/23
BL31719-DUP1	Duplicate	12/26/23
BL31719-MS1	Matrix Spike	12/26/23

**Batch ID:** BL31748      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-01	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-02	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-03	Monitoring Well # DG 1.5 DP-I	12/26/23
23L1453-04	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-05	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-06	Monitoring Well # DG 2.0 DP-I	12/26/23
23L1453-07	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-08	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-09	Monitoring Well # DG 3.0 DP-I	12/26/23
23L1453-10	Monitoring Well # DG-0.5	12/26/23
23L1453-11	Monitoring Well # DG-1.0	12/26/23
23L1453-12	Monitoring Well # DG-1.5	12/26/23
23L1453-13	Monitoring Well # DG-2	12/26/23
23L1453-14	Monitoring Well # DG-3	12/26/23
23L1453-15	Monitoring Well # #3	12/26/23
23L1453-16	Monitoring Well # DF-1	12/26/23
23L1453-17	Monitoring Well # DF-2	12/26/23
23L1453-18	Monitoring Well # WW Pump S	12/26/23

**Batch ID:** BL31783      **Preparation Method:** EPA 300      **Prepared By:** NJO



YORK Sample ID	Client Sample ID	Preparation Date
23L1453-07	Monitoring Well # DG 3.0 DP-I	12/22/23
23L1453-10	Monitoring Well # DG-0.5	12/22/23
BL31783-BLK1	Blank	12/22/23
BL31783-BS1	LCS	12/23/23
BL31783-DUP1	Duplicate	12/22/23
BL31783-DUP2	Duplicate	12/22/23
BL31783-MS1	Matrix Spike	12/22/23
BL31783-MS2	Matrix Spike	12/22/23
BL31783-MSD1	Matrix Spike Dup	12/22/23
BL31783-MSD2	Matrix Spike Dup	12/22/23

**Batch ID:** BL31784      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-01	Monitoring Well # DG 1.5 DP-I	12/23/23
23L1453-02	Monitoring Well # DG 1.5 DP-I	12/23/23
23L1453-03	Monitoring Well # DG 1.5 DP-I	12/23/23
23L1453-04	Monitoring Well # DG 2.0 DP-I	12/23/23
23L1453-05	Monitoring Well # DG 2.0 DP-I	12/23/23
23L1453-06	Monitoring Well # DG 2.0 DP-I	12/23/23
23L1453-08	Monitoring Well # DG 3.0 DP-I	12/23/23
23L1453-09	Monitoring Well # DG 3.0 DP-I	12/23/23
23L1453-11	Monitoring Well # DG-1.0	12/23/23
23L1453-12	Monitoring Well # DG-1.5	12/23/23
23L1453-14	Monitoring Well # DG-3	12/23/23
23L1453-16	Monitoring Well # DF-1	12/23/23
23L1453-17	Monitoring Well # DF-2	12/23/23
BL31784-BLK1	Blank	12/23/23
BL31784-BS1	LCS	12/23/23
BL31784-DUP1	Duplicate	12/23/23
BL31784-DUP2	Duplicate	12/23/23
BL31784-MS1	Matrix Spike	12/23/23
BL31784-MS2	Matrix Spike	12/23/23
BL31784-MSD1	Matrix Spike Dup	12/23/23
BL31784-MSD2	Matrix Spike Dup	12/23/23

**Batch ID:** BL31786      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-15	Monitoring Well # #3	12/23/23
BL31786-BLK1	Blank	12/23/23
BL31786-BS1	LCS	12/23/23
BL31786-DUP1	Duplicate	12/23/23
BL31786-DUP2	Duplicate	12/23/23
BL31786-MS1	Matrix Spike	12/23/23
BL31786-MS2	Matrix Spike	12/23/23
BL31786-MSD1	Matrix Spike Dup	12/23/23
BL31786-MSD2	Matrix Spike Dup	12/23/23



**Batch ID:** BL31792

**Preparation Method:** EPA 300

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23L1453-18	Monitoring Well # WW Pump 5	12/26/23
BL31792-BLK1	Blank	12/26/23
BL31792-BS1	LCS	12/26/23
BL31792-BS2	LCS	12/26/23
BL31792-DUP1	Duplicate	12/26/23



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL31551 - EPA 300</b>											
<b>Blank (BL31551-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BL31551-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	9.63	0.0500	mg/L	10.0		96.3	90-110				
Nitrite as N	9.67	0.0500	"	10.0		96.7	90-110				
<b>Duplicate (BL31551-DUP1)</b> *Source sample: 23L1456-01 (Duplicate) <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	0.0275	0.0500	mg/L		ND					15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Duplicate (BL31551-DUP2)</b> *Source sample: 23L1456-02 (Duplicate) <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	0.860	0.0500	mg/L		0.843				1.96	15	
Nitrite as N	0.766	0.0500	"		0.740				3.46	15	
<b>Matrix Spike (BL31551-MS1)</b> *Source sample: 23L1456-01 (Matrix Spike) <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	9.04	0.0500	mg/L	10.0	ND	90.4	90-110				
Nitrite as N	9.98	0.0500	"	10.0	ND	99.8	90-110				
<b>Matrix Spike (BL31551-MS2)</b> *Source sample: 23L1456-02 (Matrix Spike) <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	9.64	0.0500	mg/L	10.0	0.843	87.9	90-110	Low Bias			
Nitrite as N	10.4	0.0500	"	10.0	0.740	97.1	90-110				
<b>Matrix Spike Dup (BL31551-MSD1)</b> *Source sample: 23L1456-01 (Matrix Spike Dup) <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	9.10	0.0500	mg/L	10.0	ND	91.0	90-110		0.633	200	
Nitrite as N	11.2	0.0500	"	10.0	ND	112	90-110	High Bias	11.2	200	
<b>Matrix Spike Dup (BL31551-MSD2)</b> *Source sample: 23L1456-02 (Matrix Spike Dup) <span style="float:right">Prepared &amp; Analyzed: 12/20/2023</span>											
Nitrate as N	9.65	0.0500	mg/L	10.0	0.843	88.0	90-110	Low Bias	0.118	200	
Nitrite as N	9.71	0.0500	"	10.0	0.740	89.7	90-110	Low Bias	7.33	200	



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL31555 - EPA 300</b>											
<b>Blank (BL31555-BLK1)</b>											Prepared & Analyzed: 12/21/2023
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
<b>LCS (BL31555-BS1)</b>											Prepared & Analyzed: 12/21/2023
Chloride	9.18	0.500	mg/L	10.0		91.8	90-110				
Nitrate as N	9.07	0.0500	"	10.0		90.7	90-110				
Nitrite as N	9.31	0.0500	"	10.0		93.1	90-110				
<b>Duplicate (BL31555-DUP1)</b>											*Source sample: 23L1453-05 (Monitoring Well # DG 2.0 DP-D) Prepared & Analyzed: 12/21/2023
Chloride	55.2	0.500	mg/L		78.2				34.4	15	Non-dir.
Nitrate as N	8.65	0.0500	"		8.72				0.833	15	
Nitrite as N	0.0543	0.0500	"		0.0520				4.33	15	
<b>Duplicate (BL31555-DUP2)</b>											*Source sample: 23L1453-14 (Monitoring Well # DG-3) Prepared & Analyzed: 12/21/2023
Chloride	55.2	0.500	mg/L		78.4				34.8	15	Non-dir.
Nitrate as N	8.00	0.0500	"		8.07				0.917	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BL31555-MS1)</b>											*Source sample: 23L1453-05 (Monitoring Well # DG 2.0 DP-D) Prepared & Analyzed: 12/21/2023
Chloride	55.2	0.500	mg/L	10.0	78.2	NR	85-115	Low Bias			
Nitrate as N	17.3	0.0500	"	10.0	8.72	85.8	90-110	Low Bias			
Nitrite as N	8.82	0.0500	"	10.0	0.0520	87.7	90-110	Low Bias			
<b>Matrix Spike (BL31555-MS2)</b>											*Source sample: 23L1453-14 (Monitoring Well # DG-3) Prepared & Analyzed: 12/21/2023
Chloride	55.3	0.500	mg/L	10.0	78.4	NR	85-115	Low Bias			
Nitrate as N	16.9	0.0500	"	10.0	8.07	88.0	90-110	Low Bias			
Nitrite as N	8.02	0.0500	"	10.0	ND	80.2	90-110	Low Bias			



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL31555 - EPA 300</b>											
<b>Matrix Spike Dup (BL31555-MSD1)</b>		*Source sample: 23L1453-05 (Monitoring Well # DG 2.0 DP-D)					Prepared & Analyzed: 12/21/2023				
Chloride	55.3	0.500	mg/L	10.0	78.2	NR	85-115	Low Bias	0.0860	20	
Nitrate as N	17.2	0.0500	"	10.0	8.72	84.6	90-110	Low Bias	0.676	200	
Nitrite as N	8.38	0.0500	"	10.0	0.0520	83.3	90-110	Low Bias	5.14	200	
<b>Matrix Spike Dup (BL31555-MSD2)</b>		*Source sample: 23L1453-14 (Monitoring Well # DG-3)					Prepared & Analyzed: 12/21/2023				
Chloride	55.3	0.500	mg/L	10.0	78.4	NR	85-115	Low Bias	0.00217	20	
Nitrate as N	16.9	0.0500	"	10.0	8.07	88.2	90-110	Low Bias	0.0663	200	
Nitrite as N	8.43	0.0500	"	10.0	ND	84.3	90-110	Low Bias	4.98	200	
<b>Batch BL31783 - EPA 300</b>											
<b>Blank (BL31783-BLK1)</b>							Prepared & Analyzed: 12/22/2023				
Chloride	ND	0.500	mg/L								
<b>LCS (BL31783-BS1)</b>							Prepared & Analyzed: 12/23/2023				
Chloride	10.1	0.500	mg/L	10.0		101	90-110				
<b>Duplicate (BL31783-DUP1)</b>		*Source sample: 23L1586-01 (Duplicate)					Prepared & Analyzed: 12/22/2023				
Chloride	55.2	0.500	mg/L		55.2				0.00597	15	
<b>Duplicate (BL31783-DUP2)</b>		*Source sample: 23L1586-02 (Duplicate)					Prepared & Analyzed: 12/22/2023				
Chloride	54.3	0.500	mg/L		54.2				0.227	15	
<b>Matrix Spike (BL31783-MS1)</b>		*Source sample: 23L1586-01 (Matrix Spike)					Prepared & Analyzed: 12/22/2023				
Chloride	55.1	0.500	mg/L	10.0	55.2	NR	85-115	Low Bias			
<b>Matrix Spike (BL31783-MS2)</b>		*Source sample: 23L1586-02 (Matrix Spike)					Prepared & Analyzed: 12/22/2023				
Chloride	55.1	0.500	mg/L	10.0	54.2	9.56	85-115	Low Bias			



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL31783 - EPA 300</b>											
<b>Matrix Spike Dup (BL31783-MSD1)</b>		*Source sample: 23L1586-01 (Matrix Spike Dup)					Prepared & Analyzed: 12/22/2023				
Chloride	55.1	0.500	mg/L	10.0	55.2	NR	85-115	Low Bias	0.0483	20	
<b>Matrix Spike Dup (BL31783-MSD2)</b>		*Source sample: 23L1586-02 (Matrix Spike Dup)					Prepared & Analyzed: 12/22/2023				
Chloride	55.0	0.500	mg/L	10.0	54.2	8.37	85-115	Low Bias	0.217	20	
<b>Batch BL31784 - EPA 300</b>											
<b>Blank (BL31784-BLK1)</b>							Prepared & Analyzed: 12/23/2023				
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
<b>LCS (BL31784-BS1)</b>							Prepared & Analyzed: 12/23/2023				
Chloride	10.0	0.500	mg/L	10.0		100	90-110				
Nitrate as N	10.2	0.0500	"	10.0		102	90-110				
Nitrite as N	10.5	0.0500	"	10.0		105	90-110				
<b>Duplicate (BL31784-DUP1)</b>		*Source sample: 23L1608-01 (Duplicate)					Prepared & Analyzed: 12/23/2023				
Chloride	23.8	0.500	mg/L		22.9				3.78	15	
Nitrate as N	0.561	0.0500	"		0.554				1.29	15	
Nitrite as N	0.0714	0.0500	"		0.0705				1.27	15	
<b>Duplicate (BL31784-DUP2)</b>		*Source sample: 23L1608-02 (Duplicate)					Prepared & Analyzed: 12/23/2023				
Chloride	54.5	0.500	mg/L		54.3				0.374	15	
Nitrate as N	0.0319	0.0500	"		0.0321				0.625	15	
Nitrite as N	0.169	0.0500	"		0.147				14.0	15	



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL31784 - EPA 300</b>											
<b>Matrix Spike (BL31784-MS1)</b>		*Source sample: 23L1608-01 (Matrix Spike)					Prepared & Analyzed: 12/23/2023				
Chloride	29.2	0.500	mg/L	10.0	22.9	63.1	85-115	Low Bias			
Nitrate as N	9.55	0.0500	"	10.0	0.554	90.0	90-110				
Nitrite as N	9.07	0.0500	"	10.0	0.0705	90.0	90-110				
<b>Matrix Spike (BL31784-MS2)</b>		*Source sample: 23L1608-02 (Matrix Spike)					Prepared & Analyzed: 12/23/2023				
Chloride	54.7	0.500	mg/L	10.0	54.3	4.06	85-115	Low Bias			
Nitrate as N	8.78	0.0500	"	10.0	0.0321	87.5	90-110	Low Bias			
Nitrite as N	8.76	0.0500	"	10.0	0.147	86.2	90-110	Low Bias			
<b>Matrix Spike Dup (BL31784-MSD1)</b>		*Source sample: 23L1608-01 (Matrix Spike Dup)					Prepared & Analyzed: 12/23/2023				
Chloride	30.2	0.500	mg/L	10.0	22.9	73.2	85-115	Low Bias	3.41	20	
Nitrate as N	9.70	0.0500	"	10.0	0.554	91.5	90-110		1.55	200	
Nitrite as N	9.16	0.0500	"	10.0	0.0705	90.9	90-110		1.00	200	
<b>Matrix Spike Dup (BL31784-MSD2)</b>		*Source sample: 23L1608-02 (Matrix Spike Dup)					Prepared & Analyzed: 12/23/2023				
Chloride	54.9	0.500	mg/L	10.0	54.3	6.04	85-115	Low Bias	0.361	20	
Nitrate as N	8.78	0.0500	"	10.0	0.0321	87.5	90-110	Low Bias	0.0387	200	
Nitrite as N	8.93	0.0500	"	10.0	0.147	87.8	90-110	Low Bias	1.83	200	
<b>Batch BL31786 - EPA 300</b>											
<b>Blank (BL31786-BLK1)</b>							Prepared & Analyzed: 12/23/2023				
Chloride	ND	0.500	mg/L								
<b>LCS (BL31786-BS1)</b>							Prepared & Analyzed: 12/23/2023				
Chloride	9.92	0.500	mg/L	10.0		99.2	90-110				



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BL31786 - EPA 300</b>												
<b>Duplicate (BL31786-DUP1)</b>		*Source sample: 23L1614-03 (Duplicate)						Prepared & Analyzed: 12/23/2023				
Chloride	30.2	0.500	mg/L		30.2				0.0225	15		
<b>Duplicate (BL31786-DUP2)</b>		*Source sample: 23L1614-02 (Duplicate)						Prepared & Analyzed: 12/23/2023				
Chloride	22.0	0.500	mg/L		21.2				3.60	15		
<b>Matrix Spike (BL31786-MS1)</b>		*Source sample: 23L1614-03 (Matrix Spike)						Prepared & Analyzed: 12/23/2023				
Chloride	36.9	0.500	mg/L	10.0	30.2	67.2	85-115	Low Bias				
<b>Matrix Spike (BL31786-MS2)</b>		*Source sample: 23L1614-02 (Matrix Spike)						Prepared & Analyzed: 12/23/2023				
Chloride	30.7	0.500	mg/L	10.0	21.2	94.7	85-115					
<b>Matrix Spike Dup (BL31786-MSD1)</b>		*Source sample: 23L1614-03 (Matrix Spike Dup)						Prepared & Analyzed: 12/23/2023				
Chloride	36.9	0.500	mg/L	10.0	30.2	66.8	85-115	Low Bias	0.126	20		
<b>Matrix Spike Dup (BL31786-MSD2)</b>		*Source sample: 23L1614-02 (Matrix Spike Dup)						Prepared & Analyzed: 12/23/2023				
Chloride	29.9	0.500	mg/L	10.0	21.2	87.1	85-115		2.48	20		
<b>Batch BL31792 - EPA 300</b>												
<b>Blank (BL31792-BLK1)</b>								Prepared & Analyzed: 12/26/2023				
Chloride	ND	0.500	mg/L									
<b>LCS (BL31792-BS1)</b>								Prepared & Analyzed: 12/26/2023				
Chloride	10.0	0.500	mg/L	10.0		100	90-110					
<b>LCS (BL31792-BS2)</b>								Prepared & Analyzed: 12/26/2023				
Chloride	9.74	0.500	mg/L	10.0		97.4	90-110					



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BL31792 - EPA 300**

<b>Duplicate (BL31792-DUP1)</b>	*Source sample: 23L1155-02 (Duplicate)						Prepared & Analyzed: 12/26/2023					
Chloride	40.3	5.00	mg/L		40.1				0.438	15		



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL31685 - Analysis Preparation</b>											
<b>Blank (BL31685-BLK1)</b> <span style="float:right">Prepared: 12/23/2023 Analyzed: 12/26/2023</span>											
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BL31685-BS1)</b> <span style="float:right">Prepared: 12/23/2023 Analyzed: 12/26/2023</span>											
Ammonia Nitrogen as N	1.15	0.0500	mg/L	1.00		115	85-125				
<b>Duplicate (BL31685-DUP1)</b> <span style="float:right">Prepared: 12/23/2023 Analyzed: 12/26/2023</span>											
*Source sample: 23L1184-01 (Duplicate)											
Ammonia Nitrogen as N	3.07	0.0500	mg/L		2.98				2.98	15	
<b>Matrix Spike (BL31685-MS1)</b> <span style="float:right">Prepared: 12/23/2023 Analyzed: 12/26/2023</span>											
*Source sample: 23L1184-01 (Matrix Spike)											
Ammonia Nitrogen as N	12.5	0.0500	mg/L	10.0	2.98	95.2	80-120				
<b>Matrix Spike Dup (BL31685-MSD1)</b> <span style="float:right">Prepared: 12/23/2023 Analyzed: 12/26/2023</span>											
*Source sample: 23L1184-01 (Matrix Spike Dup)											
Ammonia Nitrogen as N	12.9	0.0500	mg/L	10.0	2.98	99.2	80-120		3.15	200	
<b>Batch BL31713 - Analysis Preparation</b>											
<b>Duplicate (BL31713-DUP1)</b> <span style="float:right">Prepared &amp; Analyzed: 12/26/2023</span>											
*Source sample: 23L1453-18 (Monitoring Well # WW Pump Station)											
Alkalinity, total	600	2.0	mg/L		580				2.03	15	
<b>Reference (BL31713-SRM1)</b> <span style="float:right">Prepared &amp; Analyzed: 12/26/2023</span>											
Alkalinity, total	76		mg/L	77.2		98.4	90-110				
<b>Batch BL31718 - Analysis Prep for SAA</b>											
<b>Blank (BL31718-BLK1)</b> <span style="float:right">Prepared: 12/26/2023 Analyzed: 12/27/2023</span>											
Total Kjeldahl Nitrogen	ND	0.400	mg/L								



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BL31718 - Analysis Prep for SAA**

<b>LCS (BL31718-BS1)</b>											
											Prepared: 12/26/2023 Analyzed: 12/27/2023
Total Kjeldahl Nitrogen	4.86		mg/L	5.00		97.3	70-130				
<b>Duplicate (BL31718-DUP1)</b>											
*Source sample: 23L1453-07 (Monitoring Well # DG 3.0 DP-B)											Prepared: 12/26/2023 Analyzed: 12/27/2023
Total Kjeldahl Nitrogen	4.63	0.400	mg/L		4.56				1.63	20	
<b>Matrix Spike (BL31718-MS1)</b>											
*Source sample: 23L1453-07 (Monitoring Well # DG 3.0 DP-B)											Prepared: 12/26/2023 Analyzed: 12/27/2023
Total Kjeldahl Nitrogen	9.25	0.400	mg/L	5.00	4.56	93.9	70-130				

**Batch BL31719 - Analysis Prep for SAA**

<b>Blank (BL31719-BLK1)</b>											
											Prepared & Analyzed: 12/26/2023
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BL31719-BS1)</b>											
											Prepared & Analyzed: 12/26/2023
Total Kjeldahl Nitrogen	5.15		mg/L	5.00		103	70-130				
<b>Duplicate (BL31719-DUP1)</b>											
*Source sample: 23L1181-01 (Duplicate)											Prepared & Analyzed: 12/26/2023
Total Kjeldahl Nitrogen	ND	0.400	mg/L		ND					20	
<b>Matrix Spike (BL31719-MS1)</b>											
*Source sample: 23L1181-01 (Matrix Spike)											Prepared & Analyzed: 12/26/2023
Total Kjeldahl Nitrogen	4.92	0.400	mg/L	5.00	ND	98.4	70-130				





## Sample and Data Qualifiers Relating to This Work Order

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- HT-01R This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

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# Field Chain-of-Custody Record

23L1453

<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741		<b>Report to:</b> SAME		<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE		<b>Project ID/No.</b> 2312251		<b>CLIENT</b>	
Samples Collected by (signature)		Monitoring Well Samples		Canoe Place Inn		Analyses Requested		Name (printed)	

Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Container Desc.
				Water	Soil	Air/Other	
001	Monitoring Well # DG 1.5 DP-A	12/19/23	10:22 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
002	Monitoring Well # DG 1.5 DP-B	12/19/23	10:32 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
003	Monitoring Well # DG 1.5 DP-C	12/19/23	10:48 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
004	Monitoring Well # DG 2.0 DP-C	12/19/23	11:00 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
005	Monitoring Well # DG 2.0 DP-D	12/19/23	11:21 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
006	Monitoring Well # DG 2.0 DP-E	12/19/23	11:37 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
007	Monitoring Well # DG 3.0 DP-B	12/19/23	12:40 PM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
008	Monitoring Well # DG 3.0 DP-D	12/19/23	12:55 PM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
009	Monitoring Well # DG 3.0 DP-E	12/19/23	1:10 PM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
010	Monitoring Well # DG-0.5	12/19/23	10:50 AM	X			1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: KCM/HA Date/Time: 12/20/23

Bottles received in field by: R Babcock Date/Time: 12/20/23 1645

Turn-Around Time Requested: 300 Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:

**Total # of Bottles for this PROJECT (COC This Page):** 40

**Please prepare a QA Summary Report**

Comments/Special Instructions: **USE LOCATION ID AS SAMPLE ID**

STANDARD  RUSH(Define) \_\_\_\_\_

# Field Chain-of-Custody Record

**Company Name**  
 MAXIMUM ENVIRONMENTAL  
 1170 LINCOLN AVENUE, SUITE 4  
 HOLBROOK, NY 11741

**Report to:**  
 SAME

**Invoice to:**  
 ATTN ACCOUNTS PAYABLE

**Project ID/No.**  
 2312251

*CLIENT*

Samples Collected by (signature)

**Canoe Place Inn**  
 Monitoring Well Samples

Sample No	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Analytes Requested	Container Desc.
				Water	Soil	Air/Other		
011	Monitoring Well # DG-1.0	12/19/23	10:59 AM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
012	Monitoring Well # DG-1.5	12/19/23	11:15 AM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
013	Monitoring Well # DG-2	12/19/23	12:20 PM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
014	Monitoring Well # DG-3	12/19/23	11:29 AM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
015	Monitoring Well # #3	12/19/23	1:40 PM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
016	Monitoring Well # DF-1	12/19/23	10:35 AM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
017	Monitoring Well # DF-2	12/19/23	10:25 AM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
018	Monitoring Well # WW Pump Station	12/19/23	8:55 AM	X			Total Nitrogen Series, Alkalinity, Chloride	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL
019								
020								

**Chain-of-Custody Record**

Bottles Relinquished from Lab by \_\_\_\_\_ Date/Time \_\_\_\_\_

*Handwritten Signature* 12/20/23  
 Samples Relinquished by \_\_\_\_\_ Date/Time 12/20/23

*Handwritten Signature* 12/20/23 2PM  
 Samples received by \_\_\_\_\_ Date/Time 12/20/23

Bottles received in field by \_\_\_\_\_ Date/Time \_\_\_\_\_

*Handwritten Signature* 12/20/23 1645  
 Samples Relinquished by \_\_\_\_\_ Date/Time 12/20/23

*Handwritten Signature* 12/20/23 1645 3.00  
 Samples received in LAB by \_\_\_\_\_ Date/Time 12/20/23

Comments/Special Instructions **USE LOCATION ID AS SAMPLE ID**

**Please prepare a QA Summary Report**

Total # of Bottles for this PROJECT (COC This Page) :

