CORRECTIVE MEASURES REPORT
LEACHATE MATTER - LANDFILL AREA 6
NYSDEC #V00657

FORMER HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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CERTIFICATION

I, _____, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Corrective Measures Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

_____
Name

_____
NYS PE License Number

_____
Signature

_____
Date

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1.0 INTRODUCTION

PVEDI Engineering, Architecture and Geology, D.P.C. (PVEDI) prepared a Corrective Measures Work Plan (CMWP) dated December 2023, 1st Revision December 2024, 2nd Revision February 2025, regarding the leachate matter on behalf of EFG/DRA Heritage, LLC (EFG/DRA n/k/a EFG/Saber Heritage SC, LLC). EFG/DRA is responsible for the monitoring and maintenance of Landfill Area 6 (LA-6). The Site was remediated in accordance with Voluntary Cleanup Agreement (VCA) (Index # W3-0969-03-07, Site #V00657), which was executed on April 27, 2004. Monitoring of groundwater, sediment, and explosive landfill gases has been conducted by PVEDI and Fuss & O'Neill since 2011 in accordance with the State-approved Site Management Plan (SMP). The New York State Department of Environmental Conservation (NYSDEC) issued a release and covenant not to sue for the Site on October 12, 2011. The CMWP has been accepted by the Department on April 10, 2025.

The objective of the CMWP was to address the deficiencies identified in the NYSDEC's Periodic Review Report (PRR) Response Letter dated May 17, 2023. The NYSDEC identified failings associated with the site-specific Engineering Controls associated with LA-6 leachate. Presently, leachate is surfacing at several locations all along the bank of the unnamed tributary bordering LA-6 to the south and east. An engineering control, i.e. a fence, is required to prevent ingestion and/or contact with waste material. In addition, sediment results indicate that leachate is adversely impacting the quality of an unnamed tributary. The NYSDEC requested a CMWP to address leachate and associated environmental and human exposures.

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1.1 Project Background

The former Hudson River Psychiatric Center (HRPC) property is located on the east side of US Route 9 in the Town of Poughkeepsie, Dutchess County, New York and identified as Section 6163, Lot 3, and Block 011149 on the Town of Poughkeepsie Tax Map. LA-6 is a 2.3-acre portion of the HRPC Site bounded by a former driveway and parking lot to the north and west, an unnamed stream to the south, and a former railroad bed to the east (**Figure 1 & 2**).

Site History

The HRPC property was purchased from the State of New York by Hudson Heritage Development, LLC in 2005. The original HRPC property consisted of approximately 324 acres of land. Hudson Heritage Development, LLC purchased 156 acres of the HRPC property. Numerous investigations of the Site and surrounding portions of the HRPC property have been performed to date.

Waste was reported to have been disposed of in various locations on the 324-acre HRPC property for more than 100 years. Wastes located in LA-6 reportedly consisted of municipal waste from the HRPC facility (and potentially from the Town of

Poughkeepsie), coal ash from the heating plant and mixed construction debris from the HRPC facility. Aerial photo interpretation identified that waste deposition in LA-6 began in the mid-1960s and had apparently ended by 1978 (EA Engineering, 2001).

Hudson Heritage CPCR Ventures, LLC entered into a Voluntary Cleanup Agreement with the NYSDEC to remediate the 2.3-acre LA-6. The former landfill Site was remediated in accordance the NYSDEC-approved Remedial Action Work Plan dated September 2004, the Addendum to Remedial Action Work Plan dated August 2009, the Interim Remedial Measures (IRM) Work Plan dated March 2008, and the IRM Work Plan Addendum dated July 2008. Remedial activities were performed at the Site between November 2008 and September 2010.

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2.0 FIELD ACTIVITIES

2.1 Site Securing

PVEDI supervised the installation of a temporary perimeter fence on April 29, 2025, prohibiting any incidental public access to the contaminated leachate observed in the unnamed tributary south of LA-6. The temporary fencing has been installed on top of the landfill cover in the southernmost section extending east to west, depicted on **Figure 4**. No ground penetration was permitted during the installation of the fence. A chain-link fence with stands/bases has been secured in place with sandbags to ensure the fence remains standing during inclement weather. Fencing is inspected monthly to ensure no portions have fallen or unwarranted access points have been created.

2.2 Stream Surface Water Sampling

Surface water monitoring was proposed within the unnamed tributary (UNT) drainage basin at eight (8) distinct sampling locations as detailed below and depicted on **Figure 3**.

- Stream 0: Main channel of the UNT upstream of the 36-inch LA-6 culvert, north (upgradient) of LA-6 disposal area;
- Stream 1: Main channel of the UNT downstream of the 36-inch culvert;
- Storm 1: Rail Trail 24-inch storm culvert at discharge into UNT main channel;
- Stream 2: UNT main channel immediately downstream from Storm 1 entry;
- Leachate: Diffuse leachate discharge zone north of UNT, generally visible between sample locations Stream 2 and Stream 3;
- Stream 3: UNT downgradient from visible leachate impacts;
- Storm 2: Stormwater culvert between Stream 3 and 4 (shown on Drawing SV1 to have been grout sealed); and
- Stream 4: UNT at exit (southwestern corner) of property.

In order to determine surface water impacts from the landfill during various weather conditions, three (3) distinct monitoring events were originally proposed:

1. Dry Weather (Baseline): This event was designed to determine the impact of LA-6 leachate to the UNT during typical dry weather hydraulic conditions when both the UNT streamflow and leachate discharge rates would be expected to be at typical baseline rates.
2. Post-Stormwater: In order to monitor the impact during the largest expected leachate discharge rate, sampling was scheduled after a significant rain event and following the cessation of surface stormwater runoff.
3. Stormwater Discharge: A third monitoring event was proposed during a monitorable stormwater discharge to determine the combined relative impact of the LA-6 surface water and leachate on the UNT. Absent exposed stormwater source materials from the former institution and based on PVEDI's experience with other landfill leachate sites, this event was anticipated to show the lowest

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impact from LA-6 leachate, as surface water flows during direct runoff conditions would greatly dilute the effect of indirect discharge from the LA-6. This monitoring event has not yet been performed as i) visual observation of the Storm 2 monitoring location (the only direct stormwater discharge point from the former site along LA-6) during several heavy rain events showed no discharge evaluation and ii) Monitoring Events 1 and 2 have shown minimal leachate impact from LA-6.

Sample collection for each of these events consisted of discrete grab samples and composite samples. All samples were dispensed directly into laboratory-provided sample containers and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of the following.

Samples for the dry weather baseline and post-stormwater monitoring were analyzed for the following parameters:

- Full List of Part 360 Routine Parameters;
- Total Suspended Solids (TSS); and
- Metals (Total and Dissolved): Iron, Manganese and Aluminum.

Surface water sample results have been compared to Class GA Groundwater Quality Standards (GQS) as defined in 6NYCRR Part 700-705 and summarized in Tables 1 and 2. A description of the individual monitoring results is detailed below.

2.2.1 July 30, 2025 Sampling Event (Baseline Dry Weather Event)

The UNT was sampled on July 30,2025, approximately three (3) days after a storm event that was measured at 0.3-inch which ended July 27, 2025. UNT stormwater water dilutions would be expected to be minimal during this hydrogeologic condition.

A leachate composite sample was collected from within the area of the bank which displayed concentrated leachate discharge, as depicted on **Figure 3**. All samples were dispensed directly into laboratory provided sample containers and submitted to a NYSDOH ELAP certified laboratory for analysis of the following.

The flow rate at Stream 2 (UNT Main Channel upstream from LA-6) was measured at 27 gallons per minute (gpm) using a bucket/stopwatch technique at the 36-inch UNT culvert upgradient of Stream 2. Storm 1 (Rail Trail) and Storm 2 sample locations were dry during this event.