**32**

Bottles

Turn-Around Time Requested: Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:

STANDARD  RUSH(Define) \_\_\_\_\_



# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
**Attention: Brian Leshinger**

Report Date: 02/20/2024  
**Client Project ID: 2402169**  
York Project (SDG) No.: 24B0701

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

**Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 12, 2024 and listed below. The project was identified as your project: **2402169**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24B0701-01	Monitoring Well # BG 2	Water	02/12/2024	02/12/2024
24B0701-02	Monitoring Well # DF 3	Water	02/12/2024	02/12/2024
24B0701-03	Monitoring Well # BG 1	Water	02/12/2024	02/12/2024
24B0701-04	Monitoring Well # DF 2	Water	02/12/2024	02/12/2024
24B0701-05	Monitoring Well # DF 1	Water	02/12/2024	02/12/2024
24B0701-06	Monitoring Well # UG 1	Water	02/12/2024	02/12/2024
24B0701-07	Monitoring Well # UG 2	Water	02/12/2024	02/12/2024
24B0701-08	Monitoring Well # UG 2.5	Water	02/12/2024	02/12/2024
24B0701-09	Monitoring Well # UG 2.75	Water	02/12/2024	02/12/2024
24B0701-10	Monitoring Well # UG 3	Water	02/12/2024	02/12/2024
24B0701-11	Monitoring Well # BG 3	Water	02/12/2024	02/12/2024
24B0701-12	Monitoring Well # DG 0.5	Water	02/12/2024	02/12/2024
24B0701-13	Monitoring Well# DG 1	Water	02/12/2024	02/12/2024
24B0701-14	Monitoring Well# DG 1.5	Water	02/12/2024	02/12/2024
24B0701-15	Monitoring Well# DG 2	Water	02/12/2024	02/12/2024
24B0701-16	Monitoring Well# DG 3	Water	02/12/2024	02/12/2024
24B0701-17	Monitoring Well# Well #3	Water	02/12/2024	02/12/2024
24B0701-18	Monitoring Well# WW Pump Chamber	Water	02/12/2024	02/12/2024
24B0701-19	Monitoring Well# DG 1.5-DP A	Water	02/12/2024	02/12/2024
24B0701-20	Monitoring Well# DG 1.5-DP B	Water	02/12/2024	02/12/2024
24B0701-21	Monitoring Well# DG 3-DP-B	Water	02/12/2024	02/12/2024
24B0701-22	Monitoring Well# DG 1.5-DP C	Water	02/12/2024	02/12/2024

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24B0701-23	Monitoring Well# DG 2-DP C	Water	02/12/2024	02/12/2024
24B0701-24	Monitoring Well# DG2-DP-D	Water	02/12/2024	02/12/2024
24B0701-25	Monitoring Well# DG3-DP-D	Water	02/12/2024	02/12/2024
24B0701-26	Monitoring Well# DG2-DP-E	Water	02/12/2024	02/12/2024
24B0701-27	Monitoring Well# DG3-DP-E	Water	02/12/2024	02/12/2024

**General Notes for York Project (SDG) No.: 24B0701**

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

Approved By: 

Date: 02/20/2024

Cassie L. Mosher  
Laboratory Manager





### Sample Information

**Client Sample ID:** Monitoring Well # BG 2

**York Sample ID:** 24B0701-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24B0701	2402169	Water	February 12, 2024 11:00 am	02/12/2024

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	10.6		mg/L	0.0500	1	EPA 300.0	02/12/2024 23:17	02/12/2024 23:17	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/12/2024 23:17	02/12/2024 23:17	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440			

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	5.0		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/13/2024 07:43	02/13/2024 11:39	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	1.31		mg/L	0.400	5	SM 4500-N Org D	02/15/2024 13:27	02/16/2024 10:40	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	11.9		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR	
							Certifications:				

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Organic Nitrogen	1.31		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR	
							Certifications:				



### Sample Information

**Client Sample ID:** Monitoring Well # BG 2

**York Sample ID:** 24B0701-01

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 11:00 am	<u>Date Received</u> 02/12/2024
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### Sample Information

**Client Sample ID:** Monitoring Well # DF 3

**York Sample ID:** 24B0701-02

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 11:04 am	<u>Date Received</u> 02/12/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	4.67		mg/L	0.0500	1	EPA 300.0	02/13/2024 00:28	02/13/2024 00:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 00:28	02/13/2024 00:28	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-0444		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	20		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/13/2024 07:43	02/13/2024 11:39	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.16		mg/L	0.400	5	SM 4500-N Org D	02/15/2024 13:27	02/16/2024 10:40	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # DF 3

York Sample ID: 24B0701-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 11:04 am, 02/12/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 5.83, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 1.16, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well # BG 1

York Sample ID: 24B0701-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 10:28 am, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, 6.22, mg/L, 0.0500, 1, EPA 300.0, 02/12/2024 22:38, 02/12/2024 22:38, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/12/2024 22:38, 02/12/2024 22:38, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Alkalinity, total, 19, mg/L, 2.0, 1, SM 2320B, 02/19/2024 09:01, 02/19/2024 15:00, VR

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well # BG 1

York Sample ID: 24B0701-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 10:28 am, 02/12/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, ND, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/13/2024 07:43, 02/13/2024 11:39, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 1.02, mg/L, 0.400, 5, SM 4500-N Org D, 02/15/2024 13:27, 02/16/2024 10:40, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 7.24, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.02, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well # DF 2

York Sample ID: 24B0701-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 12:30 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8, Nitrate as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 01:50, 02/13/2024 01:50, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0, Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 01:50, 02/13/2024 01:50, NJO



Sample Information

Client Sample ID: Monitoring Well # DF 2

York Sample ID: 24B0701-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 12:30 pm

02/12/2024

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 530, mg/L, 2.0, 1, SM 2320B, 02/19/2024 09:01, 02/19/2024 15:00, VR. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Ammonia Nitrogen as N, 24.1, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/13/2024 07:43, 02/13/2024 11:39, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 26.6, mg/L, 0.400, 5, SM 4500-N Org D, 02/15/2024 13:27, 02/16/2024 10:40, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 26.6, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 2.50, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well # DF 1

York Sample ID: 24B0701-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 12:02 pm

02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # DF 1

**York Sample ID:** 24B0701-05

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 12:02 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/13/2024 01:09	02/13/2024 01:09	NJO

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	02/13/2024 01:09	02/13/2024 01:09	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	520		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/19/2024 09:01	02/19/2024 15:00	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	21.2		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/13/2024 07:43	02/13/2024 11:39	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	23.0		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/15/2024 13:27	02/16/2024 10:40	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	23.0		mg/L	0.0500	1	SM 4500-N B Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.80		mg/L	0.100	1	SM 4500-N Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR



Sample Information

Client Sample ID: Monitoring Well # DF 1

York Sample ID: 24B0701-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 12:02 pm, 02/12/2024

Sample Information

Client Sample ID: Monitoring Well # UG 1

York Sample ID: 24B0701-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 12:08 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: 14797-55-8, Nitrate as N, 6.50, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 01:19, 02/13/2024 01:19, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: 14797-65-0, Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 01:19, 02/13/2024 01:19, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: Alkalinity, total, 180, mg/L, 2.0, 1, SM 2320B, 02/19/2024 09:01, 02/19/2024 15:00, VR

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: 7664-41-7, Ammonia Nitrogen as N, 0.595, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/13/2024 07:43, 02/13/2024 11:39, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: Total Kjeldahl Nitrogen, 2.08, mg/L, 0.400, 5, SM 4500-N Org D, 02/15/2024 13:27, 02/16/2024 10:40, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well # UG 1

York Sample ID: 24B0701-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 12:08 pm, 02/12/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 8.58, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 1.49, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well # UG 2

York Sample ID: 24B0701-07

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 1:14 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 03:03, 02/13/2024 03:03, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 03:03, 02/13/2024 03:03, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Alkalinity, total, 590, mg/L, 2.0, 1, SM 2320B, 02/19/2024 09:01, 02/19/2024 15:00, VR

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well # UG 2

York Sample ID: 24B0701-07

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 1:14 pm, 02/12/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 27.0, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/13/2024 07:43, 02/13/2024 11:39, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 28.2, mg/L, 0.400, 5, SM 4500-N Org D, 02/15/2024 13:27, 02/16/2024 10:40, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 28.2, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.20, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well # UG 2.5

York Sample ID: 24B0701-08

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 11:35 am, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8, Nitrate as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 00:48, 02/13/2024 00:48, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Empty row



### Sample Information

**Client Sample ID:** Monitoring Well # UG 2.5

**York Sample ID:** 24B0701-08

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 11:35 am	<u>Date Received</u> 02/12/2024
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**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	02/13/2024 00:48	02/13/2024 00:48	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	620		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/19/2024 09:01	02/19/2024 15:00	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	30.2		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/13/2024 07:43	02/13/2024 11:39	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	31.6		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/15/2024 13:27	02/16/2024 10:40	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	31.6		mg/L	0.0500	1	SM 4500-N B Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.40		mg/L	0.100	1	SM 4500-N Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR



### Sample Information

**Client Sample ID:** Monitoring Well # UG 2.75

**York Sample ID:** 24B0701-09

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 11:01 am	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/12/2024 23:56	02/12/2024 23:56	NJO

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	02/12/2024 23:56	02/12/2024 23:56	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	560		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/19/2024 09:01	02/19/2024 15:00	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	35.5		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/13/2024 07:43	02/13/2024 11:39	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	36.8		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/15/2024 13:27	02/16/2024 10:40	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	36.8		mg/L	0.0500	1	SM 4500-N B Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.30		mg/L	0.100	1	SM 4500-N Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR



### Sample Information

**Client Sample ID:** Monitoring Well # UG 2.75

**York Sample ID:** 24B0701-09

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 11:01 am	<u>Date Received</u> 02/12/2024
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### Sample Information

**Client Sample ID:** Monitoring Well # UG 3

**York Sample ID:** 24B0701-10

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 11:38 am	<u>Date Received</u> 02/12/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/13/2024 00:58	02/13/2024 00:58	NJO

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	02/13/2024 00:58	02/13/2024 00:58	NJO

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	430		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/19/2024 09:01	02/19/2024 15:00	VR

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	4.40		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/13/2024 07:43	02/13/2024 11:39	TCD

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	4.80		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/15/2024 13:27	02/16/2024 10:40	TCD

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well # UG 3

York Sample ID: 24B0701-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 11:38 am, 02/12/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 4.80, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 0.400, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well # BG 3

York Sample ID: 24B0701-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 11:34 am, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 0.300, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 00:38, 02/13/2024 00:38, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 00:38, 02/13/2024 00:38, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 440, mg/L, 2.0, 1, SM 2320B, 02/19/2024 09:01, 02/19/2024 15:00, VR

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well # BG 3

York Sample ID: 24B0701-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 11:34 am, 02/12/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 25.1, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/13/2024 07:43, 02/13/2024 11:39, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 26.0, mg/L, 0.400, 5, SM 4500-N Org D, 02/15/2024 13:27, 02/16/2024 10:40, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 26.3, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 0.900, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well # DG 0.5

York Sample ID: 24B0701-12

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 12:34 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8, Nitrate as N, 6.01, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 02:00, 02/13/2024 02:00, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well # DG 0.5

**York Sample ID:** 24B0701-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 12:34 pm

02/12/2024

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:00	02/13/2024 02:00	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-0444										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	20		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/13/2024 07:43	02/13/2024 11:39	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.38		mg/L	0.400	5	SM 4500-N Org D	02/15/2024 13:27	02/16/2024 10:40	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.39		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.38		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG 1

**York Sample ID:** 24B0701-13

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:08 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.961		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:53	02/13/2024 02:53	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:53	02/13/2024 02:53	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	140		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.509		mg/L	0.0500	1	SM 4500-NH3 D	02/13/2024 07:43	02/13/2024 11:39	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	9.5		mg/L	2.4	2.375	SM 5210 B-2016	02/14/2024 07:41	02/19/2024 10:01	PRS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.12		mg/L	0.400	5	SM 4500-N Org D	02/15/2024 13:27	02/16/2024 10:40	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	2.08		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG 1

**York Sample ID:** 24B0701-13

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:08 pm	<u>Date Received</u> 02/12/2024
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.610		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well# DG 1.5

**York Sample ID:** 24B0701-14

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:05 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0985		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:43	02/13/2024 02:43	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:43	02/13/2024 02:43	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	450		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	20.8		mg/L	0.0500	1	SM 4500-NH3 D	02/13/2024 07:43	02/13/2024 11:39	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well# DG 1.5

York Sample ID: 24B0701-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 1:05 pm

02/12/2024

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Biochemical Oxygen Demand (BOD) (5-Day), 12, mg/L, 2.8, 2.85, SM 5210 B-2016, 02/14/2024 07:41, 02/19/2024 10:01, PRS. Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 21.8, mg/L, 0.400, 5, SM 4500-N Org D, 02/16/2024 10:47, 02/20/2024 10:43, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 21.9, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.00, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well# DG 2

York Sample ID: 24B0701-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 12:10 pm

02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 01:29, 02/13/2024 01:29, NJO. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-044

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Empty row.



### Sample Information

**Client Sample ID:** Monitoring Well# DG 2

**York Sample ID:** 24B0701-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 12:10 pm

02/12/2024

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-0444	02/13/2024 01:29	02/13/2024 01:29	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	360		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/19/2024 09:01	02/19/2024 15:00	VR

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	9.11		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/13/2024 07:43	02/13/2024 11:39	TCD

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	4.8	4.75	SM 5210 B-2016 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/14/2024 07:41	02/19/2024 10:01	PRS

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	9.80		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	02/16/2024 10:47	02/20/2024 10:43	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	9.80		mg/L	0.0500	1	SM 4500-N B Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.690		mg/L	0.100	1	SM 4500-N Certifications:	02/20/2024 07:45	02/20/2024 14:16	VR



## Sample Information

**Client Sample ID:** Monitoring Well# DG 3

**York Sample ID:** 24B0701-16

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:23 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0546		mg/L	0.0500	1	EPA 300.0	02/13/2024 03:13	02/13/2024 03:13	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 03:13	02/13/2024 03:13	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	320		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	2.71		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	16		mg/L	5.7	5.7	SM 5210 B-2016	02/14/2024 07:41	02/19/2024 10:01	PRS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	3.83		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	3.88		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG 3

**York Sample ID:** 24B0701-16

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:23 pm	<u>Date Received</u> 02/12/2024
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.12		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well# Well #3

**York Sample ID:** 24B0701-17

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 12:50 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.536		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:32	02/13/2024 02:32	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	0.122		mg/L	0.0500	1	EPA 300.0	02/13/2024 02:32	02/13/2024 02:32	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	48		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well# Well #3

York Sample ID: 24B0701-17

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 12:50 pm, 02/12/2024

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Biochemical Oxygen Demand (BOD) (5-Day), ND, mg/L, 1.9, 1.9, SM 5210 B-2016, 02/14/2024 07:41, 02/19/2024 10:01, PRS

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Total Kjeldahl Nitrogen, ND, mg/L, 0.400, 5, SM 4500-N Org D, 02/16/2024 10:47, 02/20/2024 10:43, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 0.660, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, ND, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well# WW Pump Chamber

York Sample ID: 24B0701-18

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 1:55 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 04:15, 02/13/2024 04:15, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 02/13/2024 04:15, 02/13/2024 04:15, NJO



### Sample Information

**Client Sample ID:** Monitoring Well# WW Pump Chamber

**York Sample ID:** 24B0701-18

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:55 pm	<u>Date Received</u> 02/12/2024
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**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	490		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	35.5		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	210		mg/L	41	40.72	SM 5210 B-2016	02/14/2024 07:41	02/19/2024 10:01	PRS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	36.8		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	36.8		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.30		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG 1.5-DP A

**York Sample ID:** 24B0701-19

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:40 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.55		mg/L	0.0500	1	EPA 300.0	02/13/2024 03:24	02/13/2024 03:24	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 03:24	02/13/2024 03:24	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	310		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	3.50		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	4.05		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	6.60		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.550		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



**Sample Information**

**Client Sample ID:** Monitoring Well# DG 1.5-DP A

**York Sample ID:** 24B0701-19

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:40 pm	<u>Date Received</u> 02/12/2024
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**Sample Information**

**Client Sample ID:** Monitoring Well# DG 1.5-DP B

**York Sample ID:** 24B0701-20

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 1:51 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.73		mg/L	0.0500	1	EPA 300.0	02/13/2024 03:34	02/13/2024 03:34	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 03:34	02/13/2024 03:34	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	190		mg/L	2.0	1	SM 2320B	02/19/2024 09:01	02/19/2024 15:00	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.96		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.00		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well# DG 1.5-DP B

York Sample ID: 24B0701-20

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 1:51 pm, 02/12/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 4.73, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, ND, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well# DG 3-DP-B

York Sample ID: 24B0701-21

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 2:49 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 2.11, HT-01R mg/L, 0.100, 2, EPA 300.0, 02/20/2024 00:41, 02/20/2024 00:41, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, HT-01R mg/L, 0.100, 2, EPA 300.0, 02/20/2024 00:41, 02/20/2024 00:41, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 650, mg/L, 2.0, 1, SM 2320B, 02/20/2024 07:36, 02/20/2024 13:12, VR

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well# DG 3-DP-B

York Sample ID: 24B0701-21

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 2:49 pm, 02/12/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 28.9, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/16/2024 07:31, 02/16/2024 14:03, TCD

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 37.8, mg/L, 0.400, 5, SM 4500-N Org D, 02/16/2024 10:47, 02/20/2024 10:43, TCD

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 39.9, mg/L, 0.0500, 1, SM 4500-N B, 02/20/2024 07:45, 02/20/2024 14:16, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 8.90, mg/L, 0.100, 1, SM 4500-N, 02/20/2024 07:45, 02/20/2024 14:16, VR

Sample Information

Client Sample ID: Monitoring Well# DG 1.5-DP C

York Sample ID: 24B0701-22

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 2:04 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8, Nitrate as N, 8.18, HT-01R mg/L, 0.100, 2, EPA 300.0, 02/20/2024 00:51, 02/20/2024 00:51, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well# DG 1.5-DP C

**York Sample ID:** 24B0701-22

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 2:04 pm

02/12/2024

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 00:51	02/20/2024 00:51	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	38		mg/L	2.0	1	SM 2320B	02/20/2024 07:36	02/20/2024 13:12	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.15		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	9.33		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.15		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG 2-DP C

**York Sample ID:** 24B0701-23

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 2:17 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.43	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 01:02	02/20/2024 01:02	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 01:02	02/20/2024 01:02	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	130		mg/L	2.0	1	SM 2320B	02/20/2024 07:36	02/20/2024 13:12	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.41		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.84		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.41		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



Sample Information

Client Sample ID: Monitoring Well# DG 2-DP C

York Sample ID: 24B0701-23

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 2:17 pm, 02/12/2024

Sample Information

Client Sample ID: Monitoring Well# DG2-DP-D

York Sample ID: 24B0701-24

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24B0701, 2402169, Water, February 12, 2024 2:27 pm, 02/12/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: 14797-55-8, Nitrate as N, 8.40, HT-01R, mg/L, 0.100, 2, EPA 300.0, 02/20/2024 01:12, 02/20/2024 01:12, NJO. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: 14797-65-0, Nitrite as N, ND, HT-01R, mg/L, 0.100, 2, EPA 300.0, 02/20/2024 01:12, 02/20/2024 01:12, NJO. Certifications: NELAC-NY10854, CTDOH-PH-0723, PADEP-68-04440

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: Alkalinity, total, 190, mg/L, 2.0, 1, SM 2320B, 02/20/2024 07:36, 02/20/2024 13:12, VR. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: 7664-41-7, Ammonia Nitrogen as N, 0.117, mg/L, 0.0500, 1, SM 4500-NH3 D, 02/16/2024 07:31, 02/16/2024 14:03, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: Total Kjeldahl Nitrogen, 1.48, mg/L, 0.400, 5, SM 4500-N Org D, 02/16/2024 10:47, 02/20/2024 10:43, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Values: Total Nitrogen (TN), mg/L, 0.400, 5, SM 4500-N Org D, 02/16/2024 10:47, 02/20/2024 10:43, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04



**Sample Information**

**Client Sample ID:** Monitoring Well# DG2-DP-D

**York Sample ID:** 24B0701-24

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 2:27 pm	<u>Date Received</u> 02/12/2024
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**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		9.88		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR

Certifications:

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.36		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR

Certifications:

**Sample Information**

**Client Sample ID:** Monitoring Well# DG3-DP-D

**York Sample ID:** 24B0701-25

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 2:58 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.482		mg/L	0.0500	1	EPA 300.0	02/13/2024 06:36	02/13/2024 06:36	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	02/13/2024 06:36	02/13/2024 06:36	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	230		mg/L	2.0	1	SM 2320B	02/20/2024 07:36	02/20/2024 13:12	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well# DG3-DP-D **York Sample ID:** 24B0701-25

**York Project (SDG) No.:** 24B0701 **Client Project ID:** 2402169 **Matrix:** Water **Collection Date/Time:** February 12, 2024 2:58 pm **Date Received:** 02/12/2024

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	6.59		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	6.65		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.13		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	ND		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well# DG2-DP-E **York Sample ID:** 24B0701-26

**York Project (SDG) No.:** 24B0701 **Client Project ID:** 2402169 **Matrix:** Water **Collection Date/Time:** February 12, 2024 2:37 pm **Date Received:** 02/12/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.18	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 01:33	02/20/2024 01:33	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well# DG2-DP-E

**York Sample ID:** 24B0701-26

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0701

2402169

Water

February 12, 2024 2:37 pm

02/12/2024

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 01:33	02/20/2024 01:33	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	48		mg/L	2.0	1	SM 2320B	02/20/2024 07:36	02/20/2024 13:12	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	0.920		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.10		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.920		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG3-DP-E

**York Sample ID:** 24B0701-27

<u>York Project (SDG) No.</u> 24B0701	<u>Client Project ID</u> 2402169	<u>Matrix</u> Water	<u>Collection Date/Time</u> February 12, 2024 3:07 pm	<u>Date Received</u> 02/12/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.77	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 01:43	02/20/2024 01:43	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND	HT-01R	mg/L	0.100	2	EPA 300.0	02/20/2024 01:43	02/20/2024 01:43	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	120		mg/L	2.0	1	SM 2320B	02/20/2024 07:36	02/20/2024 13:12	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	02/16/2024 07:31	02/16/2024 14:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	0.855		mg/L	0.400	5	SM 4500-N Org D	02/16/2024 10:47	02/20/2024 10:43	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	4.63		mg/L	0.0500	1	SM 4500-N B	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.860		mg/L	0.100	1	SM 4500-N	02/20/2024 07:45	02/20/2024 14:16	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well# DG3-DP-E

**York Sample ID:** 24B0701-27

York Project (SDG) No.  
24B0701

Client Project ID  
2402169

Matrix  
Water

Collection Date/Time  
February 12, 2024 3:07 pm

Date Received  
02/12/2024

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## Analytical Batch Summary

**Batch ID:** BB40757      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-01	Monitoring Well # BG 2	02/13/24
24B0701-02	Monitoring Well # DF 3	02/13/24
24B0701-03	Monitoring Well # BG 1	02/13/24
24B0701-04	Monitoring Well # DF 2	02/13/24
24B0701-05	Monitoring Well # DF 1	02/13/24
24B0701-06	Monitoring Well # UG 1	02/13/24
24B0701-07	Monitoring Well # UG 2	02/13/24
24B0701-08	Monitoring Well # UG 2.5	02/13/24
24B0701-09	Monitoring Well # UG 2.75	02/13/24
24B0701-10	Monitoring Well # UG 3	02/13/24
24B0701-11	Monitoring Well # BG 3	02/13/24
24B0701-12	Monitoring Well # DG 0.5	02/13/24
24B0701-13	Monitoring Well# DG 1	02/13/24
24B0701-14	Monitoring Well# DG 1.5	02/13/24
24B0701-15	Monitoring Well# DG 2	02/13/24
BB40757-BLK1	Blank	02/13/24
BB40757-BS1	LCS	02/13/24
BB40757-DUP1	Duplicate	02/13/24
BB40757-MS1	Matrix Spike	02/13/24
BB40757-MSD1	Matrix Spike Dup	02/13/24

**Batch ID:** BB40786      **Preparation Method:** Analysis Preparation      **Prepared By:** PRS

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-13	Monitoring Well# DG 1	02/14/24
24B0701-14	Monitoring Well# DG 1.5	02/14/24
24B0701-15	Monitoring Well# DG 2	02/14/24
24B0701-16	Monitoring Well# DG 3	02/14/24
24B0701-17	Monitoring Well# Well #3	02/14/24
24B0701-18	Monitoring Well# WW Pump C	02/14/24
BB40786-BLK1	Blank	02/14/24
BB40786-DUP1	Duplicate	02/14/24