Since Stream 3 flow under these conditions is the sum of the LA-6 leachate and Stream 2, the leachate flow of 5 gpm during this event was calculated as the rate that balanced conservative parameter loadings (chloride, total dissolved solids [TDS], potassium and sodium) between Stream 2 and Stream 3 points. For example, the Stream 2, Stream 3

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and Leachate sodium concentrations were measured at 53.5 milligrams/Liter (mg/L), 60.8 mg/L and 90.3 mg/L respectively. For a monitored Stream 2 flow of 27.3 gpm, the leachate flow between Stream 2 and 3 that balances the loadings is 6.5 gpm, with the respective loadings being 17.5 pound per day (lb/d) for Stream 2, 7.0 lb/d for LA-6 leachate and 24.5 lb/d for Stream 3. This balance equation was completed for chloride, TDS and potassium, with the LA-6 leachate flow of 5.0 gpm set as the average flow.

A schematic of the UNT basin contributors during this event is included as Figure 5-1, including measured/calculated parameter of concern concentrations and loading rates.

The schematic shows that the Main Channel of the UNT exhibited TDS, total iron and total /dissolved sodium concentrations greater than the respective Class GA GQS standard at Stream 2, Stream 3 and Stream 4 monitoring nodes, while Stream 3 had a total manganese greater than the prescribed standard, as described further below. Other Part 360 indicator parameters and total/dissolved metals were monitored at each UNT station below respective Class GA GQS.

2.2.1.1 Part 360 Routine Parameters

TDS was detected in each of three (3) UNT Main Channel composite samples and the leachate surface water sample above the 200 mg/L Class GA GQS TDS standard as described below. The monitored UNT concentrations during the dry weather event for other Part 360 monitored parameter were each less than their respective standards.

- Leachate – 758 mg/L;
- Stream 2 – 398 mg/L;
- Stream 3 – 477 mg/L and;
- Stream 4 – 423 mg/L.

This data shows that the UNT is significantly impacted upgradient of LA-6, with TDS of 398 mg/L (130 lb/d loading) at Stream 2, which accounts for roughly 75% of the total UNT TDS loading that is monitored at Stream 3. Since there was no discernable stormwater flow from Storm 1 or Storm 2, the balance of the TDS loading (25%) at Stream 3 was attributed to LA-6 leachate for this event.

The monitored UNT TDS water quality was 11% lower at Stream 4 than Stream 3.

2.2.1.2 Total & Dissolved Metals

The total iron and total sodium concentrations for the baseline dry weather event were monitored above Class C Standards of 0.3 mg/L and 20 mg/L respectively for each of the main channel UNT locations and at the leachate, while the monitored concentrations of the leachate and at Stream 3 were also greater than the total manganese Class C standard of 0.3 mg/L. The leachate sample also exceeded the Class C standards for

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total cadmium (0.005 mg/L) and total lead (0.025 mg/L). Standard exceedances are summarized below:

- Leachate Composite Sample
  - Total Iron (691 mg/L)
  - Dissolved Iron (9.12 mg/L)
  - Total Manganese (11.6 mg/L)
  - Dissolved Manganese (1.09 mg/L)
  - Total Sodium (90.3 mg/L)
  - Dissolved Sodium (73 mg/L)
  - Total Cadmium (0.0053 mg/L)
  - Total Lead (0.046 mg/L)
- Stream 2 Composite Sample
  - Total Iron (1.19 mg/L)
  - Total Sodium (53.5 mg/L)
  - Dissolved Sodium (77.9 mg/L)
- Stream 3 Composite Sample
  - Total Iron (1.49 mg/L)
  - Total Manganese (0.41 mg/L)
  - Total Sodium (60.8 mg/L)
  - Dissolved Sodium (54.1 mg/L)
- Stream 4 Composite Sample
  - Total Iron (0.54 mg/L)
  - Total Sodium (58.0 mg/L)
  - Dissolved Sodium (57.9 mg/L)

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Dissolved iron at each of the three (3) stream sample locations were non-detect (<0.278 mg/L).

This monitoring data identifies that (as with TDS) the UNT upgradient of LA-6 is also significantly impacted for chloride, iron, manganese and sodium, with the upgradient sources having a more significant contribution for parameters of concern than LA-6 leachate as shown in the table below:

	% Loading Upgradient of LA-6
Chloride	71
Iron, Total	67
Manganese, Total	55
Sodium, Total	74

The source of the upstream UNT impacts could not be determined from the LA-6 monitoring performed.

The monitored UNT water quality at Stream 4 for iron, chloride and manganese was consistently lower than at Stream 3 during the dry weather event - iron (1.49 mg/L to 0.54 mg/L – 64% reduction), chloride (99.1 to 90.9 mg/L – 8.3% reduction), manganese (0.41 mg/L to 0.22 mg/L - 46% reduction) and sodium (60.8 mg/L to 58.0 mg/L – 4.6% reduction). These results indicate that no additional LA-6 leachate was entering the UNT downgradient from Stream 3 during normal non-stormwater periods, but that a relatively small amount (2 to 3 gpm) of relatively high-quality water (i.e., an uncontaminated seep or spring) may enter the UNT between the Stream 3 and 4 sample locations.

2.2.1.3 Baseline Dry Weather Summary / Conclusions

Below are the LA-6 leachate impact conclusions based on the results of the post-stormwater monitoring event:

- There was no flow from Storm 1 (Rail Trail) or Storm 2 (sealed Institution 36-inch pipe) monitoring points.
- The derived flow balance for the main contributors included 27 gpm for Stream 2 and 5 gpm for the dry weather LA-6 leachate.
- The baseline (dry weather) leachate sample had a high concentration of dissolved iron and dissolved manganese, likely due to the historic presence of waste coal ash in LA-6. Elevated concentrations of TDS, chloride, sodium, cadmium and lead were also present.
- The UNT is more heavily impacted by upgradient sources than LA-6 leachate, by an average of more than 2:1 for the monitored parameters of concern.
- The source of the upstream UNT impacts could not be determined from the LA-6 monitoring performed.
- The monitored UNT reduction of parameters of concern indicate that a relatively small amount (2 to 3 gpm) of relatively high-quality water (i.e., an uncontaminated seep or spring) is entering the UNT between the Stream 3 and 4 sample locations.

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2.2.2 May 12, 2025 Sampling Event (Post-Stormwater Event)

The UNT was sampled on May 12, 2025, approximately 5 days after a 4-day rain event from May 4 through May 7, 2025 that included 1.0-inch of precipitation on May 5th and a combined rainfall of 2.3-inch over the 4-day period. As with the dry weather event, the LA-6 leachate flow rate of 28 gpm for this event was calculated as the rate that balanced conservative parameter loadings for chloride, TDS, potassium and sodium between Stream 2 and Stream 3 sampling locations.

Flow monitoring was performed using a bucket/stopwatch technique at the 36-inch UNT culvert at Stream 1 (197 gpm) and at the Storm 1 culvert (60 gpm). Stream 2 flow was calculated as the combined flow from Stream 1 and Storm 1. Stream 3 and 4 flows

were calculated based on loading rates measured for conservative parameters as there were no other stormwater flow contributors identified during this event.

The flows from this event were significantly higher than from the dry weather event:

- Rail Trail Storm 1 (60 gpm wet weather vs. 0 gpm dry weather baseline);
- UNT at Stream 2 (257 gpm wet weather vs. 27 gpm dry weather baseline); and
- LA-6 leachate (calculated 28 gpm vs. 5 gpm).

A schematic of the UNT basin contributors during this event is included as Figure 5-2, including measured / calculated parameter of concern concentrations and loading rates.

As was the case for the post-stormwater sample, the Main Channel of the UNT exhibited TDS, total iron and total/dissolved sodium concentrations greater than the respective Class GA GQS standard for each of the monitored nodes, as detailed further below. There were no monitored total manganese concentrations greater than Class GA standards for the wet weather event, while Stream 3 had an exceedance during the dry weather baseline event. Other Part 360 indicator parameters and total/dissolved metals were monitored at each monitored UNT or stormwater station below respective Class GA CQS standards.

2.2.2.1 Part 360 Routine Parameters

TDS was detected at each of the three (3) UNT Main Channel locations and the Rail Trail Sample surface water node above the 200 mg/L Class GA GQS standard as described below.

- Stream 1 (Rail Trail) – 249 mg/L;
- Stream 2 – 383 mg/L;
- Stream 3 – 401 mg/L and;
- Stream 4 – 422 mg/L.