**Batch ID:** BB40870      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-01	Monitoring Well # BG 2	02/12/24
24B0701-02	Monitoring Well # DF 3	02/13/24
24B0701-03	Monitoring Well # BG 1	02/12/24
24B0701-04	Monitoring Well # DF 2	02/13/24
24B0701-05	Monitoring Well # DF 1	02/13/24
24B0701-06	Monitoring Well # UG 1	02/13/24
24B0701-07	Monitoring Well # UG 2	02/13/24
24B0701-08	Monitoring Well # UG 2.5	02/13/24
24B0701-09	Monitoring Well # UG 2.75	02/12/24



24B0701-10	Monitoring Well # UG 3	02/13/24
24B0701-11	Monitoring Well # BG 3	02/13/24
24B0701-12	Monitoring Well # DG 0.5	02/13/24
24B0701-13	Monitoring Well# DG 1	02/13/24
24B0701-14	Monitoring Well# DG 1.5	02/13/24
24B0701-15	Monitoring Well# DG 2	02/13/24
24B0701-16	Monitoring Well# DG 3	02/13/24
24B0701-17	Monitoring Well# Well #3	02/13/24
24B0701-19	Monitoring Well# DG 1.5-DP A	02/13/24
24B0701-20	Monitoring Well# DG 1.5-DP E	02/13/24
BB40870-BLK1	Blank	02/12/24
BB40870-BS1	LCS	02/12/24
BB40870-DUP1	Duplicate	02/12/24
BB40870-DUP2	Duplicate	02/12/24
BB40870-MS1	Matrix Spike	02/12/24
BB40870-MS2	Matrix Spike	02/12/24
BB40870-MSD1	Matrix Spike Dup	02/12/24
BB40870-MSD2	Matrix Spike Dup	02/12/24

**Batch ID:** BB40956                      **Preparation Method:** Analysis Prep for SAA                      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-01	Monitoring Well # BG 2	02/15/24
24B0701-02	Monitoring Well # DF 3	02/15/24
24B0701-03	Monitoring Well # BG 1	02/15/24
24B0701-04	Monitoring Well # DF 2	02/15/24
24B0701-05	Monitoring Well # DF 1	02/15/24
24B0701-06	Monitoring Well # UG 1	02/15/24
24B0701-07	Monitoring Well # UG 2	02/15/24
24B0701-08	Monitoring Well # UG 2.5	02/15/24
24B0701-09	Monitoring Well # UG 2.75	02/15/24
24B0701-10	Monitoring Well # UG 3	02/15/24
24B0701-11	Monitoring Well # BG 3	02/15/24
24B0701-12	Monitoring Well # DG 0.5	02/15/24
24B0701-13	Monitoring Well# DG 1	02/15/24
BB40956-BLK1	Blank	02/15/24
BB40956-BS1	LCS	02/15/24
BB40956-DUP1	Duplicate	02/15/24
BB40956-MS1	Matrix Spike	02/15/24

**Batch ID:** BB40989                      **Preparation Method:** Analysis Preparation                      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-16	Monitoring Well# DG 3	02/16/24
24B0701-17	Monitoring Well# Well #3	02/16/24
24B0701-18	Monitoring Well# WW Pump C	02/16/24
24B0701-19	Monitoring Well# DG 1.5-DP A	02/16/24
24B0701-20	Monitoring Well# DG 1.5-DP E	02/16/24
24B0701-21	Monitoring Well# DG 3-DP-B	02/16/24
24B0701-22	Monitoring Well# DG 1.5-DP C	02/16/24
24B0701-23	Monitoring Well# DG 2-DP C	02/16/24



24B0701-24	Monitoring Well# DG2-DP-D	02/16/24
24B0701-25	Monitoring Well# DG3-DP-D	02/16/24
24B0701-26	Monitoring Well# DG2-DP-E	02/16/24
24B0701-27	Monitoring Well# DG3-DP-E	02/16/24
BB40989-BLK1	Blank	02/16/24
BB40989-BS1	LCS	02/16/24
BB40989-DUP1	Duplicate	02/16/24
BB40989-MS1	Matrix Spike	02/16/24
BB40989-MSD1	Matrix Spike Dup	02/16/24

**Batch ID:** BB41023      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-14	Monitoring Well# DG 1.5	02/16/24
24B0701-15	Monitoring Well# DG 2	02/16/24
24B0701-16	Monitoring Well# DG 3	02/16/24
24B0701-17	Monitoring Well# Well #3	02/16/24
24B0701-18	Monitoring Well# WW Pump C	02/16/24
24B0701-19	Monitoring Well# DG 1.5-DP A	02/16/24
24B0701-20	Monitoring Well# DG 1.5-DP E	02/16/24
24B0701-21	Monitoring Well# DG 3-DP-B	02/16/24
24B0701-22	Monitoring Well# DG 1.5-DP C	02/16/24
24B0701-23	Monitoring Well# DG 2-DP C	02/16/24
24B0701-24	Monitoring Well# DG2-DP-D	02/16/24
24B0701-25	Monitoring Well# DG3-DP-D	02/16/24
24B0701-26	Monitoring Well# DG2-DP-E	02/16/24
24B0701-27	Monitoring Well# DG3-DP-E	02/16/24
BB41023-BLK1	Blank	02/16/24
BB41023-BS1	LCS	02/16/24
BB41023-DUP1	Duplicate	02/16/24
BB41023-MS1	Matrix Spike	02/16/24

**Batch ID:** BB41136      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-01	Monitoring Well # BG 2	02/19/24
24B0701-02	Monitoring Well # DF 3	02/19/24
24B0701-03	Monitoring Well # BG 1	02/19/24
24B0701-04	Monitoring Well # DF 2	02/19/24
24B0701-05	Monitoring Well # DF 1	02/19/24
24B0701-06	Monitoring Well # UG 1	02/19/24
24B0701-07	Monitoring Well # UG 2	02/19/24
24B0701-08	Monitoring Well # UG 2.5	02/19/24
24B0701-09	Monitoring Well # UG 2.75	02/19/24
24B0701-10	Monitoring Well # UG 3	02/19/24
24B0701-11	Monitoring Well # BG 3	02/19/24
24B0701-12	Monitoring Well # DG 0.5	02/19/24
24B0701-13	Monitoring Well# DG 1	02/19/24
24B0701-14	Monitoring Well# DG 1.5	02/19/24
24B0701-15	Monitoring Well# DG 2	02/19/24
24B0701-16	Monitoring Well# DG 3	02/19/24



24B0701-17	Monitoring Well# Well #3	02/19/24
24B0701-18	Monitoring Well# WW Pump C	02/19/24
24B0701-19	Monitoring Well# DG 1.5-DP A	02/19/24
24B0701-20	Monitoring Well# DG 1.5-DP E	02/19/24
BB41136-DUP1	Duplicate	02/19/24
BB41136-SRM1	Reference	02/19/24

**Batch ID:** BB41195      **Preparation Method:** Analysis Preparation      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-21	Monitoring Well# DG 3-DP-B	02/20/24
24B0701-22	Monitoring Well# DG 1.5-DP C	02/20/24
24B0701-23	Monitoring Well# DG 2-DP C	02/20/24
24B0701-24	Monitoring Well# DG2-DP-D	02/20/24
24B0701-25	Monitoring Well# DG3-DP-D	02/20/24
24B0701-26	Monitoring Well# DG2-DP-E	02/20/24
24B0701-27	Monitoring Well# DG3-DP-E	02/20/24
BB41195-DUP1	Duplicate	02/20/24
BB41195-SRM1	Reference	02/20/24

**Batch ID:** BB41201      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-01	Monitoring Well # BG 2	02/20/24
24B0701-02	Monitoring Well # DF 3	02/20/24
24B0701-03	Monitoring Well # BG 1	02/20/24
24B0701-04	Monitoring Well # DF 2	02/20/24
24B0701-05	Monitoring Well # DF 1	02/20/24
24B0701-06	Monitoring Well # UG 1	02/20/24
24B0701-07	Monitoring Well # UG 2	02/20/24
24B0701-08	Monitoring Well # UG 2.5	02/20/24
24B0701-09	Monitoring Well # UG 2.75	02/20/24
24B0701-10	Monitoring Well # UG 3	02/20/24
24B0701-11	Monitoring Well # BG 3	02/20/24
24B0701-12	Monitoring Well # DG 0.5	02/20/24
24B0701-13	Monitoring Well# DG 1	02/20/24
24B0701-14	Monitoring Well# DG 1.5	02/20/24
24B0701-15	Monitoring Well# DG 2	02/20/24
24B0701-16	Monitoring Well# DG 3	02/20/24
24B0701-17	Monitoring Well# Well #3	02/20/24
24B0701-18	Monitoring Well# WW Pump C	02/20/24
24B0701-19	Monitoring Well# DG 1.5-DP A	02/20/24
24B0701-20	Monitoring Well# DG 1.5-DP E	02/20/24
24B0701-21	Monitoring Well# DG 3-DP-B	02/20/24
24B0701-22	Monitoring Well# DG 1.5-DP C	02/20/24
24B0701-23	Monitoring Well# DG 2-DP C	02/20/24
24B0701-24	Monitoring Well# DG2-DP-D	02/20/24
24B0701-25	Monitoring Well# DG3-DP-D	02/20/24
24B0701-26	Monitoring Well# DG2-DP-E	02/20/24
24B0701-27	Monitoring Well# DG3-DP-E	02/20/24



**Batch ID:** BB41266

**Preparation Method:** EPA 300

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-18	Monitoring Well# WW Pump C	02/13/24
24B0701-25	Monitoring Well# DG3-DP-D	02/13/24
BB41266-BLK1	Blank	02/13/24
BB41266-BS1	LCS	02/13/24
BB41266-DUP1	Duplicate	02/13/24
BB41266-MS1	Matrix Spike	02/13/24
BB41266-MSD1	Matrix Spike Dup	02/13/24

**Batch ID:** BB41267

**Preparation Method:** EPA 300

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24B0701-21	Monitoring Well# DG 3-DP-B	02/20/24
24B0701-22	Monitoring Well# DG 1.5-DP C	02/20/24
24B0701-23	Monitoring Well# DG 2-DP C	02/20/24
24B0701-24	Monitoring Well# DG2-DP-D	02/20/24
24B0701-26	Monitoring Well# DG2-DP-E	02/20/24
24B0701-27	Monitoring Well# DG3-DP-E	02/20/24
BB41267-BLK1	Blank	02/19/24
BB41267-BS1	LCS	02/19/24
BB41267-DUP1	Duplicate	02/19/24
BB41267-DUP2	Duplicate	02/19/24
BB41267-MS1	Matrix Spike	02/19/24
BB41267-MS2	Matrix Spike	02/19/24
BB41267-MSD1	Matrix Spike Dup	02/19/24
BB41267-MSD2	Matrix Spike Dup	02/19/24



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BB40870 - EPA 300</b>											
<b>Blank (BB40870-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BB40870-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	9.49	0.0500	mg/L	10.0		94.9	90-110				
Nitrite as N	9.57	0.0500	"	10.0		95.7	90-110				
<b>Duplicate (BB40870-DUP1)</b> *Source sample: 24B0701-03 (Monitoring Well # BG 1) <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	6.27	0.0500	mg/L		6.22				0.876	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Duplicate (BB40870-DUP2)</b> *Source sample: 24B0701-01 (Monitoring Well # BG 2) <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	10.8	0.0500	mg/L		10.6				1.51	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BB40870-MS1)</b> *Source sample: 24B0701-03 (Monitoring Well # BG 1) <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	16.2	0.0500	mg/L	10.0	6.22	99.4	90-110				
Nitrite as N	9.33	0.0500	"	10.0	ND	93.3	90-110				
<b>Matrix Spike (BB40870-MS2)</b> *Source sample: 24B0701-01 (Monitoring Well # BG 2) <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	20.0	0.0500	mg/L	10.0	10.6	93.4	90-110				
Nitrite as N	8.64	0.0500	"	10.0	ND	86.4	90-110	Low Bias			
<b>Matrix Spike Dup (BB40870-MSD1)</b> *Source sample: 24B0701-03 (Monitoring Well # BG 1) <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	16.3	0.0500	mg/L	10.0	6.22	101	90-110		0.683	200	
Nitrite as N	9.35	0.0500	"	10.0	ND	93.5	90-110		0.214	200	
<b>Matrix Spike Dup (BB40870-MSD2)</b> *Source sample: 24B0701-01 (Monitoring Well # BG 2) <span style="float:right">Prepared &amp; Analyzed: 02/12/2024</span>											
Nitrate as N	20.0	0.0500	mg/L	10.0	10.6	94.1	90-110		0.346	200	
Nitrite as N	8.86	0.0500	"	10.0	ND	88.6	90-110	Low Bias	2.44	200	



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BB41266 - EPA 300**

**Blank (BB41266-BLK1)**

Prepared & Analyzed: 02/13/2024

Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								

**LCS (BB41266-BS1)**

Prepared & Analyzed: 02/13/2024

Nitrate as N	9.46	0.0500	mg/L	10.0		94.6	90-110				
Nitrite as N	9.25	0.0500	"	10.0		92.5	90-110				

**Duplicate (BB41266-DUP1)**

\*Source sample: 24B0701-18 (Monitoring Well# WW Pump Chamber)

Prepared & Analyzed: 02/13/2024

Nitrate as N	ND	0.0500	mg/L		0.0368						15
Nitrite as N	ND	0.0500	"		ND						15

**Matrix Spike (BB41266-MS1)**

\*Source sample: 24B0701-18 (Monitoring Well# WW Pump Chamber)

Prepared & Analyzed: 02/13/2024

Nitrate as N	ND	0.0500	mg/L	10.0	0.0368	NR	90-110	Low Bias			
Nitrite as N	ND	0.0500	"	10.0	ND		90-110	Low Bias			

**Matrix Spike Dup (BB41266-MSD1)**

\*Source sample: 24B0701-18 (Monitoring Well# WW Pump Chamber)

Prepared & Analyzed: 02/13/2024

Nitrate as N	ND	0.0500	mg/L	10.0	0.0368	NR	90-110	Low Bias			200
Nitrite as N	ND	0.0500	"	10.0	ND		90-110	Low Bias			200

**Batch BB41267 - EPA 300**

**Blank (BB41267-BLK1)**

Prepared & Analyzed: 02/19/2024

Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								

**LCS (BB41267-BS1)**

Prepared & Analyzed: 02/19/2024

Nitrate as N	9.66	0.0500	mg/L	10.0		96.6	90-110				
Nitrite as N	9.88	0.0500	"	10.0		98.8	90-110				



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BB41267 - EPA 300</b>												
<b>Duplicate (BB41267-DUP1)</b>		*Source sample: 24B1016-01 (Duplicate)						Prepared & Analyzed: 02/19/2024				
Nitrate as N	3.33	0.0500	mg/L		3.30				0.934	15		
Nitrite as N	ND	0.0500	"		ND					15		
<b>Duplicate (BB41267-DUP2)</b>		*Source sample: 24B1016-02 (Duplicate)						Prepared & Analyzed: 02/19/2024				
Nitrate as N	11.4	0.0500	mg/L		11.4				0.188	15		
Nitrite as N	ND	0.0500	"		ND					15		
<b>Matrix Spike (BB41267-MS1)</b>		*Source sample: 24B1016-01 (Matrix Spike)						Prepared & Analyzed: 02/19/2024				
Nitrate as N	2.98	0.0500	mg/L	10.0	3.30	NR	90-110	Low Bias				
Nitrite as N	19.3	0.0500	"	10.0	ND	193	90-110	High Bias				
<b>Matrix Spike (BB41267-MS2)</b>		*Source sample: 24B1016-02 (Matrix Spike)						Prepared & Analyzed: 02/19/2024				
Nitrate as N	10.4	0.0500	mg/L	10.0	11.4	NR	90-110	Low Bias				
Nitrite as N	19.7	0.0500	"	10.0	ND	197	90-110	High Bias				
<b>Matrix Spike Dup (BB41267-MSD1)</b>		*Source sample: 24B1016-01 (Matrix Spike Dup)						Prepared & Analyzed: 02/19/2024				
Nitrate as N	3.09	0.0500	mg/L	10.0	3.30	NR	90-110	Low Bias	3.54	200		
Nitrite as N	19.3	0.0500	"	10.0	ND	193	90-110	High Bias	0.232	200		
<b>Matrix Spike Dup (BB41267-MSD2)</b>		*Source sample: 24B1016-02 (Matrix Spike Dup)						Prepared & Analyzed: 02/19/2024				
Nitrate as N	10.5	0.0500	mg/L	10.0	11.4	NR	90-110	Low Bias	0.679	200		
Nitrite as N	19.7	0.0500	"	10.0	ND	197	90-110	High Bias	0.114	200		



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			
<b>Batch BB40757 - Analysis Preparation</b>											
<b>Blank (BB40757-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/13/2024</span>											
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BB40757-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/13/2024</span>											
Ammonia Nitrogen as N	1.11	0.0500	mg/L	1.00		111		85-125			
<b>Duplicate (BB40757-DUP1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/13/2024</span>											
		*Source sample: 24B0685-01 (Duplicate)									
Ammonia Nitrogen as N	0.0761	0.0500	mg/L		0.0731				4.02	15	
<b>Matrix Spike (BB40757-MS1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/13/2024</span>											
		*Source sample: 24B0685-01 (Matrix Spike)									
Ammonia Nitrogen as N	11.2	0.0500	mg/L	10.0	0.0731	111		80-120			
<b>Matrix Spike Dup (BB40757-MSD1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/13/2024</span>											
		*Source sample: 24B0685-01 (Matrix Spike Dup)									
Ammonia Nitrogen as N	11.2	0.0500	mg/L	10.0	0.0731	111		80-120	0.00	200	
<b>Batch BB40786 - Analysis Preparation</b>											
<b>Blank (BB40786-BLK1)</b> <span style="float:right">Prepared: 02/14/2024 Analyzed: 02/19/2024</span>											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
<b>Duplicate (BB40786-DUP1)</b> <span style="float:right">Prepared: 02/14/2024 Analyzed: 02/19/2024</span>											
		*Source sample: 24B0701-13 (Monitoring Well# DG 1)									
Biochemical Oxygen Demand (BOD) (5-Day)	8.0	2.4	mg/L		9.5				17.1	40	
<b>Batch BB40956 - Analysis Prep for SAA</b>											
<b>Blank (BB40956-BLK1)</b> <span style="float:right">Prepared: 02/15/2024 Analyzed: 02/16/2024</span>											
Total Kjeldahl Nitrogen	ND	0.400	mg/L								



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Level					Result			
<b>Batch BB40956 - Analysis Prep for SAA</b>													
<b>LCS (BB40956-BS1)</b> <span style="float:right">Prepared: 02/15/2024 Analyzed: 02/16/2024</span>													
Total Kjeldahl Nitrogen	4.68		mg/L	5.00		93.7		70-130					
<b>Duplicate (BB40956-DUP1)</b> *Source sample: 24B0692-03 (Duplicate) <span style="float:right">Prepared: 02/15/2024 Analyzed: 02/16/2024</span>													
Total Kjeldahl Nitrogen	ND	0.400	mg/L		ND							20	
<b>Matrix Spike (BB40956-MS1)</b> *Source sample: 24B0692-03 (Matrix Spike) <span style="float:right">Prepared: 02/15/2024 Analyzed: 02/16/2024</span>													
Total Kjeldahl Nitrogen	3.74	0.400	mg/L	5.00	ND	74.8		70-130					
<b>Batch BB40989 - Analysis Preparation</b>													
<b>Blank (BB40989-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/16/2024</span>													
Ammonia Nitrogen as N	ND	0.0500	mg/L										
<b>LCS (BB40989-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 02/16/2024</span>													
Ammonia Nitrogen as N	1.07	0.0500	mg/L	1.00		107		85-125					
<b>Duplicate (BB40989-DUP1)</b> *Source sample: 24B0701-16 (Monitoring Well# DG 3) <span style="float:right">Prepared &amp; Analyzed: 02/16/2024</span>													
Ammonia Nitrogen as N	2.98	0.0500	mg/L		2.71					9.49		15	
<b>Matrix Spike (BB40989-MS1)</b> *Source sample: 24B0701-16 (Monitoring Well# DG 3) <span style="float:right">Prepared &amp; Analyzed: 02/16/2024</span>													
Ammonia Nitrogen as N	13.1	0.0500	mg/L	10.0	2.71	104		80-120					
<b>Matrix Spike Dup (BB40989-MSD1)</b> *Source sample: 24B0701-16 (Monitoring Well# DG 3) <span style="float:right">Prepared &amp; Analyzed: 02/16/2024</span>													
Ammonia Nitrogen as N	12.4	0.0500	mg/L	10.0	2.71	96.9		80-120		5.49		200	
<b>Batch BB41023 - Analysis Prep for SAA</b>													
<b>Blank (BB41023-BLK1)</b> <span style="float:right">Prepared: 02/16/2024 Analyzed: 02/20/2024</span>													
Total Kjeldahl Nitrogen	ND	0.400	mg/L										



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result	Limits	RPD		Limit		
<b>Batch BB41023 - Analysis Prep for SAA</b>											
<b>LCS (BB41023-BS1)</b>						Prepared: 02/16/2024 Analyzed: 02/20/2024					
Total Kjeldahl Nitrogen	4.46		mg/L	5.00		89.1	70-130				
<b>Duplicate (BB41023-DUP1)</b> *Source sample: 24B0701-15 (Monitoring Well# DG 2)						Prepared: 02/16/2024 Analyzed: 02/20/2024					
Total Kjeldahl Nitrogen	8.45	0.400	mg/L		9.80				14.8	20	
<b>Matrix Spike (BB41023-MS1)</b> *Source sample: 24B0701-15 (Monitoring Well# DG 2)						Prepared: 02/16/2024 Analyzed: 02/20/2024					
Total Kjeldahl Nitrogen	13.4	0.400	mg/L	5.00	9.80	72.0	70-130				
<b>Batch BB41136 - Analysis Preparation</b>											
<b>Duplicate (BB41136-DUP1)</b> *Source sample: 24B0701-20 (Monitoring Well# DG 1.5-DP B)						Prepared & Analyzed: 02/19/2024					
Alkalinity, total	190	2.0	mg/L		190				0.00	15	
<b>Reference (BB41136-SRM1)</b>						Prepared & Analyzed: 02/19/2024					
Alkalinity, total	76		mg/L	77.2		98.4	90-110				
<b>Batch BB41195 - Analysis Preparation</b>											
<b>Duplicate (BB41195-DUP1)</b> *Source sample: 24B0904-02 (Duplicate)						Prepared & Analyzed: 02/20/2024					
Alkalinity, total	28	2.0	mg/L		28				0.00	15	
<b>Reference (BB41195-SRM1)</b>						Prepared & Analyzed: 02/20/2024					
Alkalinity, total	76		mg/L	77.2		98.4	90-110				





## Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
BOD-DIFF	The sample exhibited computed BOD results >30% difference between different dilutions which may indicate the presence of a toxic substance or analysis issues. The data user should take note.

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

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Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 203.325.1371 FAX 203.357-0166

**Field Chain-of-Custody Record**

2430701

<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	<b>Report to:</b> SAME	<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE	<b>Project ID/No.</b> 2402169
<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741		<b>Canoe Place Inn</b> Monitoring Well Samples	
<b>Location/ID</b>		<b>Analyses Requested</b>	
<b>Sample No.</b>		<b>Container Desc.</b>	

Sample No.	Monitoring Well #	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Total Nitrogen Series, Alkalinity	Container Desc.
					Water	Soil	Air/Other		
001	Monitoring Well # BG 2		02/12/24	11:00 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
002	Monitoring Well # DF 3		02/12/24	11:04 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
003	Monitoring Well # BG 1		02/12/24	10:28 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
004	Monitoring Well # DF 2		02/12/24	12:30 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
005	Monitoring Well # DF 1		02/12/24	12:02 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
006	Monitoring Well # UG 1		02/12/24	12:08 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
007	Monitoring Well # UG 2		02/12/24	1:14 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
008	Monitoring Well # UG 2.5		02/12/24	11:35 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
009	Monitoring Well # UG 2.75		02/12/24	11:01 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4
010	Monitoring Well # UG 3		02/12/24	11:38 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4

<b>Chain-of-Custody Record</b>	<b>Turn-Around Time Requested-Specify Date</b> 2/12/24 1850	<b>Expected if RUSH Requested-DATE DUE FOR RUSH:</b> 2020 4.2
Bottles Relinquished from Lab by <i>Rama Duran</i>	Samples Relinquished by <i>Rama Duran</i>	Date/Time 2/12/24
Bottles received in field by <i>ELK</i>	Samples received in Lab by <i>NRX</i>	Date/Time 2/12/24
<b>Total # of Bottles for this PROJECT (COC This Page) :</b>		
30	Bottles	X STANDARD RUSH (Define)

Comments/Special Instructions **USE LOCATION ID AS SAMPLE ID**  
**Please prepare a QA Summary Report**

Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 203.325.1371 FAX 203.357-0166

# Field Chain-of-Custody Record

2430701

Company Name <b>MAXIMUM ENVIRONMENTAL</b> 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741		Report to: <b>SAME</b>		Invoice to: <b>ATTN ACCOUNTS PAYABLE</b>		Project ID/No. <b>2402169</b>		Client <b>CLIENT</b>	
Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Monitoring Well Samples Analyses Requested	Name (printed) Container Desc.	
				Water	Soil	Air / Other			
011	Monitoring Well # BG 3	02/12/24	11:34 AM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4	
012	Monitoring Well # DG 0.5	02/12/24	12:34 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4	
013	Monitoring Well # DG 1	02/12/24	1:08 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-500 mL H2SO4	
014	Monitoring Well # DG 1.5	02/12/24	1:05 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-500 mL H2SO4	
015	Monitoring Well # DG 2	02/12/24	12:10 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-500 mL H2SO4	
016	Monitoring Well # DG 3	02/12/24	1:23 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-500 mL H2SO4	
017	Monitoring Well # Well #3	02/12/24	12:50 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-500 mL H2SO4	
018	Monitoring Well # WW Pump Chamber	02/12/24	1:55 PM	X			BOD(5), Total Nitrogen Series, Alkalinity	1-1000 mL, 1-500 mL, 1-250 mL, 1-500 mL H2SO4	
019	Monitoring Well # DG 1.5-DP A	02/12/24	1:40 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4	
020	Monitoring Well # DG 1.5 - DP B	02/12/24	1:51 PM	X			Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4	

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: Ed [Signature] Date/Time: 02-12-24

Bottles received in field by: Rosina Duran Date/Time: 2/12/24

Comments/Special Instructions: **USE LOCATION ID AS SAMPLE ID**

**Please prepare a QA Summary Report**

Turn-Around Time Requested: Specify Date  
 Expected if RUSH Requested: DATE DUE FOR RUSH.

Total # of Bottles for this PROJECT (COC This Page): **36** Bottles

Standard: X STANDARD      RUSH(Define)

Analytical Laboratories, Inc.  
 120 Research Drive  
 Stratford, CT 06615  
 203.325.1371 FAX 203.357.0166

# Field Chain-of-Custody Record

2430701

Sample No.	Location/ID	Date Sampled	Time Sampled	Report to:			Invoice to:	Project ID/No.	Monitoring Well Samples	Container Desc.	
				MAXIMUM ENVIRONMENTAL HOLBROOK, NY 11741	SAME	ATTN ACCOUNTS PAYABLE					2402169
				Sample Matrix			Analyses Requested				
				Water	Soil	Air	Other				
021	Monitoring Well # DG 3-DP-B	02/12/24	2:49 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
022	Monitoring Well # DG 1.5-DP C	02/12/24	2:04 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
023	Monitoring Well # DG 2 -DP C	02/12/24	2:17 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
024	Monitoring Well # DG2 -DP-D	02/12/24	2:27 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
025	Monitoring Well # DG3 - DP-D	02/12/24	2:58 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
026	Monitoring Well # DG2-DP-E	02/12/24	2:37 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
027	Monitoring Well # DG3-DP-E	02/12/24	3:07 PM	X				Total Nitrogen Series, Alkalinity	1-500 mL, 1-250 mL, 1-500 mL H2SO4		
028											
029											
030											

**Chain-of-Custody Record**

Bottles Relinquished from Lab by Elifgen Date/Time 02-12-24

Bottles received in field by Ramon Duran Date/Time 2/12/24

Comments/Special Instructions USE LOCATION ID AS SAMPLE ID

**Please prepare a QA Summary Report**

Turn-Around Time Requested: Specify Date  
 Expected if RUSH Requested: DATE DUE FOR RUSH:

Total # of Bottles for this PROJECT (COC This Page) : 21 Bottles

Standard: X STANDARD      RUSH(Define)     

Samples received by Ramon Duran Date/Time 2/12/24 18:50

Samples Relinquished by NCU Date/Time 2/12/24



# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
**Attention: Brian Leshinger**

Report Date: 06/10/2024  
**Client Project ID: 2405360**  
York Project (SDG) No.: 24E2071

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 06/10/2024  
Client Project ID: 2405360  
York Project (SDG) No.: 24E2071

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 31, 2024 and listed below. The project was identified as your project: **2405360**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24E2071-01	Monitoring Well # MW-DG1.5-DP A	Water	05/30/2024	05/31/2024
24E2071-02	Monitoring Well # MW-DG1.5-DP B	Water	05/30/2024	05/31/2024
24E2071-03	Monitoring Well # MW-DG1.5-DP C	Water	05/30/2024	05/31/2024
24E2071-04	Monitoring Well # MW-DG2-DP C	Water	05/30/2024	05/31/2024
24E2071-05	Monitoring Well # MW-DG2-DP D	Water	05/30/2024	05/31/2024
24E2071-06	Monitoring Well # MW-DG2-DP E	Water	05/30/2024	05/31/2024
24E2071-07	Monitoring Well # MW-DG3-DP B	Water	05/30/2024	05/31/2024
24E2071-08	Monitoring Well # MW-DG3-DP D	Water	05/30/2024	05/31/2024
24E2071-09	Monitoring Well # MW-DG3-DP E	Water	05/30/2024	05/31/2024
24E2071-10	Monitoring Well # DG-0.5	Water	05/30/2024	05/31/2024
24E2071-11	Monitoring Well # DG-1.0	Water	05/30/2024	05/31/2024
24E2071-12	Monitoring Well # DG-1.5	Water	05/30/2024	05/31/2024
24E2071-13	Monitoring Well # DG-2	Water	05/30/2024	05/31/2024
24E2071-14	Monitoring Well # DG-3	Water	05/30/2024	05/31/2024
24E2071-15	Monitoring Well # B61	Water	05/30/2024	05/31/2024
24E2071-16	Monitoring Well # B62	Water	05/30/2024	05/31/2024
24E2071-17	Monitoring Well # WW PUMP STATION	Water	05/30/2024	05/31/2024

## **General Notes for York Project (SDG) No.: 24E2071**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:**



Cassie L. Mosher  
Laboratory Manager

**Date:** 06/10/2024





### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG1.5-DP A **York Sample ID:** 24E2071-01  
**York Project (SDG) No.:** 24E2071 **Client Project ID:** 2405360 **Matrix:** Water **Collection Date/Time:** May 30, 2024 12:26 pm **Date Received:** 05/31/2024

#### Chloride

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	123		mg/L	0.690	5.00	10	EPA 300.0	06/01/2024 05:03	06/01/2024 05:03	NJO
Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005, PADEP-68-04											

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	2.19		mg/L	0.0500	1	EPA 300.0	05/31/2024 23:22	05/31/2024 23:22	NJO	
Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04											

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	05/31/2024 23:22	05/31/2024 23:22	NJO	
Certifications: NELAC-NY10854, CTDOH-PH-0723, PADEP-68-04440											

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	240		mg/L	2.0	1	SM 2320B	06/04/2024 07:36	06/04/2024 14:39	PMB	
Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04											

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	12.1		mg/L	0.0500	1	SM 4500-NH3 D	06/03/2024 15:51	06/03/2024 22:31	SMK	
Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04											

#### Biochemical Oxygen Demand (BOD) 5-Day

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	2.5	2.5	SM 5210 B-2016	05/31/2024 18:40	06/05/2024 12:18	PRS	
Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005, PADEP-68-04											

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	13.3		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD	
Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04											



Sample Information

Client Sample ID: Monitoring Well # MW-DG1.5-DP A York Sample ID: 24E2071-01
York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 12:26 pm Date Received 05/31/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 15.5, mg/L, 0.0500, SM 4500-N B, 06/10/2024 07:22, 06/10/2024 07:26, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.20, mg/L, 0.100, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR

Sample Information

Client Sample ID: Monitoring Well # MW-DG1.5-DP B York Sample ID: 24E2071-02
York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 12:40 pm Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6 Chloride, 119, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 05:14, 06/01/2024 05:14, NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 6.82, mg/L, 0.0500, 1, EPA 300.0, 05/31/2024 23:32, 05/31/2024 23:32, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 05/31/2024 23:32, 05/31/2024 23:32, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Empty row



### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG1.5-DP B **York Sample ID:** 24E2071-02

**York Project (SDG) No.** 24E2071 **Client Project ID** 2405360 **Matrix** Water **Collection Date/Time** May 30, 2024 12:40 pm **Date Received** 05/31/2024

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	140		mg/L	2.0	1	SM 2320B	06/04/2024 07:36	06/04/2024 14:39	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	3.87		mg/L	0.0500	1	SM 4500-NH3 D	06/03/2024 15:51	06/03/2024 22:31	SMK
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Biochemical Oxygen Demand (BOD) 5-Day

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	2.5	2.5	SM 5210 B-2016	05/31/2024 18:40	06/05/2024 12:18	PRS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	5.85		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	12.7		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.98		mg/L	0.100	1	SM 4500-N	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG1.5-DP C **York Sample ID:** 24E2071-03  
**York Project (SDG) No.:** 24E2071 **Client Project ID:** 2405360 **Matrix:** Water **Collection Date/Time:** May 30, 2024 12:50 pm **Date Received:** 05/31/2024

#### Chloride

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	100		mg/L	0.690	5.00	10	EPA 300.0	06/01/2024 05:24	06/01/2024 05:24	NJO
Certifications:									CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	10.2		mg/L	0.0500	1	EPA 300.0	05/31/2024 23:43	05/31/2024 23:43	NJO	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	05/31/2024 23:43	05/31/2024 23:43	NJO	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	28		mg/L	2.0	1	SM 2320B	06/04/2024 07:36	06/04/2024 14:39	PMB	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Biochemical Oxygen Demand (BOD) 5-Day

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	3.1	3,125	SM 5210 B-2016	05/31/2024 18:40	06/05/2024 12:18	PRS	
Certifications:									CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	3.58		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD	
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		



### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG1.5-DP C **York Sample ID:** 24E2071-03

**York Project (SDG) No.** 24E2071 **Client Project ID** 2405360 **Matrix** Water **Collection Date/Time** May 30, 2024 12:50 pm **Date Received** 05/31/2024

#### Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		13.8		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR

Certifications:

#### Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		3.58		mg/L	0.100	1	SM 4500-N	06/10/2024 07:22	06/10/2024 07:26	VR

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG2-DP C **York Sample ID:** 24E2071-04

**York Project (SDG) No.** 24E2071 **Client Project ID** 2405360 **Matrix** Water **Collection Date/Time** May 30, 2024 1:12 pm **Date Received** 05/31/2024

#### Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	97.9		mg/L	0.690	5.00	10	EPA 300.0	06/01/2024 05:34	06/01/2024 05:34	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

#### Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	10.2		mg/L	0.0500	1	EPA 300.0	05/31/2024 23:53	05/31/2024 23:53	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044

#### Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	05/31/2024 23:53	05/31/2024 23:53	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

#### Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG2-DP C

**York Sample ID:** 24E2071-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E2071

2405360

Water

May 30, 2024 1:12 pm

05/31/2024

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	72		mg/L	2.0	1	SM 2320B	06/04/2024 07:36	06/04/2024 14:39	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.68		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	4.56		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	14.8		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.88		mg/L	0.100	1	SM 4500-N	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG2-DP D

**York Sample ID:** 24E2071-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E2071

2405360

Water

May 30, 2024 1:20 pm

05/31/2024

#### Chloride

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

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

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@

Page 9 of 43



### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG2-DP D

**York Sample ID:** 24E2071-05

**York Project (SDG) No.**  
24E2071

**Client Project ID**  
2405360

**Matrix**  
Water

**Collection Date/Time**  
May 30, 2024 1:20 pm

**Date Received**  
05/31/2024

**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	81.3		mg/L	0.690	5.00	10	EPA 300.0	06/01/2024 05:45	06/01/2024 05:45	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	9.67		mg/L	0.0500	1	EPA 300.0	06/01/2024 00:03	06/01/2024 00:03	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/01/2024 00:03	06/01/2024 00:03	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	68		mg/L	2.0	1	SM 2320B	06/07/2024 13:01	06/07/2024 15:19	PMB	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	1.89		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	11.6		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR	
Certifications:											



Sample Information

Client Sample ID: Monitoring Well # MW-DG2-DP D

York Sample ID: 24E2071-05

York Project (SDG) No. 24E2071

Client Project ID 2405360

Matrix Water

Collection Date/Time May 30, 2024 1:20 pm

Date Received 05/31/2024

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.89, mg/L, 0.100, 1, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR

Sample Information

Client Sample ID: Monitoring Well # MW-DG2-DP E

York Sample ID: 24E2071-06

York Project (SDG) No. 24E2071

Client Project ID 2405360

Matrix Water

Collection Date/Time May 30, 2024 1:29 pm

Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6 Chloride, 127, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 05:55, 06/01/2024 05:55, NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 7.78, mg/L, 0.0500, 1, EPA 300.0, 06/01/2024 00:14, 06/01/2024 00:14, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 06/01/2024 00:14, 06/01/2024 00:14, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 20, mg/L, 2.0, 1, SM 2320B, 06/07/2024 13:01, 06/07/2024 15:19, PMB

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: (Empty row)



Sample Information

Client Sample ID: Monitoring Well # MW-DG2-DP E

York Sample ID: 24E2071-06

York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 1:29 pm Date Received 05/31/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, ND, mg/L, 0.0500, 1, SM 4500-NH3 D, 06/04/2024 12:30, 06/04/2024 13:52, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 2.26, mg/L, 0.400, 5, SM 4500-N Org D, 06/04/2024 15:28, 06/05/2024 14:50, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 10.0, mg/L, 0.0500, 1, SM 4500-N B, 06/10/2024 07:22, 06/10/2024 07:26, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 2.26, mg/L, 0.100, 1, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well # MW-DG3-DP B

York Sample ID: 24E2071-07

York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 1:59 pm Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 102, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 06:05, 06/01/2024 06:05, NJO. Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst.



### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG3-DP B

**York Sample ID:** 24E2071-07

<u>York Project (SDG) No.</u> 24E2071	<u>Client Project ID</u> 2405360	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 30, 2024 1:59 pm	<u>Date Received</u> 05/31/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/01/2024 00:24	06/01/2024 00:24	NJO

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	06/01/2024 00:24	06/01/2024 00:24	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	600		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/07/2024 13:01	06/07/2024 15:19	PMB

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	36.9		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/04/2024 12:30	06/04/2024 13:52	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	42.2		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/04/2024 15:28	06/05/2024 14:50	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	42.2		mg/L	0.0500	1	SM 4500-N B Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	5.30		mg/L	0.100	1	SM 4500-N Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR



### Sample Information

**Client Sample ID:** Monitoring Well # MW-DG3-DP D

**York Sample ID:** 24E2071-08

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

24E2071

2405360

Water

May 30, 2024 2:08 pm

05/31/2024

#### Chloride

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	101		mg/L	0.690	5.00	10	EPA 300.0	06/01/2024 06:15	06/01/2024 06:15	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	6.36		mg/L	0.0500	1	EPA 300.0	06/01/2024 00:34	06/01/2024 00:34	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/01/2024 00:34	06/01/2024 00:34	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	66		mg/L	2.0	1	SM 2320B	06/07/2024 13:01	06/07/2024 15:19	PMB	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	0.971		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	2.39		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	8.75		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR	
Certifications:											



Sample Information

Client Sample ID: Monitoring Well # MW-DG3-DP D

York Sample ID: 24E2071-08

York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 2:08 pm Date Received 05/31/2024

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.42, mg/L, 0.100, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR.

Sample Information

Client Sample ID: Monitoring Well # MW-DG3-DP E

York Sample ID: 24E2071-09

York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 2:16 pm Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6 Chloride, 111, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 06:26, 06/01/2024 06:26, NJO.

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 6.96, mg/L, 0.0500, EPA 300.0, 06/01/2024 00:45, 06/01/2024 00:45, NJO.

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, EPA 300.0, 06/01/2024 00:45, 06/01/2024 00:45, NJO.

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 40, mg/L, 2.0, SM 2320B, 06/07/2024 13:01, 06/07/2024 15:19, PMB.

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst.



Sample Information

Client Sample ID: Monitoring Well # MW-DG3-DP E

York Sample ID: 24E2071-09

York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 2:16 pm Date Received 05/31/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, ND, mg/L, 0.0500, 1, SM 4500-NH3 D, 06/04/2024 12:30, 06/04/2024 13:52, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 2.04, mg/L, 0.400, 5, SM 4500-N Org D, 06/04/2024 15:28, 06/05/2024 14:50, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 9.00, mg/L, 0.0500, 1, SM 4500-N B, 06/10/2024 07:22, 06/10/2024 07:26, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 2.04, mg/L, 0.100, 1, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well # DG-0.5

York Sample ID: 24E2071-10

York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 2:47 pm Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 90.7, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 06:59, 06/01/2024 06:59, NJO. Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst.



### Sample Information

Client Sample ID: Monitoring Well # DG-0.5

York Sample ID: 24E2071-10

York Project (SDG) No.  
24E2071

Client Project ID  
2405360

Matrix  
Water

Collection Date/Time  
May 30, 2024 2:47 pm

Date Received  
05/31/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	5.68		mg/L	0.0500	1	EPA 300.0	06/01/2024 00:55	06/01/2024 00:55	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/01/2024 00:55	06/01/2024 00:55	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	20		mg/L	2.0	1	SM 2320B	06/07/2024 13:01	06/07/2024 15:19	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Biochemical Oxygen Demand (BOD) 5-Day

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	3.1	3.125	SM 5210 B-2016	05/31/2024 18:40	06/05/2024 12:18	PRS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.78		mg/L	0.400	5	SM 4500-N Org D	06/04/2024 15:28	06/05/2024 14:50	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.46		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR
							Certifications:			

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@



Sample Information

Client Sample ID: Monitoring Well # DG-0.5 York Sample ID: 24E2071-10
York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 2:47 pm Date Received 05/31/2024

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.78, mg/L, 0.100, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR

Sample Information

Client Sample ID: Monitoring Well # DG-1.0 York Sample ID: 24E2071-11
York Project (SDG) No. 24E2071 Client Project ID 2405360 Matrix Water Collection Date/Time May 30, 2024 3:19 pm Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6 Chloride, 81.6, mg/L, 0.0690, 0.500, EPA 300.0, 06/01/2024 01:28, 06/01/2024 01:28, NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 2.17, mg/L, 0.0500, EPA 300.0, 06/01/2024 01:28, 06/01/2024 01:28, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, EPA 300.0, 06/01/2024 01:28, 06/01/2024 01:28, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 140, mg/L, 2.0, SM 2320B, 06/07/2024 13:01, 06/07/2024 15:19, PMB

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7 Ammonia Nitrogen as N, 0.466, mg/L, 0.0500, SM 4500-NH3 D, 06/04/2024 12:30, 06/04/2024 13:52, TCD



### Sample Information

**Client Sample ID:** Monitoring Well # DG-1.0

**York Sample ID:** 24E2071-11

<u>York Project (SDG) No.</u> 24E2071	<u>Client Project ID</u> 2405360	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 30, 2024 3:19 pm	<u>Date Received</u> 05/31/2024
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#### Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	7.5	7.5	SM 5210 B-2016 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/31/2024 18:40	06/05/2024 12:18	PRS

#### Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.46		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/04/2024 15:28	06/05/2024 14:50	TCD

#### Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	4.63		mg/L	0.0500	1	SM 4500-N B Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR

#### Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.99		mg/L	0.100	1	SM 4500-N Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR

### Sample Information

**Client Sample ID:** Monitoring Well # DG-1.5

**York Sample ID:** 24E2071-12

<u>York Project (SDG) No.</u> 24E2071	<u>Client Project ID</u> 2405360	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 30, 2024 3:26 pm	<u>Date Received</u> 05/31/2024
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#### Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	77.7		mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	06/01/2024 01:38	06/01/2024 01:38	NJO

#### Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/01/2024 01:38	06/01/2024 01:38	NJO



### Sample Information

**Client Sample ID:** Monitoring Well # DG-1.5

**York Sample ID:** 24E2071-12

**York Project (SDG) No.**  
24E2071

**Client Project ID**  
2405360

**Matrix**  
Water

**Collection Date/Time**  
May 30, 2024 3:26 pm

**Date Received**  
05/31/2024

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	06/01/2024 01:38	06/01/2024 01:38	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	390		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/07/2024 13:01	06/07/2024 15:19	PMB

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	10.3		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/04/2024 12:30	06/04/2024 13:52	TCD

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	7.6	7.59	SM 5210 B-2016 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/31/2024 18:40	06/05/2024 12:18	PRS

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	11.0		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/04/2024 15:28	06/05/2024 14:50	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	11.0		mg/L	0.0500	1	SM 4500-N B Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.700		mg/L	0.100	1	SM 4500-N Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR



### Sample Information

**Client Sample ID:** Monitoring Well # DG-2

**York Sample ID:** 24E2071-13

**York Project (SDG) No.**  
24E2071

**Client Project ID**  
2405360

**Matrix**  
Water

**Collection Date/Time**  
May 30, 2024 12:03 pm

**Date Received**  
05/31/2024

**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	70.9		mg/L	0.0690	0.500	1	EPA 300.0	06/01/2024 01:49	06/01/2024 01:49	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	0.123		mg/L	0.0500	1	EPA 300.0	06/01/2024 01:49	06/01/2024 01:49	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/01/2024 01:49	06/01/2024 01:49	NJO	
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	220		mg/L	2.0	1	SM 2320B	06/04/2024 07:36	06/04/2024 14:39	PMB	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	2.71		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	7.6	7.59	SM 5210 B-2016	05/31/2024 18:40	06/05/2024 12:18	PRS	
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	2.76		mg/L	0.400	5	SM 4500-N Org D	06/05/2024 15:47	06/06/2024 16:03	TCD	
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											



### Sample Information

**Client Sample ID:** Monitoring Well # DG-2

**York Sample ID:** 24E2071-13

<u>York Project (SDG) No.</u> 24E2071	<u>Client Project ID</u> 2405360	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 30, 2024 12:03 pm	<u>Date Received</u> 05/31/2024
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#### Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		2.88		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR

Certifications:

#### Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		ND		mg/L	0.100	1	SM 4500-N	06/10/2024 07:22	06/10/2024 07:26	VR

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well # DG-3

**York Sample ID:** 24E2071-14

<u>York Project (SDG) No.</u> 24E2071	<u>Client Project ID</u> 2405360	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 30, 2024 2:52 pm	<u>Date Received</u> 05/31/2024
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#### Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	70.9		mg/L	0.0690	0.500	1	EPA 300.0	06/01/2024 01:59	06/01/2024 01:59	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

#### Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.112		mg/L	0.0500	1	EPA 300.0	06/01/2024 01:59	06/01/2024 01:59	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	06/01/2024 01:59	06/01/2024 01:59	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

#### Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well # DG-3

**York Sample ID:** 24E2071-14

**York Project (SDG) No.**  
24E2071

**Client Project ID**  
2405360

**Matrix**  
Water

**Collection Date/Time**  
May 30, 2024 2:52 pm

**Date Received**  
05/31/2024

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	210		mg/L	2.0	1	SM 2320B	06/07/2024 13:01	06/07/2024 15:19	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.40		mg/L	0.0500	1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Biochemical Oxygen Demand (BOD) 5-Day**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	8.0		mg/L	7.6	7.59	SM 5210 B-2016	05/31/2024 18:40	06/05/2024 12:18	PRS
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.80		mg/L	0.400	5	SM 4500-N Org D	06/05/2024 15:47	06/06/2024 16:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	1.91		mg/L	0.0500	1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.400		mg/L	0.100	1	SM 4500-N	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well # B61

**York Sample ID:** 24E2071-15

**York Project (SDG) No.**  
24E2071

**Client Project ID**  
2405360

**Matrix**  
Water

**Collection Date/Time**  
May 30, 2024 10:52 am

**Date Received**  
05/31/2024

**Chloride**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	73.6		mg/L	0.0690	0.500	1	EPA 300.0	06/01/2024 02:09	06/01/2024 02:09	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	11.8		mg/L	0.0500		1	EPA 300.0	06/01/2024 02:09	06/01/2024 02:09	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500		1	EPA 300.0	06/01/2024 02:09	06/01/2024 02:09	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440											

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	64		mg/L	2.0		1	SM 2320B	06/04/2024 07:36	06/04/2024 14:39	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500		1	SM 4500-NH3 D	06/04/2024 12:30	06/04/2024 13:52	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.50		mg/L	0.400		5	SM 4500-N Org D	06/05/2024 15:47	06/06/2024 16:03	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04											

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	14.3		mg/L	0.0500		1	SM 4500-N B	06/10/2024 07:22	06/10/2024 07:26	VR
Certifications:											



Sample Information

Client Sample ID: Monitoring Well # B61

York Sample ID: 24E2071-15

York Project (SDG) No. 24E2071

Client Project ID 2405360

Matrix Water

Collection Date/Time May 30, 2024 10:52 am

Date Received 05/31/2024

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 2.50, mg/L, 0.100, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR.

Sample Information

Client Sample ID: Monitoring Well # B62

York Sample ID: 24E2071-16

York Project (SDG) No. 24E2071

Client Project ID 2405360

Matrix Water

Collection Date/Time May 30, 2024 4:08 pm

Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6 Chloride, 104, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 08:01, 06/01/2024 08:01, NJO.

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8 Nitrate as N, 9.78, mg/L, 0.0500, EPA 300.0, 06/01/2024 11:16, 06/01/2024 11:16, NJO.