The UNT is again shown to be significantly impacted upgradient of the LA-6 for the storm-impacted event, with inferred TDS of 423 mg/L (1,000 lb/d loading) at Stream 1, which again accounts for roughly 75% of the total UNT TDS loading at Stream 3. For this event, the Rail Trail (Stream 1) accounts for about the same TDS loading (179 lb/d) as the leachate (190 lb/d).

The dry weather UNT TDS concentrations were on average 7.7% greater than the wet weather UNT TDS concentrations.

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2.2.2.2 Total & Dissolved Metals

Total iron and total sodium concentrations were monitored above Class C Standards of 0.3 mg/L and 20 mg/L respectively for each of the main channel UNT locations, but not at the Rail Trail (Storm1 point), as detailed below:

- Stream 1
  - Total Iron (<0.278 mg/L)
- Stream 2
  - Total Iron (0.593 mg/L)
  - Total Sodium (50.9 mg/L)
  - Dissolved Sodium (50.6 mg/L)
- Stream 3
  - Total Iron (0.435 mg/L)
  - Total Sodium (53.7 mg/L)
  - Dissolved Sodium (53.7 mg/L)
- Stream 4
  - Total Iron (0.411 mg/L)
  - Total Sodium (54.2 mg/L)
  - Dissolved Sodium (54.0 mg/L)

Dissolved iron at each of the three stream and the Rail Trail (Stream 1) sample locations were non-detect (<0.278 mg/L). The total sodium concentrations were nearly identical to the dissolved sodium concentrations for the four stations monitored, as expected at these relatively low levels.

The UNT above LA-6 during the wet-weather event was again monitored to be significantly impacted for chloride, iron, manganese and sodium, with the upgradient sources having a greater percentage of parameter of concern loadings than LA-6 leachate as shown in the table below.

	% Loading Upgradient of LA-6	
	Dry weather	Wet Weather
Chloride	71	83
Iron, Total	67	N/A
Manganese, Total	55	63
Sodium, Total	74	84

This table also shows that the LA-6 leachate had a lower impact on the wet weather event than the dry weather event, based on relative contributor loadings. Similarly, the in-stream UNT concentrations for Stream 3 during the dry weather event were moderately to significantly higher than the post-storm event for project parameters of concern – TDS (477 mg/L dry vs. 401 mg/L post-storm – 19% larger), iron (1.49 mg/L vs, 0.44 mg/L – 240%), manganese (0.41 mg/L vs. 0.15 mg/L – 170%) and sodium (60.8 mg/L vs. 53.7 mg/L – 13%).

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The LA-6 leachate has relatively minor impact on the UNT water quality, with increases from Stream 2 to Stream 3 for TDS (383 mg/L to 401 mg/L – 4.7%), and total sodium (50.9 mg/L to 53.7 mg/L – 5.5%) and reductions in total iron (0.59 to 0.44 mg/L) and total manganese (0.16 mg/L to 0.15 mg/L). The metal reductions are likely the result of iron and manganese precipitation.

A slight increase in TDS (401 to 422 mg/L), and sodium (53.7 mg/L to 54.2 mg/L) also occurred from Stream 3 to Stream 4, while total iron, manganese and potassium concentrations decreased slightly across these stations.

2.2.2.3 Post-Stormwater Event Conclusions

Below are the LA-6 leachate impact conclusions based on the results of the post-stormwater monitoring event:

- The Rail Trail (Storm 1) discharge had significantly better parameter of concern water quality than the Main Channel of the UNT at the Stream 1 culvert discharge – TDS (249 mg/L for Storm 1 vs. 424 mg/L for Stream 1), chloride (3.1 mg/L vs. 114 mg/), total iron (0.69 mg/L vs. <0.278 mg/L) and total sodium (2.9 mg/L vs. 66 mg/L).
- The UNT water quality already exceeds Class C standards for TDS, total iron and total sodium before it reaches the stream bed immediately upstream from LA-6.
- The UNT is more heavily impacted by upgradient sources than LA-6 leachate, by an average of more than 3:1 for parameters of concern, which is a greater percentage than the baseline dry weather condition (2:1).
- The LA-6 leachate has relatively minor impact on the UNT water quality, with slight increases (<5.5%) from Stream 2 to Stream 3 for TDS and total sodium and small reductions in total iron and total manganese.
- The in-stream UNT concentrations for Stream 3 during the dry weather event were moderately to significantly higher than the post-storm event for project parameters of concern – TDS, iron, manganese and sodium.