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, EPA 300.0, 06/01/2024 11:16, 06/01/2024 11:16, NJO.

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Alkalinity, total, 10, mg/L, 2.0, SM 2320B, 06/07/2024 13:01, 06/07/2024 15:19, PMB.

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst.



Sample Information

Client Sample ID: Monitoring Well # B62

York Sample ID: 24E2071-16

York Project (SDG) No. 24E2071

Client Project ID 2405360

Matrix Water

Collection Date/Time May 30, 2024 4:08 pm

Date Received 05/31/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, ND, mg/L, 0.0500, 1, SM 4500-NH3 D, 06/04/2024 12:30, 06/04/2024 13:52, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 1.77, mg/L, 0.400, 5, SM 4500-N Org D, 06/05/2024 15:47, 06/06/2024 16:03, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 11.6, mg/L, 0.0500, 1, SM 4500-N B, 06/10/2024 07:22, 06/10/2024 07:26, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 1.77, mg/L, 0.100, 1, SM 4500-N, 06/10/2024 07:22, 06/10/2024 07:26, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well # WW PUMP STATION

York Sample ID: 24E2071-17

York Project (SDG) No. 24E2071

Client Project ID 2405360

Matrix Water

Collection Date/Time May 30, 2024 2:45 pm

Date Received 05/31/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16887-00-6, Chloride, 139, mg/L, 0.690, 5.00, 10, EPA 300.0, 06/01/2024 02:20, 06/01/2024 02:20, NJO. Certifications: CTDOH-PH-0723, NELAC-NY10854, NJDEP-CT005, PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: (Empty row)



### Sample Information

**Client Sample ID:** Monitoring Well # WW PUMP STATION

**York Sample ID:** 24E2071-17

<u>York Project (SDG) No.</u> 24E2071	<u>Client Project ID</u> 2405360	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 30, 2024 2:45 pm	<u>Date Received</u> 05/31/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/01/2024 11:55	06/01/2024 11:55	NJO

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	06/01/2024 11:55	06/01/2024 11:55	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	700		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/07/2024 13:01	06/07/2024 15:19	PMB

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	34.8		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/04/2024 12:30	06/04/2024 13:52	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	38.4		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	06/05/2024 15:47	06/06/2024 16:03	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	38.4		mg/L	0.0500	1	SM 4500-N B Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	3.60		mg/L	0.100	1	SM 4500-N Certifications:	06/10/2024 07:22	06/10/2024 07:26	VR



## Analytical Batch Summary

**Batch ID:** BE42118      **Preparation Method:** Analysis Preparation      **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	05/31/24
24E2071-02	Monitoring Well # MW-DG1.5-	05/31/24
24E2071-03	Monitoring Well # MW-DG1.5-	05/31/24
24E2071-10	Monitoring Well # DG-0.5	05/31/24
24E2071-11	Monitoring Well # DG-1.0	05/31/24
24E2071-12	Monitoring Well # DG-1.5	05/31/24
24E2071-13	Monitoring Well # DG-2	05/31/24
24E2071-14	Monitoring Well # DG-3	05/31/24
BE42118-BLK1	Blank	05/31/24
BE42118-DUP1	Duplicate	05/31/24

**Batch ID:** BF40072      **Preparation Method:** EPA 300      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-16	Monitoring Well # B62	06/01/24
24E2071-17	Monitoring Well # WW PUMP	06/01/24
BF40072-BLK1	Blank	06/01/24
BF40072-BS1	LCS	06/01/24
BF40072-DUP1	Duplicate	06/01/24
BF40072-MS1	Matrix Spike	06/01/24
BF40072-MSD1	Matrix Spike Dup	06/01/24

**Batch ID:** BF40114      **Preparation Method:** Analysis Preparation      **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	06/03/24
24E2071-02	Monitoring Well # MW-DG1.5-	06/03/24
BF40114-BLK1	Blank	06/03/24
BF40114-BS1	LCS	06/03/24
BF40114-DUP1	Duplicate	06/03/24
BF40114-MS1	Matrix Spike	06/03/24

**Batch ID:** BF40115      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	05/31/24
24E2071-02	Monitoring Well # MW-DG1.5-	05/31/24
24E2071-03	Monitoring Well # MW-DG1.5-	05/31/24
24E2071-04	Monitoring Well # MW-DG2-D	05/31/24
24E2071-05	Monitoring Well # MW-DG2-D	06/01/24
24E2071-06	Monitoring Well # MW-DG2-D	06/01/24
24E2071-07	Monitoring Well # MW-DG3-D	06/01/24
24E2071-08	Monitoring Well # MW-DG3-D	06/01/24
24E2071-09	Monitoring Well # MW-DG3-D	06/01/24



24E2071-10	Monitoring Well # DG-0.5	06/01/24
24E2071-11	Monitoring Well # DG-1.0	06/01/24
24E2071-12	Monitoring Well # DG-1.5	06/01/24
24E2071-13	Monitoring Well # DG-2	06/01/24
24E2071-14	Monitoring Well # DG-3	06/01/24
24E2071-15	Monitoring Well # B61	06/01/24
24E2071-17	Monitoring Well # WW PUMP	06/01/24
BF40115-BLK1	Blank	05/31/24
BF40115-BS1	LCS	05/31/24
BF40115-DUP1	Duplicate	05/31/24
BF40115-DUP2	Duplicate	05/31/24
BF40115-MS1	Matrix Spike	05/31/24
BF40115-MS2	Matrix Spike	05/31/24
BF40115-MSD1	Matrix Spike Dup	05/31/24
BF40115-MSD2	Matrix Spike Dup	05/31/24

**Batch ID:** BF40116      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	06/01/24
24E2071-02	Monitoring Well # MW-DG1.5-	06/01/24
24E2071-03	Monitoring Well # MW-DG1.5-	06/01/24
24E2071-04	Monitoring Well # MW-DG2-D	06/01/24
24E2071-05	Monitoring Well # MW-DG2-D	06/01/24
24E2071-06	Monitoring Well # MW-DG2-D	06/01/24
24E2071-07	Monitoring Well # MW-DG3-D	06/01/24
24E2071-08	Monitoring Well # MW-DG3-D	06/01/24
24E2071-09	Monitoring Well # MW-DG3-D	06/01/24
24E2071-10	Monitoring Well # DG-0.5	06/01/24
24E2071-11	Monitoring Well # DG-1.0	06/01/24
24E2071-12	Monitoring Well # DG-1.5	06/01/24
24E2071-13	Monitoring Well # DG-2	06/01/24
24E2071-14	Monitoring Well # DG-3	06/01/24
24E2071-15	Monitoring Well # B61	06/01/24
24E2071-16	Monitoring Well # B62	06/01/24
BF40116-BLK1	Blank	06/01/24
BF40116-BS1	LCS	06/01/24
BF40116-DUP1	Duplicate	06/01/24
BF40116-DUP2	Duplicate	06/01/24
BF40116-MS1	Matrix Spike	06/01/24
BF40116-MS2	Matrix Spike	06/01/24
BF40116-MSD1	Matrix Spike Dup	06/01/24
BF40116-MSD2	Matrix Spike Dup	06/01/24

**Batch ID:** BF40139      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-02	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-03	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-04	Monitoring Well # MW-DG2-D	06/04/24



24E2071-13	Monitoring Well # DG-2	06/04/24
24E2071-15	Monitoring Well # B61	06/04/24
BF40139-DUP1	Duplicate	06/04/24
BF40139-SRM1	Reference	06/04/24

**Batch ID:** BF40143      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-03	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-04	Monitoring Well # MW-DG2-D	06/04/24
24E2071-05	Monitoring Well # MW-DG2-D	06/04/24
24E2071-06	Monitoring Well # MW-DG2-D	06/04/24
24E2071-07	Monitoring Well # MW-DG3-D	06/04/24
24E2071-08	Monitoring Well # MW-DG3-D	06/04/24
24E2071-09	Monitoring Well # MW-DG3-D	06/04/24
24E2071-10	Monitoring Well # DG-0.5	06/04/24
24E2071-11	Monitoring Well # DG-1.0	06/04/24
24E2071-12	Monitoring Well # DG-1.5	06/04/24
24E2071-13	Monitoring Well # DG-2	06/04/24
24E2071-14	Monitoring Well # DG-3	06/04/24
24E2071-15	Monitoring Well # B61	06/04/24
24E2071-16	Monitoring Well # B62	06/04/24
24E2071-17	Monitoring Well # WW PUMP	06/04/24
BF40143-BLK1	Blank	06/04/24
BF40143-BS1	LCS	06/04/24
BF40143-DUP1	Duplicate	06/04/24
BF40143-MS1	Matrix Spike	06/04/24
BF40143-MSD1	Matrix Spike Dup	06/04/24

**Batch ID:** BF40174      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-02	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-03	Monitoring Well # MW-DG1.5-	06/04/24
24E2071-04	Monitoring Well # MW-DG2-D	06/04/24
24E2071-05	Monitoring Well # MW-DG2-D	06/04/24
24E2071-06	Monitoring Well # MW-DG2-D	06/04/24
24E2071-07	Monitoring Well # MW-DG3-D	06/04/24
24E2071-08	Monitoring Well # MW-DG3-D	06/04/24
24E2071-09	Monitoring Well # MW-DG3-D	06/04/24
24E2071-10	Monitoring Well # DG-0.5	06/04/24
24E2071-11	Monitoring Well # DG-1.0	06/04/24
24E2071-12	Monitoring Well # DG-1.5	06/04/24
BF40174-BLK1	Blank	06/04/24
BF40174-BS1	LCS	06/04/24
BF40174-DUP1	Duplicate	06/04/24
BF40174-MS1	Matrix Spike	06/04/24

**Batch ID:** BF40281      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD



YORK Sample ID	Client Sample ID	Preparation Date
24E2071-13	Monitoring Well # DG-2	06/05/24
24E2071-14	Monitoring Well # DG-3	06/05/24
24E2071-15	Monitoring Well # B61	06/05/24
24E2071-16	Monitoring Well # B62	06/05/24
24E2071-17	Monitoring Well # WW PUMP	06/05/24
BF40281-BLK1	Blank	06/05/24
BF40281-BS1	LCS	06/05/24
BF40281-DUP1	Duplicate	06/05/24
BF40281-MS1	Matrix Spike	06/05/24

**Batch ID:** BF40445      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-05	Monitoring Well # MW-DG2-D	06/07/24
24E2071-06	Monitoring Well # MW-DG2-D	06/07/24
24E2071-07	Monitoring Well # MW-DG3-D	06/07/24
24E2071-08	Monitoring Well # MW-DG3-D	06/07/24
24E2071-09	Monitoring Well # MW-DG3-D	06/07/24
24E2071-10	Monitoring Well # DG-0.5	06/07/24
24E2071-11	Monitoring Well # DG-1.0	06/07/24
24E2071-12	Monitoring Well # DG-1.5	06/07/24
24E2071-14	Monitoring Well # DG-3	06/07/24
24E2071-16	Monitoring Well # B62	06/07/24
24E2071-17	Monitoring Well # WW PUMP	06/07/24
BF40445-DUP1	Duplicate	06/07/24
BF40445-SRM1	Reference	06/07/24

**Batch ID:** BF40556      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E2071-01	Monitoring Well # MW-DG1.5-	06/10/24
24E2071-02	Monitoring Well # MW-DG1.5-	06/10/24
24E2071-03	Monitoring Well # MW-DG1.5-	06/10/24
24E2071-04	Monitoring Well # MW-DG2-D	06/10/24
24E2071-05	Monitoring Well # MW-DG2-D	06/10/24
24E2071-06	Monitoring Well # MW-DG2-D	06/10/24
24E2071-07	Monitoring Well # MW-DG3-D	06/10/24
24E2071-08	Monitoring Well # MW-DG3-D	06/10/24
24E2071-09	Monitoring Well # MW-DG3-D	06/10/24
24E2071-10	Monitoring Well # DG-0.5	06/10/24
24E2071-11	Monitoring Well # DG-1.0	06/10/24
24E2071-12	Monitoring Well # DG-1.5	06/10/24
24E2071-13	Monitoring Well # DG-2	06/10/24
24E2071-14	Monitoring Well # DG-3	06/10/24
24E2071-15	Monitoring Well # B61	06/10/24
24E2071-16	Monitoring Well # B62	06/10/24
24E2071-17	Monitoring Well # WW PUMP	06/10/24



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BF40072 - EPA 300**

**Blank (BF40072-BLK1)**

Prepared & Analyzed: 06/01/2024

Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								

**LCS (BF40072-BS1)**

Prepared & Analyzed: 06/01/2024

Nitrate as N	10.1	0.0500	mg/L	10.0		101	90-110				
Nitrite as N	9.94	0.0500	"	10.0		99.4	90-110				

**Duplicate (BF40072-DUP1)**

\*Source sample: 24E2071-16 (Monitoring Well # B62)

Prepared & Analyzed: 06/01/2024

Chloride	97.6	0.500	mg/L		104				6.72	15	
Nitrate as N	9.87	0.0500	"		9.78				0.910	15	
Nitrite as N	ND	0.0500	"		ND					15	

**Matrix Spike (BF40072-MS1)**

\*Source sample: 24E2071-16 (Monitoring Well # B62)

Prepared & Analyzed: 06/01/2024

Nitrate as N	19.5	0.0500	mg/L	10.0	9.78	97.0	90-110				
Nitrite as N	9.14	0.0500	"	10.0	ND	91.4	90-110				

**Matrix Spike Dup (BF40072-MSD1)**

\*Source sample: 24E2071-16 (Monitoring Well # B62)

Prepared & Analyzed: 06/01/2024

Nitrate as N	19.6	0.0500	mg/L	10.0	9.78	97.8	90-110		0.370	200	
Nitrite as N	9.15	0.0500	"	10.0	ND	91.5	90-110		0.0711	200	

**Batch BF40115 - EPA 300**

**Blank (BF40115-BLK1)**

Prepared & Analyzed: 05/31/2024

Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BF40115 - EPA 300</b>											
<b>LCS (BF40115-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 05/31/2024</span>											
Chloride	9.95	0.500	mg/L	10.0		99.5	90-110				
Nitrate as N	10.1	0.0500	"	10.0		101	90-110				
Nitrite as N	9.57	0.0500	"	10.0		95.7	90-110				
<b>Duplicate (BF40115-DUP1)</b> <span style="float:right">Prepared &amp; Analyzed: 05/31/2024</span>											
*Source sample: 24E2056-01 (Duplicate)											
Chloride	42.4	0.500	mg/L		42.7				0.513	15	
Nitrate as N	1.36	0.0500	"		1.36				0.0590	15	
Nitrite as N	0.0461	0.0500	"		0.0491				6.30	15	
<b>Duplicate (BF40115-DUP2)</b> <span style="float:right">Prepared &amp; Analyzed: 05/31/2024</span>											
*Source sample: 24E2056-02 (Duplicate)											
Chloride	40.0	0.500	mg/L		40.5				1.37	15	
Nitrate as N	0.0353	0.0500	"		0.0317				10.7	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BF40115-MS1)</b> <span style="float:right">Prepared &amp; Analyzed: 05/31/2024</span>											
*Source sample: 24E2056-01 (Matrix Spike)											
Chloride	48.7	0.500	mg/L	10.0	42.7	60.4	85-115	Low Bias			
Nitrate as N	11.5	0.0500	"	10.0	1.36	101	90-110				
Nitrite as N	9.85	0.0500	"	10.0	0.0491	98.0	90-110				
<b>Matrix Spike (BF40115-MS2)</b> <span style="float:right">Prepared &amp; Analyzed: 05/31/2024</span>											
*Source sample: 24E2056-02 (Matrix Spike)											
Chloride	46.4	0.500	mg/L	10.0	40.5	58.6	85-115	Low Bias			
Nitrate as N	9.11	0.0500	"	10.0	0.0317	90.8	90-110				
Nitrite as N	9.30	0.0500	"	10.0	ND	93.0	90-110				
<b>Matrix Spike Dup (BF40115-MSD1)</b> <span style="float:right">Prepared &amp; Analyzed: 05/31/2024</span>											
*Source sample: 24E2056-01 (Matrix Spike Dup)											
Chloride	48.8	0.500	mg/L	10.0	42.7	61.1	85-115	Low Bias	0.154	20	
Nitrate as N	11.3	0.0500	"	10.0	1.36	99.4	90-110		1.65	200	
Nitrite as N	9.73	0.0500	"	10.0	0.0491	96.8	90-110		1.22	200	



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BF40115 - EPA 300</b>											
<b>Matrix Spike Dup (BF40115-MSD2)</b>	*Source sample: 24E2056-02 (Matrix Spike Dup)						Prepared & Analyzed: 05/31/2024				
Chloride	47.1	0.500	mg/L	10.0	40.5	66.1	85-115	Low Bias	1.61	20	
Nitrate as N	10.3	0.0500	"	10.0	0.0317	103	90-110		12.2	200	
Nitrite as N	10.8	0.0500	"	10.0	ND	108	90-110		14.5	200	
<b>Batch BF40116 - EPA 300</b>											
<b>Blank (BF40116-BLK1)</b>							Prepared & Analyzed: 06/01/2024				
Chloride	ND	0.500	mg/L								
<b>LCS (BF40116-BS1)</b>							Prepared & Analyzed: 06/01/2024				
Chloride	10.4	0.500	mg/L	10.0		104	90-110				
<b>Duplicate (BF40116-DUP1)</b>	*Source sample: 24E2059-01 (Duplicate)						Prepared & Analyzed: 06/01/2024				
Chloride	76.2	0.500	mg/L		76.9				0.862	15	
<b>Duplicate (BF40116-DUP2)</b>	*Source sample: 24E2059-02 (Duplicate)						Prepared & Analyzed: 06/01/2024				
Chloride	76.0	0.500	mg/L		76.4				0.531	15	
<b>Matrix Spike (BF40116-MS1)</b>	*Source sample: 24E2059-01 (Matrix Spike)						Prepared & Analyzed: 06/01/2024				
Chloride	77.8	0.500	mg/L	10.0	76.9	8.92	85-115	Low Bias			
<b>Matrix Spike (BF40116-MS2)</b>	*Source sample: 24E2059-02 (Matrix Spike)						Prepared & Analyzed: 06/01/2024				
Chloride	78.6	0.500	mg/L	10.0	76.4	21.7	85-115	Low Bias			
<b>Matrix Spike Dup (BF40116-MSD1)</b>	*Source sample: 24E2059-01 (Matrix Spike Dup)						Prepared & Analyzed: 06/01/2024				
Chloride	78.1	0.500	mg/L	10.0	76.9	12.3	85-115	Low Bias	0.436	20	



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF40116 - EPA 300

Matrix Spike Dup (BF40116-MSD2)	*Source sample: 24E2059-02 (Matrix Spike Dup)						Prepared & Analyzed: 06/01/2024				
Chloride	78.5	0.500	mg/L	10.0	76.4	20.5	85-115	Low Bias	0.154	20	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD		
									RPD	Limit	Flag
<b>Batch BE42118 - Analysis Preparation</b>											
<b>Blank (BE42118-BLK1)</b> <span style="float:right">Prepared: 05/31/2024 Analyzed: 06/05/2024</span>											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
<b>Duplicate (BE42118-DUP1)</b> *Source sample: 24E2074-01 (Duplicate) <span style="float:right">Prepared: 05/31/2024 Analyzed: 06/05/2024</span>											
Biochemical Oxygen Demand (BOD) (5-Day)	ND	3.2	mg/L		ND						40
<b>Batch BF40114 - Analysis Preparation</b>											
<b>Blank (BF40114-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 06/03/2024</span>											
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BF40114-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 06/03/2024</span>											
Ammonia Nitrogen as N	1.05	0.0500	mg/L	1.00		105	85-125				
<b>Duplicate (BF40114-DUP1)</b> *Source sample: 24E2005-03 (Duplicate) <span style="float:right">Prepared &amp; Analyzed: 06/03/2024</span>											
Ammonia Nitrogen as N	0.204	0.0500	mg/L		0.207					1.46	15
<b>Matrix Spike (BF40114-MS1)</b> *Source sample: 24E2005-03 (Matrix Spike) <span style="float:right">Prepared &amp; Analyzed: 06/03/2024</span>											
Ammonia Nitrogen as N	10.3	0.0500	mg/L	10.0	0.207	101	80-120				
<b>Batch BF40139 - Analysis Preparation</b>											
<b>Duplicate (BF40139-DUP1)</b> *Source sample: 24E2071-15 (Monitoring Well # B61) <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>											
Alkalinity, total	64	2.0	mg/L		64					0.00	15
<b>Reference (BF40139-SRM1)</b> <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>											
Alkalinity, total	100		mg/L	95.2		106	90-110				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
<b>Batch BF40143 - Analysis Preparation</b>										
<b>Blank (BF40143-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>										
Ammonia Nitrogen as N	ND	0.0500	mg/L							
<b>LCS (BF40143-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>										
Ammonia Nitrogen as N	1.03	0.0500	mg/L	1.00		103	85-125			
<b>Duplicate (BF40143-DUP1)</b> *Source sample: 24E2020-01 (Duplicate) <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>										
Ammonia Nitrogen as N	0.204	0.0500	mg/L		0.196				4.00	15
<b>Matrix Spike (BF40143-MS1)</b> *Source sample: 24E2020-01 (Matrix Spike) <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>										
Ammonia Nitrogen as N	10.3	0.0500	mg/L	10.0	0.196	101	80-120			
<b>Matrix Spike Dup (BF40143-MSD1)</b> *Source sample: 24E2020-01 (Matrix Spike Dup) <span style="float:right">Prepared &amp; Analyzed: 06/04/2024</span>										
Ammonia Nitrogen as N	10.4	0.0500	mg/L	10.0	0.196	102	80-120		0.966	200
<b>Batch BF40174 - Analysis Prep for SAA</b>										
<b>Blank (BF40174-BLK1)</b> <span style="float:right">Prepared: 06/04/2024 Analyzed: 06/05/2024</span>										
Total Kjeldahl Nitrogen	ND	0.400	mg/L							
<b>LCS (BF40174-BS1)</b> <span style="float:right">Prepared: 06/04/2024 Analyzed: 06/05/2024</span>										
Total Kjeldahl Nitrogen	4.28		mg/L	5.00		85.7	70-130			
<b>Duplicate (BF40174-DUP1)</b> *Source sample: 24E1969-01 (Duplicate) <span style="float:right">Prepared: 06/04/2024 Analyzed: 06/05/2024</span>										
Total Kjeldahl Nitrogen	2.31	0.400	mg/L		2.49				7.50	20
<b>Matrix Spike (BF40174-MS1)</b> *Source sample: 24E1969-01 (Matrix Spike) <span style="float:right">Prepared: 06/04/2024 Analyzed: 06/05/2024</span>										
Total Kjeldahl Nitrogen	6.15	0.400	mg/L	5.00	2.49	73.2	70-130			



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BF40281 - Analysis Prep for SAA</b>											
<b>Blank (BF40281-BLK1)</b>											
Total Kjeldahl Nitrogen	ND	0.400	mg/L								Prepared: 06/05/2024 Analyzed: 06/06/2024
<b>LCS (BF40281-BS1)</b>											
Total Kjeldahl Nitrogen	4.48		mg/L	5.00		89.7	70-130				Prepared: 06/05/2024 Analyzed: 06/06/2024
<b>Duplicate (BF40281-DUP1)</b>											
*Source sample: 24E2071-13 (Monitoring Well # DG-2)											
Total Kjeldahl Nitrogen	2.80	0.400	mg/L		2.76					1.62	20
<b>Matrix Spike (BF40281-MS1)</b>											
*Source sample: 24E2071-13 (Monitoring Well # DG-2)											
Total Kjeldahl Nitrogen	7.20	0.400	mg/L	5.00	2.76	88.9	70-130				Prepared: 06/05/2024 Analyzed: 06/06/2024
<b>Batch BF40445 - Analysis Preparation</b>											
<b>Duplicate (BF40445-DUP1)</b>											
*Source sample: 24F0204-01 (Duplicate)											
Alkalinity, total	18	2.0	mg/L		18					0.00	15
<b>Reference (BF40445-SRM1)</b>											
Alkalinity, total	92	2.0	mg/L	95.2		96.6	90-110				Prepared & Analyzed: 06/07/2024





### Sample and Data Qualifiers Relating to This Work Order

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater than the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.

#### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

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ANALYTICAL LABORATORIES, INC.  
 120 RESEARCH DRIVE  
 STRATFORD, CT 06615  
 203.325.1371 FAX 203.357-0166

# Field Chain-of-Custody Record

24E2071

Company Name MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741		Report to: SAME		Invoice to: ATTN ACCOUNTS PAYABLE		Project ID/No. 2405360 Canoe Place Inn		Samples Collected by (signature) <i>CELENS</i>	
Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Analyses Requested	Name (printed)	Container Desc.
				Water	Soil	Air / Other			
001	Monitoring Well # MW-DG1.5-DP A	05/30/24	12:26 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
002	Monitoring Well # MW-DG1.5-DP B	05/30/24	12:40 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
003	Monitoring Well # MW-DG1.5-DP C	05/30/24	12:50 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
004	Monitoring Well # MW-DG2-DP C	05/30/24	1:12 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
005	Monitoring Well # MW-DG2-DP D	05/30/24	1:20 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
006	Monitoring Well # MW-DG2-DP E	05/30/24	1:29 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
007	Monitoring Well # MW-DG3-DP B	05/30/24	1:59 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
008	Monitoring Well # MW-DG3-DP D	05/30/24	2:08 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
009	Monitoring Well # MW-DG3-DP E	05/30/24	2:16 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
010	Monitoring Well # DG-0.5	05/30/24	2:47 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	

*M. Babcock* 5/31/24  
 Samples Relinquished by: *M. Babcock* 5/31/24 1645  
 Date/Time: 5/31/24 16:45  
 Date/Time: 5/31/24 16:45  
 Samples received in LAB by: *K. Babcock* 5/31/24  
 Date/Time: 5/31/24 16:45  
 Turn-Around Time Requested: Specify Date  
 Expected if RUSH Requested: DATE DUE FOR RUSH:  
 X STANDARD RUSH(Define)  
**Total # of Bottles for this PROJECT (COC This Page): 34 Bottles**  
**Please prepare a QA Summary Report**  
 Comments/Special Instructions USE LOCATION ID AS SAMPLE ID  
 Chain-of-Custody Record

# Field Chain-of-Custody Record

24E2071

<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741		<b>Report to:</b> SAME	<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE	<b>Project ID/No.</b> 2405360 <b>Canoe Place Inn</b>	Samples Collected by (signature) CLIENT
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Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix			Analyses Requested	Name (printed)	Container Desc.
				Water	Soil	Air / Other			
011	Monitoring Well # DG-1.0	05/30/24	3:19 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
012	Monitoring Well # DG-1.5	05/30/24	3:26 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
013	Monitoring Well # DG-2	05/30/24	12:03 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
014	Monitoring Well # DG-3	05/30/24	2:52 PM	X			BOD(5), Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-1000 mL, 1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
015	Monitoring Well # B61	05/30/24	10:52 AM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
016	Monitoring Well # B62	05/30/24	4:08 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	
017	Monitoring Well # WW PUMP STATION	05/30/24	2:45 PM	X			Alkalinity, Chlorides, Ammonia, Nitrite, Nitrate, Total Kjeldahl Nitrogen, Total Organic Nitrogen, Total Nitrogen	1-500 mL, 1-500 mL H2SO4, 1-250 mL No Headspace	

Bottles Relinquished from Lab by MURPHY 5/31/24 Date/Time	Samples Relinquished by Murphy 5/31/24 1645 Date/Time	Samples received by Babcock 5/31/24 Date/Time	Samples received in LAB by Babcock 5/31/24 16:45 2.00 Date/Time
Comments/Special Instructions USE LOCATION ID AS SAMPLE ID <b>Please prepare a QA Summary Report</b>		Turn-Around Time Requested: <u>Specify DATE</u> EXCEPT IF RUSH REQUESTED: <u>DATE DUE FOR RUSH</u>	
Total # of Bottles for this PROJECT (COC This Page) :		25 Bottles	



# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**

1170 Lincoln Avenue., Suite 4

Holbrook NY, 11741

**Attention: Brian Leshinger**

Report Date: 07/19/2024

**Client Project ID: 2407114**

York Project (SDG) No.: 24G0603

Revision No. 1.0

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/19/2024  
Client Project ID: 2407114  
York Project (SDG) No.: 24G0603

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 10, 2024 and listed below. The project was identified as your project: **2407114**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24G0603-01	Monitoring Well #BG1-1.5	Water	07/09/2024	07/10/2024
24G0603-02	Monitoring Well #Septic Tank Effluent at Last Manh	Water	07/09/2024	07/10/2024
24G0603-03	Monitoring Well #DG3	Water	07/09/2024	07/10/2024
24G0603-04	Monitoring Well #BG2	Water	07/09/2024	07/10/2024
24G0603-05	Monitoring Well #DG2	Water	07/09/2024	07/10/2024
24G0603-06	Monitoring Well #DG1.5	Water	07/09/2024	07/10/2024
24G0603-07	Monitoring Well #DG3.0 DP (45) D	Water	07/09/2024	07/10/2024
24G0603-08	Monitoring Well #DG1.0	Water	07/09/2024	07/10/2024
24G0603-09	Monitoring Well #DG3.0 DP (50) E	Water	07/09/2024	07/10/2024
24G0603-10	Monitoring Well #DG 0.5	Water	07/09/2024	07/10/2024
24G0603-11	Monitoring Well #DG1.5 DP A	Water	07/09/2024	07/10/2024
24G0603-12	Monitoring Well #DG1.5 DP B	Water	07/09/2024	07/10/2024
24G0603-13	Monitoring Well #DG1.5 DP C	Water	07/09/2024	07/10/2024

## **General Notes for York Project (SDG) No.: 24G0603**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:**



Cassie L. Mosher  
Laboratory Manager

**Date:** 07/19/2024





### Sample Information

**Client Sample ID:** Monitoring Well #BG1-1.5

**York Sample ID:** 24G0603-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24G0603	2407114	Water	July 9, 2024 10:28 am	07/10/2024

**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0501		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:26	07/11/2024 03:26	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:26	07/11/2024 03:26	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	530		mg/L	2.0	1	SM 2320B	07/11/2024 07:03	07/11/2024 14:54	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.21		mg/L	0.0500	1	SM 4500-NH3 D	07/15/2024 14:58	07/16/2024 18:15	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.32		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	2.37		mg/L	0.0500	1	SM 4500-N B	07/17/2024 09:25	07/17/2024 09:36	VR
							Certifications:			

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #BG1-1.5

**York Sample ID:** 24G0603-01

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 10:28 am	<u>Date Received</u> 07/10/2024
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**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.11		mg/L	0.100	1	SM 4500-N	07/17/2024 09:25	07/17/2024 09:36	VR
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well #Septic Tank Effluent at Last Manhole

**York Sample ID:** 24G0603-02

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 10:40 am	<u>Date Received</u> 07/10/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:37	07/11/2024 03:37	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:37	07/11/2024 03:37	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	740		mg/L	2.0	1	SM 2320B	07/11/2024 07:03	07/11/2024 14:54	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	30.4		mg/L	0.0500	1	SM 4500-NH3 D	07/15/2024 14:58	07/16/2024 18:15	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #Septic Tank Effluent at Last Manhole

**York Sample ID:** 24G0603-02

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 10:40 am	<u>Date Received</u> 07/10/2024
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**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	31.8		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	31.8		mg/L	0.0500	1	SM 4500-N B	07/17/2024 09:25	07/17/2024 09:36	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.40		mg/L	0.100	1	SM 4500-N	07/17/2024 09:25	07/17/2024 09:36	VR
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well #DG3

**York Sample ID:** 24G0603-03

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 11:24 am	<u>Date Received</u> 07/10/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0770		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:58	07/11/2024 03:58	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:58	07/11/2024 03:58	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well #DG3

York Sample ID: 24G0603-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 11:24 am, 07/10/2024

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Alkalinity, total, 180, mg/L, 2.0, 1, SM 2320B, 07/11/2024 07:03, 07/11/2024 14:54, PMB. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Ammonia Nitrogen as N, 0.931, mg/L, 0.0500, 1, SM 4500-NH3 D, 07/15/2024 14:58, 07/16/2024 18:15, NJO. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Total Kjeldahl Nitrogen, 1.13, mg/L, 0.400, 5, SM 4500-N Org D, 07/15/2024 17:09, 07/16/2024 14:50, TCD. Certifications: NELAC-NY10854, CTDOH-PH-0723, NJDEP-CT005, PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 1.21, mg/L, 0.0500, 1, SM 4500-N B, 07/17/2024 09:25, 07/17/2024 09:36, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 0.199, mg/L, 0.100, 1, SM 4500-N, 07/17/2024 09:25, 07/17/2024 09:36, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well #BG2

York Sample ID: 24G0603-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 11:25 am, 07/10/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well #BG2

**York Sample ID:** 24G0603-04

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 11:25 am	<u>Date Received</u> 07/10/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	7.59		mg/L	0.0500	1	EPA 300.0	07/11/2024 04:09	07/11/2024 04:09	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 04:09	07/11/2024 04:09	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	16		mg/L	2.0	1	SM 2320B	07/11/2024 07:03	07/11/2024 14:54	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.251		mg/L	0.0500	1	SM 4500-NH3 D	07/15/2024 14:58	07/16/2024 18:15	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.50		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	10.1		mg/L	0.0500	1	SM 4500-N B	07/17/2024 09:25	07/17/2024 09:36	VR
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	2.25		mg/L	0.100	1	SM 4500-N	07/17/2024 09:25	07/17/2024 09:36	VR
Certifications:										



### Sample Information

<b>Client Sample ID:</b> Monitoring Well #BG2					<b>York Sample ID:</b> 24G0603-04
<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 11:25 am	<u>Date Received</u> 07/10/2024	

### Sample Information

<b>Client Sample ID:</b> Monitoring Well #DG2					<b>York Sample ID:</b> 24G0603-05
<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 11:31 am	<u>Date Received</u> 07/10/2024	

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.157		mg/L	0.0500	1	EPA 300.0	07/11/2024 05:32	07/11/2024 05:32	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 05:32	07/11/2024 05:32	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	290		mg/L	2.0	1	SM 2320B	07/11/2024 07:03	07/11/2024 14:54	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	5.52		mg/L	0.0500	1	SM 4500-NH3 D	07/15/2024 14:58	07/16/2024 18:15	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	5.90		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: Monitoring Well #DG2

York Sample ID: 24G0603-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 11:31 am, 07/10/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 6.06, mg/L, 0.0500, 1, SM 4500-N B, 07/17/2024 09:25, 07/17/2024 09:36, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 0.380, mg/L, 0.100, 1, SM 4500-N, 07/17/2024 09:25, 07/17/2024 09:36, VR

Sample Information

Client Sample ID: Monitoring Well #DG1.5

York Sample ID: 24G0603-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 11:40 am, 07/10/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, 0.104, mg/L, 0.0500, 1, EPA 300.0, 07/11/2024 06:12, 07/11/2024 06:12, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 07/11/2024 06:12, 07/11/2024 06:12, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Alkalinity, total, 410, mg/L, 2.0, 1, SM 2320B, 07/11/2024 07:03, 07/11/2024 14:54, PMB

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well #DG1.5

York Sample ID: 24G0603-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 11:40 am, 07/10/2024

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7664-41-7, Ammonia Nitrogen as N, 8.48, mg/L, 0.0500, 1, SM 4500-NH3 D, 07/15/2024 14:58, 07/16/2024 18:15, NJO. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Total Kjeldahl Nitrogen, 11.0, mg/L, 0.400, 5, SM 4500-N Org D, 07/15/2024 17:09, 07/16/2024 14:50, TCD. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Nitrogen, 11.1, mg/L, 0.0500, 1, SM 4500-N B, 07/17/2024 09:25, 07/17/2024 09:36, VR. Certifications:

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: \* Total Organic Nitrogen, 2.52, mg/L, 0.100, 1, SM 4500-N, 07/17/2024 09:25, 07/17/2024 09:36, VR. Certifications:

Sample Information

Client Sample ID: Monitoring Well #DG3.0 DP (45) D

York Sample ID: 24G0603-07

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 11:50 am, 07/10/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 14797-55-8, Nitrate as N, 7.00, mg/L, 0.0500, 1, EPA 300.0, 07/11/2024 06:55, 07/11/2024 06:55, NJO. Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well #DG3.0 DP (45) D

**York Sample ID:** 24G0603-07

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 11:50 am	<u>Date Received</u> 07/10/2024
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**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	07/11/2024 06:55	07/11/2024 06:55	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	100		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/11/2024 07:03	07/11/2024 14:54	PMB

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.166		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/15/2024 14:58	07/16/2024 18:15	NJO

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.15		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/15/2024 17:09	07/16/2024 14:50	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	8.15		mg/L	0.0500	1	SM 4500-N B Certifications:	07/17/2024 09:25	07/17/2024 09:36	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.984		mg/L	0.100	1	SM 4500-N Certifications:	07/17/2024 09:25	07/17/2024 09:36	VR



### Sample Information

**Client Sample ID:** Monitoring Well #DG1.0

**York Sample ID:** 24G0603-08

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 11:51 am	<u>Date Received</u> 07/10/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	3.31		mg/L	0.0500	1	EPA 300.0	07/11/2024 07:16	07/11/2024 07:16	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 07:16	07/11/2024 07:16	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440			

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	140		mg/L	2.0	1	SM 2320B	07/11/2024 07:03	07/11/2024 14:54	PMB	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	0.179		mg/L	0.0500	1	SM 4500-NH3 D	07/15/2024 14:58	07/16/2024 18:15	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	1.02		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	4.33		mg/L	0.0500	1	SM 4500-N B	07/17/2024 09:25	07/17/2024 09:36	VR	
							Certifications:				

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Organic Nitrogen	0.841		mg/L	0.100	1	SM 4500-N	07/17/2024 09:25	07/17/2024 09:36	VR	
							Certifications:				



Sample Information

Client Sample ID: Monitoring Well #DG1.0

York Sample ID: 24G0603-08

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Sample Information

Client Sample ID: Monitoring Well #DG3.0 DP (50) E

York Sample ID: 24G0603-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: Monitoring Well #DG3.0 DP (50) E

York Sample ID: 24G0603-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 12:00 pm, 07/10/2024

Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Nitrogen, 12.0, mg/L, 0.0500, 1, SM 4500-N B, 07/17/2024 09:25, 07/17/2024 09:36, VR

Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: \* Total Organic Nitrogen, 1.56, mg/L, 0.100, 1, SM 4500-N, 07/17/2024 09:25, 07/17/2024 09:36, VR

Sample Information

Client Sample ID: Monitoring Well #DG 0.5

York Sample ID: 24G0603-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 24G0603, 2407114, Water, July 9, 2024 12:02 pm, 07/10/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-55-8 Nitrate as N, 6.01, mg/L, 0.0500, 1, EPA 300.0, 07/11/2024 07:37, 07/11/2024 07:37, NJO

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 14797-65-0 Nitrite as N, ND, mg/L, 0.0500, 1, EPA 300.0, 07/11/2024 07:37, 07/11/2024 07:37, NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Alkalinity, total, 40, mg/L, 2.0, 1, SM 2320B, 07/12/2024 07:17, 07/12/2024 15:44, PMB

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Monitoring Well #DG 0.5

**York Sample ID:** 24G0603-10

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 12:02 pm	<u>Date Received</u> 07/10/2024
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#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/16/2024 10:37	07/16/2024 11:23	TCD

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.33		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/15/2024 17:09	07/16/2024 14:50	TCD

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	7.34		mg/L	0.0500	1	SM 4500-N B Certifications:	07/17/2024 09:25	07/17/2024 09:36	VR

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.33		mg/L	0.100	1	SM 4500-N Certifications:	07/17/2024 09:25	07/17/2024 09:36	VR

### Sample Information

**Client Sample ID:** Monitoring Well #DG1.5 DP A

**York Sample ID:** 24G0603-11

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 12:23 pm	<u>Date Received</u> 07/10/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	5.01		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/11/2024 07:59	07/11/2024 07:59	NJO

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #DG1.5 DP A

**York Sample ID:** 24G0603-11

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 12:23 pm	<u>Date Received</u> 07/10/2024
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**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	07/11/2024 07:59	07/11/2024 07:59	NJO

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	230		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/12/2024 07:17	07/12/2024 15:44	PMB

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	8.15		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/16/2024 10:37	07/16/2024 11:23	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	9.30		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	07/15/2024 17:09	07/16/2024 14:50	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	14.3		mg/L	0.0500	1	SM 4500-N B Certifications:	07/17/2024 09:25	07/17/2024 09:36	VR

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.15		mg/L	0.100	1	SM 4500-N Certifications:	07/17/2024 09:25	07/17/2024 09:36	VR



### Sample Information

**Client Sample ID:** Monitoring Well #DG1.5 DP B

**York Sample ID:** 24G0603-12

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 12:37 pm	<u>Date Received</u> 07/10/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	8.38		mg/L	0.0500	1	EPA 300.0	07/11/2024 08:20	07/11/2024 08:20	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 08:20	07/11/2024 08:20	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440			

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	110		mg/L	2.0	1	SM 2320B	07/12/2024 07:17	07/12/2024 15:44	PMB	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	2.85		mg/L	0.0500	1	SM 4500-NH3 D	07/16/2024 10:37	07/16/2024 11:23	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	3.38		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	11.8		mg/L	0.0500	1	SM 4500-N B	07/17/2024 09:25	07/17/2024 09:36	VR	
							Certifications:				

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Organic Nitrogen	0.530		mg/L	0.100	1	SM 4500-N	07/17/2024 09:25	07/17/2024 09:36	VR	
							Certifications:				



**Sample Information**

**Client Sample ID:** Monitoring Well #DG1.5 DP B

**York Sample ID:** 24G0603-12

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 12:37 pm	<u>Date Received</u> 07/10/2024
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**Sample Information**

**Client Sample ID:** Monitoring Well #DG1.5 DP C

**York Sample ID:** 24G0603-13

<u>York Project (SDG) No.</u> 24G0603	<u>Client Project ID</u> 2407114	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 9, 2024 12:45 pm	<u>Date Received</u> 07/10/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	11.3		mg/L	0.0500	1	EPA 300.0	07/11/2024 08:53	07/11/2024 08:53	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 08:53	07/11/2024 08:53	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	26		mg/L	2.0	1	SM 2320B	07/12/2024 07:17	07/12/2024 15:44	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	07/16/2024 10:37	07/16/2024 11:23	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.04		mg/L	0.400	5	SM 4500-N Org D	07/15/2024 17:09	07/16/2024 14:50	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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**Sample Information**

**Client Sample ID:** Monitoring Well #DG1.5 DP C

**York Sample ID:** 24G0603-13

York Project (SDG) No.  
24G0603

Client Project ID  
2407114

Matrix  
Water

Collection Date/Time  
July 9, 2024 12:45 pm

Date Received  
07/10/2024

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		13.5		mg/L	0.0500	1	SM 4500-N B	07/17/2024 09:25	07/17/2024 09:36	VR

Certifications:

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		2.24		mg/L	0.100	1	SM 4500-N	07/17/2024 09:25	07/17/2024 09:36	VR

Certifications:



## Analytical Batch Summary

**Batch ID:** BG40715

**Preparation Method:** Analysis Preparation

**Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-01	Monitoring Well #BG1-1.5	07/11/24
24G0603-02	Monitoring Well #Septic Tank I	07/11/24
24G0603-03	Monitoring Well #DG3	07/11/24
24G0603-04	Monitoring Well #BG2	07/11/24
24G0603-05	Monitoring Well #DG2	07/11/24
24G0603-06	Monitoring Well #DG1.5	07/11/24
24G0603-07	Monitoring Well #DG3.0 DP (4	07/11/24
24G0603-08	Monitoring Well #DG1.0	07/11/24
24G0603-09	Monitoring Well #DG3.0 DP (5	07/11/24
BG40715-DUP1	Duplicate	07/11/24
BG40715-SRM1	Reference	07/11/24

**Batch ID:** BG40781

**Preparation Method:** EPA 300

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-01	Monitoring Well #BG1-1.5	07/11/24
24G0603-02	Monitoring Well #Septic Tank I	07/11/24
24G0603-03	Monitoring Well #DG3	07/11/24
24G0603-04	Monitoring Well #BG2	07/11/24
BG40781-BLK1	Blank	07/10/24
BG40781-BS1	LCS	07/10/24
BG40781-DUP1	Duplicate	07/10/24
BG40781-DUP2	Duplicate	07/10/24
BG40781-MS1	Matrix Spike	07/10/24
BG40781-MS2	Matrix Spike	07/11/24
BG40781-MSD1	Matrix Spike Dup	07/10/24
BG40781-MSD2	Matrix Spike Dup	07/11/24

**Batch ID:** BG40782

**Preparation Method:** EPA 300

**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-05	Monitoring Well #DG2	07/11/24
24G0603-06	Monitoring Well #DG1.5	07/11/24
24G0603-07	Monitoring Well #DG3.0 DP (4	07/11/24
24G0603-08	Monitoring Well #DG1.0	07/11/24
24G0603-09	Monitoring Well #DG3.0 DP (5	07/11/24
24G0603-10	Monitoring Well #DG 0.5	07/11/24
24G0603-11	Monitoring Well #DG1.5 DP A	07/11/24
24G0603-12	Monitoring Well #DG1.5 DP B	07/11/24
24G0603-13	Monitoring Well #DG1.5 DP C	07/11/24
BG40782-BLK1	Blank	07/11/24
BG40782-BS1	LCS	07/11/24
BG40782-DUP1	Duplicate	07/11/24
BG40782-DUP2	Duplicate	07/11/24
BG40782-MS1	Matrix Spike	07/11/24



BG40782-MS2 Matrix Spike 07/11/24  
BG40782-MSD1 Matrix Spike Dup 07/11/24  
BG40782-MSD2 Matrix Spike Dup 07/11/24

**Batch ID:** BG40801 **Preparation Method:** Analysis Preparation **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-10	Monitoring Well #DG 0.5	07/12/24
24G0603-11	Monitoring Well #DG1.5 DP A	07/12/24
24G0603-12	Monitoring Well #DG1.5 DP B	07/12/24
24G0603-13	Monitoring Well #DG1.5 DP C	07/12/24
BG40801-DUP1	Duplicate	07/12/24
BG40801-SRM1	Reference	07/12/24

**Batch ID:** BG40945 **Preparation Method:** Analysis Prep for SAA **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-01	Monitoring Well #BG1-1.5	07/15/24
24G0603-02	Monitoring Well #Septic Tank I	07/15/24
24G0603-03	Monitoring Well #DG3	07/15/24
24G0603-04	Monitoring Well #BG2	07/15/24
24G0603-05	Monitoring Well #DG2	07/15/24
24G0603-06	Monitoring Well #DG1.5	07/15/24
24G0603-07	Monitoring Well #DG3.0 DP (4	07/15/24
24G0603-08	Monitoring Well #DG1.0	07/15/24
24G0603-09	Monitoring Well #DG3.0 DP (5	07/15/24
24G0603-10	Monitoring Well #DG 0.5	07/15/24
24G0603-11	Monitoring Well #DG1.5 DP A	07/15/24
24G0603-12	Monitoring Well #DG1.5 DP B	07/15/24
24G0603-13	Monitoring Well #DG1.5 DP C	07/15/24
BG40945-BLK1	Blank	07/15/24
BG40945-BS1	LCS	07/15/24
BG40945-DUP1	Duplicate	07/15/24
BG40945-MS1	Matrix Spike	07/15/24

**Batch ID:** BG40963 **Preparation Method:** Analysis Preparation **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-01	Monitoring Well #BG1-1.5	07/15/24
24G0603-02	Monitoring Well #Septic Tank I	07/15/24
24G0603-03	Monitoring Well #DG3	07/15/24
24G0603-04	Monitoring Well #BG2	07/15/24
24G0603-05	Monitoring Well #DG2	07/15/24
24G0603-06	Monitoring Well #DG1.5	07/15/24
24G0603-07	Monitoring Well #DG3.0 DP (4	07/15/24
24G0603-08	Monitoring Well #DG1.0	07/15/24
24G0603-09	Monitoring Well #DG3.0 DP (5	07/15/24
BG40963-BLK1	Blank	07/15/24
BG40963-BS1	LCS	07/15/24
BG40963-DUP1	Duplicate	07/15/24



BG40963-MS1 Matrix Spike 07/15/24  
 BG40963-MSD1 Matrix Spike Dup 07/15/24

**Batch ID:** BG40996 **Preparation Method:** Analysis Preparation **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-10	Monitoring Well #DG 0.5	07/16/24
24G0603-11	Monitoring Well #DG1.5 DP A	07/16/24
24G0603-12	Monitoring Well #DG1.5 DP B	07/16/24
24G0603-13	Monitoring Well #DG1.5 DP C	07/16/24
BG40996-BLK1	Blank	07/16/24
BG40996-BS1	LCS	07/16/24
BG40996-DUP1	Duplicate	07/16/24
BG40996-MS1	Matrix Spike	07/16/24
BG40996-MSD1	Matrix Spike Dup	07/16/24

**Batch ID:** BG41113 **Preparation Method:** Analysis Prep for SAA **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24G0603-01	Monitoring Well #BG1-1.5	07/17/24
24G0603-02	Monitoring Well #Septic Tank I	07/17/24
24G0603-03	Monitoring Well #DG3	07/17/24
24G0603-04	Monitoring Well #BG2	07/17/24
24G0603-05	Monitoring Well #DG2	07/17/24
24G0603-06	Monitoring Well #DG1.5	07/17/24
24G0603-07	Monitoring Well #DG3.0 DP (4	07/17/24
24G0603-08	Monitoring Well #DG1.0	07/17/24
24G0603-09	Monitoring Well #DG3.0 DP (5	07/17/24
24G0603-10	Monitoring Well #DG 0.5	07/17/24
24G0603-11	Monitoring Well #DG1.5 DP A	07/17/24
24G0603-12	Monitoring Well #DG1.5 DP B	07/17/24
24G0603-13	Monitoring Well #DG1.5 DP C	07/17/24



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG40781 - EPA 300</b>											
<b>Blank (BG40781-BLK1)</b> <span style="float:right">Prepared &amp; Analyzed: 07/10/2024</span>											
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BG40781-BS1)</b> <span style="float:right">Prepared &amp; Analyzed: 07/10/2024</span>											
Nitrate as N	11.0	0.0500	mg/L	10.0		110	90-110				
Nitrite as N	10.6	0.0500	"	10.0		106	90-110				
<b>Duplicate (BG40781-DUP1)</b> *Source sample: 24G0607-01 (Duplicate) <span style="float:right">Prepared &amp; Analyzed: 07/10/2024</span>											
Nitrate as N	0.0271	0.0500	mg/L		0.0267				1.49	15	
Nitrite as N	0.0492	0.0500	"		0.0427				14.1	15	
<b>Duplicate (BG40781-DUP2)</b> *Source sample: 24G0607-02 (Duplicate) <span style="float:right">Prepared &amp; Analyzed: 07/10/2024</span>											
Nitrate as N	0.0177	0.0500	mg/L		0.0195				9.68	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BG40781-MS1)</b> *Source sample: 24G0607-01 (Matrix Spike) <span style="float:right">Prepared &amp; Analyzed: 07/10/2024</span>											
Nitrate as N	10.4	0.0500	mg/L	10.0	0.0267	104	90-110				
Nitrite as N	10.0	0.0500	"	10.0	0.0427	99.9	90-110				
<b>Matrix Spike (BG40781-MS2)</b> *Source sample: 24G0607-02 (Matrix Spike) <span style="float:right">Prepared &amp; Analyzed: 07/11/2024</span>											
Nitrate as N	10.1	0.0500	mg/L	10.0	0.0195	101	90-110				
Nitrite as N	9.94	0.0500	"	10.0	ND	99.4	90-110				
<b>Matrix Spike Dup (BG40781-MSD1)</b> *Source sample: 24G0607-01 (Matrix Spike Dup) <span style="float:right">Prepared &amp; Analyzed: 07/10/2024</span>											
Nitrate as N	10.5	0.0500	mg/L	10.0	0.0267	105	90-110		0.846	200	
Nitrite as N	10.1	0.0500	"	10.0	0.0427	101	90-110		1.02	200	
<b>Matrix Spike Dup (BG40781-MSD2)</b> *Source sample: 24G0607-02 (Matrix Spike Dup) <span style="float:right">Prepared &amp; Analyzed: 07/11/2024</span>											
Nitrate as N	10.2	0.0500	mg/L	10.0	0.0195	102	90-110		0.912	200	
Nitrite as N	10.4	0.0500	"	10.0	ND	104	90-110		4.06	200	



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG40782 - EPA 300</b>											
<b>Blank (BG40782-BLK1)</b>											Prepared & Analyzed: 07/11/2024
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BG40782-BS1)</b>											Prepared & Analyzed: 07/11/2024
Nitrate as N	10.9	0.0500	mg/L	10.0		109	90-110				
Nitrite as N	10.7	0.0500	"	10.0		107	90-110				
<b>Duplicate (BG40782-DUP1)</b>											*Source sample: 24G0613-01 (Duplicate) Prepared & Analyzed: 07/11/2024
Nitrate as N	1.45	0.0500	mg/L		1.45				0.345	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Duplicate (BG40782-DUP2)</b>											*Source sample: 24G0603-05 (Monitoring Well #DG2) Prepared & Analyzed: 07/11/2024
Nitrate as N	0.154	0.0500	mg/L		0.157				2.32	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BG40782-MS1)</b>											*Source sample: 24G0613-01 (Matrix Spike) Prepared & Analyzed: 07/11/2024
Nitrate as N	12.5	0.0500	mg/L	10.0	1.45	110	90-110				
Nitrite as N	9.65	0.0500	"	10.0	ND	96.5	90-110				
<b>Matrix Spike (BG40782-MS2)</b>											*Source sample: 24G0603-05 (Monitoring Well #DG2) Prepared & Analyzed: 07/11/2024
Nitrate as N	9.63	0.0500	mg/L	10.0	0.157	94.7	90-110				
Nitrite as N	9.89	0.0500	"	10.0	ND	98.9	90-110				
<b>Matrix Spike Dup (BG40782-MSD1)</b>											*Source sample: 24G0613-01 (Matrix Spike Dup) Prepared & Analyzed: 07/11/2024
Nitrate as N	12.5	0.0500	mg/L	10.0	1.45	111	90-110	High Bias	0.330	200	
Nitrite as N	10.5	0.0500	"	10.0	ND	105	90-110		8.58	200	
<b>Matrix Spike Dup (BG40782-MSD2)</b>											*Source sample: 24G0603-05 (Monitoring Well #DG2) Prepared & Analyzed: 07/11/2024
Nitrate as N	9.58	0.0500	mg/L	10.0	0.157	94.3	90-110		0.461	200	
Nitrite as N	9.17	0.0500	"	10.0	ND	91.7	90-110		7.50	200	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG40715 - Analysis Preparation</b>											
<b>Duplicate (BG40715-DUP1)</b>	*Source sample: 24G0605-01 (Duplicate)						Prepared & Analyzed: 07/11/2024				
Alkalinity, total	64	2.0	mg/L		68				6.06	15	
<b>Reference (BG40715-SRM1)</b>							Prepared & Analyzed: 07/11/2024				
Alkalinity, total	96	2.0	mg/L	95.2		101	90-110				
<b>Batch BG40801 - Analysis Preparation</b>											
<b>Duplicate (BG40801-DUP1)</b>	*Source sample: 24G0677-03 (Duplicate)						Prepared & Analyzed: 07/12/2024				
Alkalinity, total	380	2.0	mg/L		380				0.00	15	
<b>Reference (BG40801-SRM1)</b>							Prepared & Analyzed: 07/12/2024				
Alkalinity, total	96	2.0	mg/L	95.2		101	90-110				
<b>Batch BG40945 - Analysis Prep for SAA</b>											
<b>Blank (BG40945-BLK1)</b>							Prepared: 07/15/2024 Analyzed: 07/16/2024				
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BG40945-BS1)</b>							Prepared: 07/15/2024 Analyzed: 07/16/2024				
Total Kjeldahl Nitrogen	4.27		mg/L	5.00		85.4	70-130				
<b>Duplicate (BG40945-DUP1)</b>	*Source sample: 24G0579-03 (Duplicate)						Prepared: 07/15/2024 Analyzed: 07/16/2024				
Total Kjeldahl Nitrogen	ND	0.400	mg/L		ND					20	
<b>Matrix Spike (BG40945-MS1)</b>	*Source sample: 24G0579-03 (Matrix Spike)						Prepared: 07/15/2024 Analyzed: 07/16/2024				
Total Kjeldahl Nitrogen	3.73	0.400	mg/L	5.00	ND	74.6	70-130				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG40963 - Analysis Preparation**

<b>Blank (BG40963-BLK1)</b>											Prepared: 07/15/2024 Analyzed: 07/16/2024	
Ammonia Nitrogen as N	ND	0.0500	mg/L									
<b>LCS (BG40963-BS1)</b>											Prepared: 07/15/2024 Analyzed: 07/16/2024	
Ammonia Nitrogen as N	1.06	0.0500	mg/L	1.00		106	85-125					
<b>Duplicate (BG40963-DUP1)</b>											*Source sample: 24G0538-01 (Duplicate) Prepared: 07/15/2024 Analyzed: 07/16/2024	
Ammonia Nitrogen as N	33.0	0.0500	mg/L		32.6				1.22	15		
<b>Matrix Spike (BG40963-MS1)</b>											*Source sample: 24G0538-01 (Matrix Spike) Prepared: 07/15/2024 Analyzed: 07/16/2024	
Ammonia Nitrogen as N	43.1	0.0500	mg/L	10.0	32.6	105	80-120					
<b>Matrix Spike Dup (BG40963-MSD1)</b>											*Source sample: 24G0538-01 (Matrix Spike Dup) Prepared: 07/15/2024 Analyzed: 07/16/2024	
Ammonia Nitrogen as N	44.6	0.0500	mg/L	10.0	32.6	120	80-120		3.42	200		

**Batch BG40996 - Analysis Preparation**

<b>Blank (BG40996-BLK1)</b>											Prepared & Analyzed: 07/16/2024	
Ammonia Nitrogen as N	ND	0.0500	mg/L									
<b>LCS (BG40996-BS1)</b>											Prepared & Analyzed: 07/16/2024	
Ammonia Nitrogen as N	0.976	0.0500	mg/L	1.00		97.6	85-125					
<b>Duplicate (BG40996-DUP1)</b>											*Source sample: 24G0528-03 (Duplicate) Prepared & Analyzed: 07/16/2024	
Ammonia Nitrogen as N	0.324	0.0500	mg/L		0.318				1.87	15		
<b>Matrix Spike (BG40996-MS1)</b>											*Source sample: 24G0528-03 (Matrix Spike) Prepared & Analyzed: 07/16/2024	
Ammonia Nitrogen as N	10.7	0.0500	mg/L	10.0	0.318	104	80-120					



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BG40996 - Analysis Preparation**

<b>Matrix Spike Dup (BG40996-MSD1)</b>	*Source sample: 24G0528-03 (Matrix Spike Dup)						Prepared & Analyzed: 07/16/2024				
Ammonia Nitrogen as N	10.7	0.0500	mg/L	10.0	0.318	104	80-120		0.00	200	





## Sample and Data Qualifiers Relating to This Work Order

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Revision Description: corrected Sample ID's per client



ANALYTICAL LABORATORIES, INC.  
 120 RESEARCH DRIVE  
 STRATFORD, CT 06615  
 203.325.1371 FAX 203.357-0166

# Field Chain-of-Custody Record 24G0603

<b>Company Name</b> MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	<b>Report to:</b> SAME	<b>Project ID/No.</b> 2407114 Canoe Place Inn Monitoring Well Samples	<b>CLIENT</b> CELENS
<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE		<b>Samples Collected by (signature)</b>	
<b>Location/ID</b>		<b>Analyses Requested</b>	
<b>Sample No.</b>	<b>Date Sampled</b>	<b>Time Sampled</b>	<b>Container Desc.</b>

Sample No.	Date Sampled	Time Sampled	Location/ID	Sample Matrix			Analyses Requested	Container Desc.
				Water	Soil	Air/Other		
001	07/09/24	10:28 AM	B61-1.5	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL H2SO4
002	07/09/24	10:40 AM	Septic Tank Effluent at Last Manhole	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
003	07/09/24	11:24 AM	D63	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
004	07/09/24	11:25 AM	B62	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
005	07/09/24	11:31 AM	D62	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
006	07/09/24	11:40 AM	D61.5	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
007	07/09/24	11:50 AM	D63.0 DP (45) D	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
008	07/09/24	11:51 AM	D61.0	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
009	07/09/24	12:00 PM	D63.0 DP (50) E	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
010	07/09/24	12:02 PM	D6 0.5	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: MORSE Date/Time: 7/10/24 7:10:24 PM

Bottles received in field by: SKADYAK 7/10/24 Date/Time: 16:55

Turn-Around Time Requested: 7-10-24 2PM Date/Time: 16:55

Expected if RUSH Requested: DATE DUE FOR RUSH: 2.7C

**Total # of Bottles for this PROJECT (COC This Page):**

30

Bottles

STANDARD RUSH(Define)

Comments/Special Instructions **USE LOCATION ID AS SAMPLE ID**

# Field Chain-of-Custody Record 24G0603

Sample No.	Company Name MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	Location/ID	Report to: SAME	Date Sampled	Time Sampled	Invoice to: ATTN ACCOUNTS PAYABLE			Project ID/No. 2407114 Canoe Place Inn Monitoring Well Samples	Analyses Requested	Container Desc.	Samples Collected by (signature) <i>CEJEN</i>
						Water	Soil	Air/Other				
011		D61.5 DP A		07/09/24	12:23 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
012		D61.5 DP B		07/09/24	12:37 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4	
013		D61.5 DPC		07/09/24	12:45 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4	

**Chain-of-Custody Record**

Bottles Relinquished from Lab by M. DeLoe Date/Time 7/10/24 1655  
 Samples Relinquished by K. Babcock Date/Time 7/10/24 1655

Bottles received in field by K. Babcock Date/Time 7/10/24 16:55  
 Samples received in LAB by AR Date/Time 7/10/24 16:55

Turn-Around Time Requested-Specify Date \_\_\_\_\_  
 Expected if RUSH Requested- DATE DUE FOR RUSH: \_\_\_\_\_

**Total # of Bottles for this PROJECT (COC This Page) :** 9 Bottles

STANDARD \_\_\_\_\_ RUSH(Define) 2.7c

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 203.325.1371 FAX 203.357-0166

## Field Chain-of-Custody Record

<b>Company Name</b> <b>MAXIMUM ENVIRONMENTAL</b> 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	<b>Report to:</b> SAME	<b>Invoice to:</b> ATTN ACCOUNTS PAYABLE	<b>Project ID/No.</b> 2407114 Canoe Place Inn Monitoring Well Samples	<i>CLIENT</i> Samples Collected by (signature)
				<b>CLIENT</b>

Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix				Analyses Requested	Container Desc.
				Water	Soil	Air	Other		
001	Monitoring Well # BG1-1.5	07/09/24	10:28 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
002	Monitoring Well # Septic Tank Effluent at Last Manhole	07/09/24	10:40 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
003	Monitoring Well # DG3	07/09/24	11:24 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
004	Monitoring Well # BG2	07/09/24	11:25 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
005	Monitoring Well # DG2	07/09/24	11:31 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
006	Monitoring Well # DG1.5	07/09/24	11:40 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
007	Monitoring Well # DG3.0 (45) D	07/09/24	11:50 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
008	Monitoring Well # DG1.0	07/09/24	11:51 AM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
009	Monitoring Well # DG3.0 DP (50) E	07/09/24	12:00 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4
010	Monitoring Well # DG 0.5	07/09/24	12:02 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-250 mL H2SO4

<b>Chain-of-Custody Record</b> Bottles Relinquished from Lab by _____ Date/Time _____ Bottles received in field by _____ Date/Time _____		Samples Relinquished by _____ Date/Time _____ Samples Relinquished by _____ Date/Time _____		Samples received by _____ Date/Time _____ Samples received in LAB by _____ Date/Time _____	
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Comments/Special Instructions <b>USE LOCATION ID AS SAMPLE ID</b>	<b>Total # of Bottles for this PROJECT (COC This Page) :</b> <p style="text-align: center; font-size: 24px; color: red;"><b>30</b></p> <p style="text-align: center;"><b>Bottles</b></p>	Turn-Around Time Requested- <u>Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:</u> _____ STANDARD _____ RUSH(Define)_____
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ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE

STRATFORD, CT 06615

203.325.1371 FAX 203.357-0166

# Field Chain-of-Custody Record

<b>Company Name</b> <b>MAXIMUM ENVIRONMENTAL</b> 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	<b>Report to:</b> <p style="text-align: center;"><b>SAME</b></p>	<b>Invoice to:</b> <p style="text-align: center;"><b>ATTN ACCOUNTS PAYABLE</b></p>	<b>Project ID/No.</b> <p style="text-align: center;"><b>2407114</b></p> Canoe Place Inn Monitoring Well Samples	<p><i>CLIENT</i></p> <hr/> Samples Collected by (signature)  <p style="text-align: center;"><b>CLIENT</b></p>
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Sample No.	Location/ID	Date Sampled	Time Sampled	Sample Matrix				Analyses Requested	Container Desc.
				Water	Soil	Air	Other		
011	Monitoring Well # DG1.5 DP A	07/09/24	12:23 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen , Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL , 1-250 mL, 1-250 mL H2SO4
012	Monitoring Well # DG1.5 DP B	07/09/24	12:37 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen , Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL , 1-250 mL, 1-250 mL H2SO4
013	Monitoring Well # DG1.5 DPC	07/09/24	12:45 PM	X				Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen , Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL , 1-250 mL, 1-250 mL H2SO4

<b>Chain-of-Custody Record</b> <hr/> Bottles Relinquished from Lab by _____ Date/Time _____ <hr/> Bottles received in field by _____ Date/Time _____	<hr/> Samples Relinquished by _____ Date/Time _____ <hr/> Samples Relinquished by _____ Date/Time _____	<hr/> Samples received by _____ Date/Time _____ <hr/> Samples received in LAB by _____ Date/Time _____
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Comments/Special Instructions <b>USE LOCATION ID AS SAMPLE ID</b>	<b>Total # of Bottles for this PROJECT (COC This Page) :</b>  <span style="font-size: 24pt; color: red;"><b>9</b></span> <b>Bottles</b>	Turn-Around Time Requested- <u>Specify Date</u> Expected if RUSH Requested: <b>DATE DUE FOR RUSH:</b>  _____ STANDARD _____
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# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**

1170 Lincoln Avenue., Suite 4

Holbrook NY, 11741

**Attention: Brian Leshinger**

Report Date: 07/15/2024

**Client Project ID: 2407114-A**

York Project (SDG) No.: 24G0605

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

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[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/15/2024  
Client Project ID: 2407114-A  
York Project (SDG) No.: 24G0605

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 10, 2024 and listed below. The project was identified as your project: **2407114-A**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24G0605-01	Monitoring Well #DF3	Water	07/09/2024	07/10/2024

## General Notes for York Project (SDG) No.: 24G0605

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher  
Laboratory Manager

Date: 07/15/2024





### Sample Information

**Client Sample ID:** Monitoring Well #DF3 **York Sample ID:** 24G0605-01

**York Project (SDG) No.:** 24G0605 **Client Project ID:** 2407114-A **Matrix:** Water **Collection Date/Time:** July 9, 2024 11:01 am **Date Received:** 07/10/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-55-8	Nitrate as N	7.51		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:48	07/11/2024 03:48	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	07/11/2024 03:48	07/11/2024 03:48	NJO	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440			

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Alkalinity, total	68		mg/L	2.0	1	SM 2320B	07/11/2024 07:03	07/11/2024 14:54	PMB	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	07/15/2024 09:15	07/15/2024 10:35	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	Total Kjeldahl Nitrogen	2.16		mg/L	0.400	5	SM 4500-N Org D	07/12/2024 15:31	07/15/2024 15:06	TCD	
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Nitrogen	9.67		mg/L	0.0500	1	SM 4500-N B	07/15/2024 17:53	07/15/2024 17:55	AD	
							Certifications:				

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
	* Total Organic Nitrogen	2.16		mg/L	0.100	1	SM 4500-N	07/15/2024 17:53	07/15/2024 17:55	AD	
							Certifications:				



### Sample Information

**Client Sample ID:** Monitoring Well #DF3

**York Sample ID:** 24G0605-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24G0605	2407114-A	Water	July 9, 2024 11:01 am	07/10/2024

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## Analytical Batch Summary

**Batch ID:** BG40715      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24G0605-01	Monitoring Well #DF3	07/11/24
BG40715-DUP1	Duplicate	07/11/24
BG40715-SRM1	Reference	07/11/24

**Batch ID:** BG40781      **Preparation Method:** EPA 300      **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24G0605-01	Monitoring Well #DF3	07/11/24
BG40781-BLK1	Blank	07/10/24
BG40781-BS1	LCS	07/10/24
BG40781-DUP1	Duplicate	07/10/24
BG40781-DUP2	Duplicate	07/10/24
BG40781-MS1	Matrix Spike	07/10/24
BG40781-MS2	Matrix Spike	07/11/24
BG40781-MSD1	Matrix Spike Dup	07/10/24
BG40781-MSD2	Matrix Spike Dup	07/11/24

**Batch ID:** BG40849      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24G0605-01	Monitoring Well #DF3	07/12/24
BG40849-BLK1	Blank	07/12/24
BG40849-BS1	LCS	07/12/24
BG40849-DUP1	Duplicate	07/12/24
BG40849-MS1	Matrix Spike	07/12/24

**Batch ID:** BG40916      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24G0605-01	Monitoring Well #DF3	07/15/24
BG40916-BLK1	Blank	07/15/24
BG40916-BS1	LCS	07/15/24
BG40916-DUP1	Duplicate	07/15/24
BG40916-MS1	Matrix Spike	07/15/24
BG40916-MSD1	Matrix Spike Dup	07/15/24

**Batch ID:** BG40977      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
24G0605-01	Monitoring Well #DF3	07/15/24



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BG40781 - EPA 300</b>											
<b>Blank (BG40781-BLK1)</b>										Prepared & Analyzed: 07/10/2024	
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BG40781-BS1)</b>										Prepared & Analyzed: 07/10/2024	
Nitrate as N	11.0	0.0500	mg/L	10.0		110	90-110				
Nitrite as N	10.6	0.0500	"	10.0		106	90-110				
<b>Duplicate (BG40781-DUP1)</b>										*Source sample: 24G0607-01 (Duplicate) Prepared & Analyzed: 07/10/2024	
Nitrate as N	0.0271	0.0500	mg/L		0.0267				1.49	15	
Nitrite as N	0.0492	0.0500	"		0.0427				14.1	15	
<b>Duplicate (BG40781-DUP2)</b>										*Source sample: 24G0607-02 (Duplicate) Prepared & Analyzed: 07/10/2024	
Nitrate as N	0.0177	0.0500	mg/L		0.0195				9.68	15	
Nitrite as N	ND	0.0500	"		ND					15	
<b>Matrix Spike (BG40781-MS1)</b>										*Source sample: 24G0607-01 (Matrix Spike) Prepared & Analyzed: 07/10/2024	
Nitrate as N	10.4	0.0500	mg/L	10.0	0.0267	104	90-110				
Nitrite as N	10.0	0.0500	"	10.0	0.0427	99.9	90-110				
<b>Matrix Spike (BG40781-MS2)</b>										*Source sample: 24G0607-02 (Matrix Spike) Prepared & Analyzed: 07/11/2024	
Nitrate as N	10.1	0.0500	mg/L	10.0	0.0195	101	90-110				
Nitrite as N	9.94	0.0500	"	10.0	ND	99.4	90-110				
<b>Matrix Spike Dup (BG40781-MSD1)</b>										*Source sample: 24G0607-01 (Matrix Spike Dup) Prepared & Analyzed: 07/10/2024	
Nitrate as N	10.5	0.0500	mg/L	10.0	0.0267	105	90-110		0.846	200	
Nitrite as N	10.1	0.0500	"	10.0	0.0427	101	90-110		1.02	200	
<b>Matrix Spike Dup (BG40781-MSD2)</b>										*Source sample: 24G0607-02 (Matrix Spike Dup) Prepared & Analyzed: 07/11/2024	
Nitrate as N	10.2	0.0500	mg/L	10.0	0.0195	102	90-110		0.912	200	
Nitrite as N	10.4	0.0500	"	10.0	ND	104	90-110		4.06	200	



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

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

**Batch BG40715 - Analysis Preparation**

<b>Duplicate (BG40715-DUP1)</b>	*Source sample: 24G0605-01 (Monitoring Well #DF3)						Prepared & Analyzed: 07/11/2024				
Alkalinity, total	64	2.0	mg/L		68				6.06	15	
<b>Reference (BG40715-SRM1)</b>							Prepared & Analyzed: 07/11/2024				
Alkalinity, total	96	2.0	mg/L		95.2	101	90-110				

**Batch BG40849 - Analysis Prep for SAA**

<b>Blank (BG40849-BLK1)</b>							Prepared: 07/12/2024 Analyzed: 07/15/2024				
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BG40849-BS1)</b>							Prepared: 07/12/2024 Analyzed: 07/15/2024				
Total Kjeldahl Nitrogen	4.32		mg/L	5.00		86.5	70-130				
<b>Duplicate (BG40849-DUP1)</b>	*Source sample: 24G0434-01 (Duplicate)						Prepared: 07/12/2024 Analyzed: 07/15/2024				
Total Kjeldahl Nitrogen	1.95	0.400	mg/L		2.30				16.5	20	
<b>Matrix Spike (BG40849-MS1)</b>	*Source sample: 24G0434-01 (Matrix Spike)						Prepared: 07/12/2024 Analyzed: 07/15/2024				
Total Kjeldahl Nitrogen	6.10	0.400	mg/L	5.00	2.30	76.0	70-130				