2.2.3 November 19, 2025 Sampling Event (Upstream Baseline Event)

The two (2) initial LA-6 monitoring events indicated that the UNT is already impacted for TDS, total iron and total sodium before interacting with LA-6 leachate downgradient from the Stream 2 sample point. To confirm that the Stream 2 impacts are not the result of LA-6 leachate entering the approximately 500 foot long 36-inch culvert upstream of Stream 1, a composite sample of the main channel UNT as it enters the 36-inch culvert (Stream 0) was collected in conjunction with a sample of the culvert exit (Stream 1) during a dry-weather (no stormwater runoff) event on November 19, 2025.

Each sample was analyzed for TDS, with upgradient Stream 0 monitored at 451 mg/L and downgradient Stream 1 at a slightly lower 437 mg/L.

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Since no increase was identified from the culvert inlet to outlet, it can be concluded that no LA-6 leachate impacts were occurring within the UNT culvert during baseline dry weather conditions. It can also be concluded that the culvert experienced no significant leachate impact during wet-weather influenced conditions, as the upstream UNT sources were a higher percentage of the total Stream 3 loading during baseline conditions than rainfall-influenced conditions.

2.3 Flow Monitoring

PVEDI monitored stream flow with the purpose of quantifying discharge volumes. Stream flow monitoring was conducted at the discharge location of the 36-inch storm sewer, identified on **Figure 3** as Storm Water Sample 1, from the 24-inch storm sewer identified as Storm Water Sample 2, and from the 23-inch storm sewer identified as Storm Water Sample 3. See Table 4 for flow monitoring measurements.

2.4 Conclusions

- The UNT shows water quality impacts for TDS, iron and sodium.
- The UNT is significantly impacted for project parameters of concern before it enters the 36-inch culvert that daylights at Stream 2.
- The upstream UNT sources make up about two-thirds (baseline event) and three-quarters (wet-weather event) of the parameter of concern loadings to the UNT downgradient of LA-6 at Stream 3.
- The LA-6 leachate comprised the balance of the parameter loading at Stream 3.
- The source of the upstream UNT impacts could not be determined from the LA-6 monitoring program that was performed.
- The LA-6 leachate had relatively minor impact on the UNT water quality during wet weather monitoring, with slight increases (<5.5%) from Stream 2 to Stream 3 for TDS and total sodium and small reductions in total iron and total manganese.
- The LA-6 leachate had greater impact on the UNT water quality during dry weather monitoring, with moderate increases (14% to 27%) from Stream 2 to Stream 3 for TDS, chloride, total iron and total sodium and a significant increase (54%) in total manganese.

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3.0 EVALUATION OF REMEDIAL ALTERNATIVES

The following is an evaluation of the proposed alternatives. This evaluation was based on the criteria of effectiveness for treating impacts and implementability. The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the property. The remedial actions described below were developed (in general) based on the following criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community Acceptance;
- Land use; &
- Sustainability.

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3.1 Remedial Alternative: Monitoring

Stream and storm water samples outlined in the Sections described above have revealed significantly less impact from LA-6 leachate than unidentified upstream (off-site) sources. To improve the statistical significance of the monitoring data set for the full range of anticipated hydrologic conditions, enhanced monitoring of the stream and storm water has been proposed.

The proposed monitoring consists of the collection of additional UNT sampling data, mimicking the monitoring nodes and parameters of concern previously characterized for three varied hydrologic conditions, including a “low flow” condition (new hydrologic event), typical baseline flow (repeat of baseline dry weather event) and elevated wet weather flow condition (repeat of post storm water event). The samples would be expected to be collected during available hydrologic conditions in subsequent years and reported in the Periodic Review Report.