**Batch BG40916 - Analysis Preparation**

<b>Blank (BG40916-BLK1)</b>							Prepared & Analyzed: 07/15/2024				
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BG40916-BS1)</b>							Prepared & Analyzed: 07/15/2024				
Ammonia Nitrogen as N	1.09	0.0500	mg/L	1.00		109	85-125				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result					Limit			
<b>Batch BG40916 - Analysis Preparation</b>													
<b>Duplicate (BG40916-DUP1)</b>		*Source sample: 24G0455-01 (Duplicate)						Prepared & Analyzed: 07/15/2024					
Ammonia Nitrogen as N	0.350	0.0500	mg/L		0.337						3.78	15	
<b>Matrix Spike (BG40916-MS1)</b>		*Source sample: 24G0455-01 (Matrix Spike)						Prepared & Analyzed: 07/15/2024					
Ammonia Nitrogen as N	11.6	0.0500	mg/L	10.0	0.337	113	80-120						
<b>Matrix Spike Dup (BG40916-MSD1)</b>		*Source sample: 24G0455-01 (Matrix Spike Dup)						Prepared & Analyzed: 07/15/2024					
Ammonia Nitrogen as N	10.8	0.0500	mg/L	10.0	0.337	105	80-120			7.14	200		



## Sample and Data Qualifiers Relating to This Work Order

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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





# Technical Report

prepared for:

**Maximum Environmental Management, Inc.**

1170 Lincoln Avenue., Suite 4

Holbrook NY, 11741

**Attention: Brian Leshinger**

Report Date: 08/22/2024

**Client Project ID: 2408237**

York Project (SDG) No.: 24H1191

Stratford, CT Laboratory IDs:  
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:  
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,  
EPA: NY01600

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371



132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 08/22/2024  
Client Project ID: 2408237  
York Project (SDG) No.: 24H1191

**Maximum Environmental Management, Inc.**  
1170 Lincoln Avenue., Suite 4  
Holbrook NY, 11741  
Attention: Brian Leshinger

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 16, 2024 and listed below. The project was identified as your project: **2408237**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24H1191-01	Monitoring Well #BG 1	Water	08/15/2024	08/16/2024
24H1191-02	Monitoring Well #DG 1.5 DPA	Water	08/15/2024	08/16/2024
24H1191-03	Monitoring Well #DG 1.5 DPB	Water	08/15/2024	08/16/2024
24H1191-04	Monitoring Well #DG 1.5 DPC	Water	08/15/2024	08/16/2024
24H1191-05	Monitoring Well #BG 2	Water	08/15/2024	08/16/2024
24H1191-06	Monitoring Well #DG 0.5	Water	08/15/2024	08/16/2024
24H1191-07	Monitoring Well #DG 1.0	Water	08/15/2024	08/16/2024
24H1191-08	Monitoring Well #DG 1.5	Water	08/15/2024	08/16/2024
24H1191-09	Monitoring Well #DG 3.0 DPD	Water	08/15/2024	08/16/2024
24H1191-10	Monitoring Well #DG 3.0 DPE	Water	08/15/2024	08/16/2024
24H1191-11	Monitoring Well #DG 2.0	Water	08/15/2024	08/16/2024
24H1191-12	Monitoring Well #DG 3.0	Water	08/15/2024	08/16/2024
24H1191-13	Monitoring Well #DF 3	Water	08/15/2024	08/16/2024
24H1191-14	Monitoring Well Waste Water	Water	08/15/2024	08/16/2024

## **General Notes for York Project (SDG) No.: 24H1191**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

**Approved By:**



Cassie L. Mosher  
Laboratory Manager

**Date:** 08/22/2024





### Sample Information

**Client Sample ID:** Monitoring Well #BG 1

**York Sample ID:** 24H1191-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 11:08 am

08/16/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	18.3		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:20	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	1.26		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:20	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	370		mg/L	2.0	1	SM 2320B	08/21/2024 07:49	08/21/2024 16:03	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	10.7		mg/L	0.0500	1	SM 4500-NH3 D	08/20/2024 10:30	08/20/2024 11:26	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	12.7		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	32.3		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
							Certifications:			

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #BG 1

**York Sample ID:** 24H1191-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 11:08 am

08/16/2024

### Total Organic Nitrogen(TON)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		2.00		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5 DPA

**York Sample ID:** 24H1191-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 11:28 am

08/16/2024

### Nitrate as N

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.00		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:04	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

### Nitrite as N

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:04	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

### Alkalinity, Total

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	84		mg/L	2.0	1	SM 2320B	08/21/2024 07:49	08/21/2024 16:03	PMB

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

### Ammonia Nitrogen as N

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	4.75		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

### Total Kjeldahl Nitrogen

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5 DPA

**York Sample ID:** 24H1191-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 11:28 am

08/16/2024

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	5.60		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	11.6		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.850		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5 DPB

**York Sample ID:** 24H1191-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 11:35 am

08/16/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	10.4		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:14	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:14	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well #DG 1.5 DPB

York Sample ID: 24H1191-03

York Project (SDG) No. 24H1191	Client Project ID 2408237	Matrix Water	Collection Date/Time August 15, 2024 11:35 am	Date Received 08/16/2024
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#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	60		mg/L	2.0	1	SM 2320B	08/21/2024 07:49	08/21/2024 16:03	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.55		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.88		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	13.3		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.33		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

### Sample Information

Client Sample ID: Monitoring Well #DG 1.5 DPC

York Sample ID: 24H1191-04

York Project (SDG) No. 24H1191	Client Project ID 2408237	Matrix Water	Collection Date/Time August 15, 2024 11:47 am	Date Received 08/16/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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## Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5 DPC

**York Sample ID:** 24H1191-04

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 11:47 am	<u>Date Received</u> 08/16/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	14.0		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/16/2024 23:43	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/16/2024 23:43	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	20		mg/L	2.0	1	SM 2320B	08/21/2024 07:49	08/21/2024 16:03	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.78		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	15.8		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.78		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5 DPC

**York Sample ID:** 24H1191-04

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 11:47 am	<u>Date Received</u> 08/16/2024
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### Sample Information

**Client Sample ID:** Monitoring Well #BG 2

**York Sample ID:** 24H1191-05

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 11:45 am	<u>Date Received</u> 08/16/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	8.80		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:24	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:24	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	8.0		mg/L	2.0	1	SM 2320B	08/21/2024 07:49	08/21/2024 16:03	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.114		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.82		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well #BG 2

York Sample ID: 24H1191-05

York Project (SDG) No. 24H1191	Client Project ID 2408237	Matrix Water	Collection Date/Time August 15, 2024 11:45 am	Date Received 08/16/2024
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#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		10.6		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.71		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

### Sample Information

Client Sample ID: Monitoring Well #DG 0.5

York Sample ID: 24H1191-06

York Project (SDG) No. 24H1191	Client Project ID 2408237	Matrix Water	Collection Date/Time August 15, 2024 12:09 pm	Date Received 08/16/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.90		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:35	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:35	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	20		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #DG 0.5

**York Sample ID:** 24H1191-06

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 12:09 pm	<u>Date Received</u> 08/16/2024
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#### Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	08/21/2024 12:01	08/21/2024 13:01	TCD

#### Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.50		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	08/20/2024 16:00	08/21/2024 10:26	TCD

#### Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	8.40		mg/L	0.0500	1	SM 4500-N B Certifications:	08/21/2024 15:41	08/22/2024 12:04	HLY

#### Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.50		mg/L	0.100	1	SM 4500-N Certifications:	08/21/2024 15:41	08/22/2024 12:04	HLY

### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.0

**York Sample ID:** 24H1191-07

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 12:24 pm	<u>Date Received</u> 08/16/2024
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#### Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.84		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	08/16/2024 18:48	08/17/2024 00:45	ZTS

#### Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.0

**York Sample ID:** 24H1191-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 12:24 pm

08/16/2024

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440	08/16/2024 18:48	08/17/2024 00:45	ZTS

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	160		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	08/22/2024 07:35	08/22/2024 15:21	PMB

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.655		mg/L	0.0500	1	SM 4500-NH3 D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	08/21/2024 12:01	08/21/2024 13:01	TCD

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.96		mg/L	0.400	5	SM 4500-N Org D Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	08/20/2024 16:00	08/21/2024 10:26	TCD

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	5.80		mg/L	0.0500	1	SM 4500-N B Certifications:	08/21/2024 15:41	08/22/2024 12:04	HLV

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.30		mg/L	0.100	1	SM 4500-N Certifications:	08/21/2024 15:41	08/22/2024 12:04	HLV



## Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5

**York Sample ID:** 24H1191-08

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 12:30 pm	<u>Date Received</u> 08/16/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.152		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:55	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 00:55	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	390		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	10.3		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	10.9		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	11.1		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.600		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well #DG 1.5

**York Sample ID:** 24H1191-08

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 12:30 pm	<u>Date Received</u> 08/16/2024
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### Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0 DPD

**York Sample ID:** 24H1191-09

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 1:17 pm	<u>Date Received</u> 08/16/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	10.5		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:00	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:00	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	36		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	0.0509		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.88		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0 DPD

**York Sample ID:** 24H1191-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 1:17 pm

08/16/2024

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		12.4		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		1.83		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

### Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0 DPE

**York Sample ID:** 24H1191-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 1:35 pm

08/16/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	11.0		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:10	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:10	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	28		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0 DPE

**York Sample ID:** 24H1191-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 1:35 pm

08/16/2024

#### Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

#### Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	1.94		mg/L	0.400	5	SM 4500-N Org D	08/20/2024 16:00	08/21/2024 10:26	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

#### Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	12.9		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

#### Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	1.94		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well #DG 2.0

**York Sample ID:** 24H1191-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 1:00 pm

08/16/2024

#### Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 01:16	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-0444										

#### Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 01:16	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04400										



### Sample Information

**Client Sample ID:** Monitoring Well #DG 2.0

**York Sample ID:** 24H1191-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 1:00 pm

08/16/2024

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	280		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	5.27		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	5.45		mg/L	0.400	5	SM 4500-N Org D	08/21/2024 15:08	08/22/2024 11:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	5.45		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.180		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

### Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0

**York Sample ID:** 24H1191-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 12:49 pm

08/16/2024

#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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## Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0

**York Sample ID:** 24H1191-12

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 12:49 pm	<u>Date Received</u> 08/16/2024
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**Nitrate as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.166		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 01:06	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Nitrite as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 01:06	ZTS
Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440										

**Alkalinity, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	220		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Ammonia Nitrogen as N**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	1.97		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Kjeldahl Nitrogen**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	2.62		mg/L	0.400	5	SM 4500-N Org D	08/21/2024 15:08	08/22/2024 11:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

**Total Nitrogen (TN)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	2.79		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

**Total Organic Nitrogen(TON)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.650		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										



### Sample Information

**Client Sample ID:** Monitoring Well #DG 3.0

**York Sample ID:** 24H1191-12

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 12:49 pm	<u>Date Received</u> 08/16/2024
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### Sample Information

**Client Sample ID:** Monitoring Well #DF 3

**York Sample ID:** 24H1191-13

<u>York Project (SDG) No.</u> 24H1191	<u>Client Project ID</u> 2408237	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 15, 2024 1:53 pm	<u>Date Received</u> 08/16/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	3.15		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:31	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 02:31	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	44		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	ND		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

#### Total Kjeldahl Nitrogen

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	0.605		mg/L	0.400	5	SM 4500-N Org D	08/21/2024 15:08	08/22/2024 11:01	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

Client Sample ID: Monitoring Well #DF 3

York Sample ID: 24H1191-13

York Project (SDG) No. 24H1191	Client Project ID 2408237	Matrix Water	Collection Date/Time August 15, 2024 1:53 pm	Date Received 08/16/2024
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#### Total Nitrogen (TN)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Nitrogen		3.76		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

#### Total Organic Nitrogen(TON)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Total Organic Nitrogen		0.605		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY

Certifications:

### Sample Information

Client Sample ID: Monitoring Well Waste Water

York Sample ID: 24H1191-14

York Project (SDG) No. 24H1191	Client Project ID 2408237	Matrix Water	Collection Date/Time August 15, 2024 1:15 pm	Date Received 08/16/2024
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#### Nitrate as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 01:49	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044

#### Nitrite as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	08/16/2024 18:48	08/17/2024 01:49	ZTS

Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440

#### Alkalinity, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14807-96-6	Alkalinity, total	450		mg/L	2.0	1	SM 2320B	08/22/2024 07:35	08/22/2024 15:21	PMB

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

#### Ammonia Nitrogen as N

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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### Sample Information

**Client Sample ID:** Monitoring Well Waste Water

**York Sample ID:** 24H1191-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24H1191

2408237

Water

August 15, 2024 1:15 pm

08/16/2024

#### Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	29.2		mg/L	0.0500	1	SM 4500-NH3 D	08/21/2024 12:01	08/21/2024 13:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	30.0		mg/L	0.400	5	SM 4500-N Org D	08/21/2024 15:08	08/22/2024 11:01	TCD
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

#### Total Nitrogen (TN)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Nitrogen	30.0		mg/L	0.0500	1	SM 4500-N B	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										

#### Total Organic Nitrogen(TON)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total Organic Nitrogen	0.800		mg/L	0.100	1	SM 4500-N	08/21/2024 15:41	08/22/2024 12:04	HLY
Certifications:										



## Analytical Batch Summary

**Batch ID:** BH41228      **Preparation Method:** EPA 300      **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-01	Monitoring Well #BG 1	08/16/24
24H1191-02	Monitoring Well #DG 1.5 DPA	08/16/24
24H1191-03	Monitoring Well #DG 1.5 DPB	08/16/24
24H1191-04	Monitoring Well #DG 1.5 DPC	08/16/24
24H1191-05	Monitoring Well #BG 2	08/16/24
24H1191-06	Monitoring Well #DG 0.5	08/16/24
24H1191-07	Monitoring Well #DG 1.0	08/16/24
24H1191-08	Monitoring Well #DG 1.5	08/16/24
24H1191-09	Monitoring Well #DG 3.0 DPD	08/16/24
24H1191-10	Monitoring Well #DG 3.0 DPE	08/16/24
24H1191-11	Monitoring Well #DG 2.0	08/16/24
24H1191-12	Monitoring Well #DG 3.0	08/16/24
24H1191-13	Monitoring Well #DF 3	08/16/24
24H1191-14	Monitoring Well Waste Water	08/16/24
BH41228-BLK1	Blank	08/16/24
BH41228-BS1	LCS	08/16/24

**Batch ID:** BH41252      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-01	Monitoring Well #BG 1	08/20/24
BH41252-BLK1	Blank	08/20/24
BH41252-BS1	LCS	08/20/24

**Batch ID:** BH41284      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-01	Monitoring Well #BG 1	08/20/24
24H1191-02	Monitoring Well #DG 1.5 DPA	08/20/24
24H1191-03	Monitoring Well #DG 1.5 DPB	08/20/24
24H1191-04	Monitoring Well #DG 1.5 DPC	08/20/24
24H1191-05	Monitoring Well #BG 2	08/20/24
24H1191-06	Monitoring Well #DG 0.5	08/20/24
24H1191-07	Monitoring Well #DG 1.0	08/20/24
24H1191-08	Monitoring Well #DG 1.5	08/20/24
24H1191-09	Monitoring Well #DG 3.0 DPD	08/20/24
24H1191-10	Monitoring Well #DG 3.0 DPE	08/20/24
BH41284-BLK1	Blank	08/20/24
BH41284-BS1	LCS	08/20/24

**Batch ID:** BH41347      **Preparation Method:** Analysis Preparation      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-02	Monitoring Well #DG 1.5 DPA	08/21/24



24H1191-03	Monitoring Well #DG 1.5 DPB	08/21/24
24H1191-04	Monitoring Well #DG 1.5 DPC	08/21/24
24H1191-05	Monitoring Well #BG 2	08/21/24
24H1191-06	Monitoring Well #DG 0.5	08/21/24
24H1191-07	Monitoring Well #DG 1.0	08/21/24
24H1191-08	Monitoring Well #DG 1.5	08/21/24
24H1191-09	Monitoring Well #DG 3.0 DPD	08/21/24
24H1191-10	Monitoring Well #DG 3.0 DPE	08/21/24
24H1191-11	Monitoring Well #DG 2.0	08/21/24
24H1191-12	Monitoring Well #DG 3.0	08/21/24
24H1191-13	Monitoring Well #DF 3	08/21/24
24H1191-14	Monitoring Well Waste Water	08/21/24
BH41347-BLK1	Blank	08/21/24
BH41347-BS1	LCS	08/21/24
BH41347-DUP1	Duplicate	08/21/24
BH41347-MS1	Matrix Spike	08/21/24
BH41347-MSD1	Matrix Spike Dup	08/21/24

**Batch ID:** BH41352      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-01	Monitoring Well #BG 1	08/21/24
24H1191-02	Monitoring Well #DG 1.5 DPA	08/21/24
24H1191-03	Monitoring Well #DG 1.5 DPB	08/21/24
24H1191-04	Monitoring Well #DG 1.5 DPC	08/21/24
24H1191-05	Monitoring Well #BG 2	08/21/24
BH41352-DUP1	Duplicate	08/21/24
BH41352-SRM1	Reference	08/21/24

**Batch ID:** BH41387      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-11	Monitoring Well #DG 2.0	08/21/24
24H1191-12	Monitoring Well #DG 3.0	08/21/24
24H1191-13	Monitoring Well #DF 3	08/21/24
24H1191-14	Monitoring Well Waste Water	08/21/24
BH41387-BLK1	Blank	08/21/24
BH41387-BS1	LCS	08/21/24

**Batch ID:** BH41429      **Preparation Method:** Analysis Prep for SAA      **Prepared By:** HLY

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-01	Monitoring Well #BG 1	08/21/24
24H1191-02	Monitoring Well #DG 1.5 DPA	08/21/24
24H1191-03	Monitoring Well #DG 1.5 DPB	08/21/24
24H1191-04	Monitoring Well #DG 1.5 DPC	08/21/24
24H1191-05	Monitoring Well #BG 2	08/21/24
24H1191-06	Monitoring Well #DG 0.5	08/21/24
24H1191-07	Monitoring Well #DG 1.0	08/21/24
24H1191-08	Monitoring Well #DG 1.5	08/21/24



24H1191-09	Monitoring Well #DG 3.0 DPD	08/21/24
24H1191-10	Monitoring Well #DG 3.0 DPE	08/21/24
24H1191-11	Monitoring Well #DG 2.0	08/21/24
24H1191-12	Monitoring Well #DG 3.0	08/21/24
24H1191-13	Monitoring Well #DF 3	08/21/24
24H1191-14	Monitoring Well Waste Water	08/21/24

**Batch ID:** BH41457      **Preparation Method:** Analysis Preparation      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24H1191-06	Monitoring Well #DG 0.5	08/22/24
24H1191-07	Monitoring Well #DG 1.0	08/22/24
24H1191-08	Monitoring Well #DG 1.5	08/22/24
24H1191-09	Monitoring Well #DG 3.0 DPD	08/22/24
24H1191-10	Monitoring Well #DG 3.0 DPE	08/22/24
24H1191-11	Monitoring Well #DG 2.0	08/22/24
24H1191-12	Monitoring Well #DG 3.0	08/22/24
24H1191-13	Monitoring Well #DF 3	08/22/24
24H1191-14	Monitoring Well Waste Water	08/22/24
BH41457-DUP1	Duplicate	08/22/24
BH41457-SRM1	Reference	08/22/24



**Anions by Ion Chromatography - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH41228 - EPA 300</b>											
<b>Blank (BH41228-BLK1)</b>										Prepared & Analyzed: 08/16/2024	
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
<b>LCS (BH41228-BS1)</b>										Prepared & Analyzed: 08/16/2024	
Nitrate as N	10.7	0.0500	mg/L	10.0		107	90-110				
Nitrite as N	10.6	0.0500	"	10.0		106	90-110				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH41252 - Analysis Preparation</b>											
<b>Blank (BH41252-BLK1)</b>											Prepared & Analyzed: 08/20/2024
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BH41252-BS1)</b>											Prepared & Analyzed: 08/20/2024
Ammonia Nitrogen as N	0.995	0.0500	mg/L	1.00		99.5	85-125				
<b>Batch BH41284 - Analysis Prep for SAA</b>											
<b>Blank (BH41284-BLK1)</b>											Prepared: 08/20/2024 Analyzed: 08/21/2024
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BH41284-BS1)</b>											Prepared: 08/20/2024 Analyzed: 08/21/2024
Total Kjeldahl Nitrogen	4.80		mg/L	5.00		96.0	70-130				
<b>Batch BH41347 - Analysis Preparation</b>											
<b>Blank (BH41347-BLK1)</b>											Prepared & Analyzed: 08/21/2024
Ammonia Nitrogen as N	ND	0.0500	mg/L								
<b>LCS (BH41347-BS1)</b>											Prepared & Analyzed: 08/21/2024
Ammonia Nitrogen as N	1.05	0.0500	mg/L	1.00		105	85-125				
<b>Duplicate (BH41347-DUP1)</b>											*Source sample: 24H1191-02 (Monitoring Well #DG 1.5 DPA) Prepared & Analyzed: 08/21/2024
Ammonia Nitrogen as N	4.81	0.0500	mg/L		4.75				1.26	15	
<b>Matrix Spike (BH41347-MS1)</b>											*Source sample: 24H1191-02 (Monitoring Well #DG 1.5 DPA) Prepared & Analyzed: 08/21/2024
Ammonia Nitrogen as N	14.9	0.0500	mg/L	10.0	4.75	102	80-120				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc. - Stratford**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH41347 - Analysis Preparation</b>											
<b>Matrix Spike Dup (BH41347-MSD1)</b>		*Source sample: 24H1191-02 (Monitoring Well #DG 1.5 DPA)					Prepared & Analyzed: 08/21/2024				
Ammonia Nitrogen as N	15.0	0.0500	mg/L	10.0	4.75	102	80-120		0.669	200	
<b>Batch BH41352 - Analysis Preparation</b>											
<b>Duplicate (BH41352-DUP1)</b>		*Source sample: 24H1191-05 (Monitoring Well #BG 2)					Prepared & Analyzed: 08/21/2024				
Alkalinity, total	8.0	2.0	mg/L		8.0				0.00	15	
<b>Reference (BH41352-SRM1)</b>							Prepared & Analyzed: 08/21/2024				
Alkalinity, total	96	2.0	mg/L	95.2		101	90-110				
<b>Batch BH41387 - Analysis Prep for SAA</b>											
<b>Blank (BH41387-BLK1)</b>							Prepared: 08/21/2024 Analyzed: 08/22/2024				
Total Kjeldahl Nitrogen	ND	0.400	mg/L								
<b>LCS (BH41387-BS1)</b>							Prepared: 08/21/2024 Analyzed: 08/22/2024				
Total Kjeldahl Nitrogen	4.92		mg/L	5.00		98.3	70-130				
<b>Batch BH41457 - Analysis Preparation</b>											
<b>Duplicate (BH41457-DUP1)</b>		*Source sample: 24H1191-06 (Monitoring Well #DG 0.5)					Prepared & Analyzed: 08/22/2024				
Alkalinity, total	20	2.0	mg/L		20				0.00	15	
<b>Reference (BH41457-SRM1)</b>							Prepared & Analyzed: 08/22/2024				
Alkalinity, total	48	2.0	mg/L	46.9		102	90-110				



## Sample and Data Qualifiers Relating to This Work Order

### Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

# YORK

ANALYTICAL LABORATORIES, INC.  
 120 RESEARCH DRIVE  
 STRATFORD, CT 06615  
 203.325.1371 FAX 203.357-0166

## Field Chain-of-Custody Record

24H1191

Sample No	Company Name MAXIMUM ENVIRONMENTAL 1170 LINCOLN AVENUE, SUITE 4 HOLBROOK, NY 11741	Report to: SAME	Location/ID	Date Sampled	Time Sampled	Invoice to: ATTN ACCOUNTS PAYABLE			Project ID/No. 2408237 Canoe Place Inn Monitoring Well Samples	Container Desc.
						Water	Soil	Air/Other		
001	Monitoring Well # BG 1			08/15/24	11:08 AM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
002	Monitoring Well # DG 1.5 DPA			08/15/24	11:28 AM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
003	Monitoring Well # DG 1.5 DPB			08/15/24	11:35 AM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
004	Monitoring Well # DG 1.5 DPC			08/15/24	11:47 AM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
005	Monitoring Well # BG 2			08/15/24	11:45 AM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
006	Monitoring Well # DG 0.5			08/15/24	12:09 PM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
007	Monitoring Well # DG 1.0			08/15/24	12:24 PM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
008	Monitoring Well # DG 1.5			08/15/24	12:30 PM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
009	Monitoring Well # DG 3.0 DPD			08/15/24	1:17 PM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4
010	Monitoring Well # DG 3.0 DPE			08/15/24	1:35 PM	X			Ammonia, Nitrate, Nitrite, Total Kjeldahl Nitrogen, Total Nitrogen, Total Organic Nitrogen, Alkalinity (NO HEADSPACE)	1-500 mL, 1-250 mL, 1-500 mL H2SO4

**Chain-of-Custody Record**

Bottles Relinquished from Lab by M Bunge Date/Time 8/16/24

Bottles Relinquished in field by K Badreck Date/Time 8/16/24

Comments/Special Instructions **USE LOCATION ID AS SAMPLE ID**

**Total # of Bottles for this PROJECT (COC This Page):** 30 Bottles

Turn-Around Time Requested-Specify Date Expected: 4.30

IF RUSH Requested-DATE DUE FOR RUSH: \_\_\_\_\_

STANDARD \_\_\_\_\_ RUSH(Define) \_\_\_\_\_