The purpose of this additional monitoring would be to provide a higher degree of confidence that UNT water quality will remain insignificantly impacted by landfill leachate under the full range of anticipated UNT hydrologic conditions. The additional leachate characterization data collected could be used for enhanced leachate control options described below.

3.2 Remedial Alternative: Minimization

This remedial alternative consists of the implementation of LA-6 engineered controls to either reduce the rate of leachate generation or limit the contaminant levels of parameters of concern, with possible alternatives summarized below:

- Run-on Control: The site has installed a stormwater diversion ditch to prevent upgradient stormwater runoff from interacting with LA-6 fill materials. The diversion ditch is equipped with an impermeable liner and it is inspected quarterly.
- Capping: Providing an impermeable or semi-impermeable cap on a landfill is a standard practice for minimizing impacts from generated leachate on a receiving stream, by preventing the interaction of stormwater infiltration with subsurface contaminant sources. The LA-6 has been improved under DEC approval with a fully-vegetated, sloped cover with a minimum 2-feet topsoil to minimize erosion and facilitate surface water runoff. Unfortunately, the mechanism of leachate generation in an unauthorized, pre-law landfill such as LA-6 is poorly defined, including the leachate loading from former subsurface upgradient seeps and springs that would not be influenced by improvements in cap permeability. Consequently, efforts to further control LA-6 surface infiltration may not be effective at further reducing the relatively insignificant LA-6 leachate impact. For this reason, further improvement to the LA-6 cap are deemed to be impractical.
- Source Material Removal – Eliminating the source of the contamination by removal from the landfill would likely significantly improve the leachate quality. Because the location of the source(s) of the dissolved iron, manganese and sodium are not well documented, a targeted removal of a specific, limited contaminated source is not available, thus, a significant fill extraction program would be necessary to effect a long-term leachate improvement impact. Since the leachate is LA-6 leachate is currently imparting limited impact to the UNT baseline water quality and due to concerns that disturbing decades of undefined, unconsolidated municipal and institutional waste could expose proximate residential and commercial properties, rail trail hikers and downstream water users to unknown hazards, this LA-6 remedial option is deemed to be inadvisable.
- Containment - Some form of containment along the perimeter of a closed landfill and the receiving stream can limit surface water quality impacts. Because LA-6 is adjacent to and upgradient of the UNT, a standard containment structure such as a slurry wall or sheet piling barrier would be expected to be breached / bypassed with leachate eventually finding its way to the UNT, without some form of extraction, as described in Section 3.3. Consequently, containment alone is deemed to be an infeasible means for minimizing LA-6 impacts on the subject UNT.

3.3 Remedial Alternative: Collection, Extraction, Treatment, Disposal

This remedial alternative consists of the segregation of concentrated LA-6 leachate from the subject UNT.

This alternative would consist of collection, management and disposal of leachate as described below:

- Collection – leachate would be collected from LA-6 either through a series of shallow wells located at the downgradient end of the fill area or at a single extraction point to where leachate was directed by a surface (collection trench) or underground drainage system ("French drain) or a subsurface diversion barrier (e.g., slurry wall or sheet pile wall);
- Extraction – leachate would be extracted to prevent entry to the UNT via either a series of well pumps that run on a timer to create a capture zone or from a duplex, float-activated pumping system.
- Treatment – The monitoring data presented herein identifies that the dissolved oxygen and alkalinity present within the UNT is removing dissolved iron and manganese present within the LA-6 leachate. This reaction could be replicated on-site by providing aeration, supplemental alkalinity and residence time to precipitate and effectively remove dissolved iron and manganese on-site by pumping the leachate to a treatment tank and/or a constructed wetland. This system would not affect sodium removal and would have an expected minimal impact on TDS concentrations.
- Disposal – Due to the routine leachate generation flows monitored during this study of about 7,000 gpd during baseline conditions and up to 40,000 gpd during wet-weather conditions, the feasible disposal options for extracted LA-6 leachate are expected to be limited to publicly owned treatment works (POTW) discharge and return to UNT (following treatment).

Collection, extraction, treatment and on-site or off-site disposal of LA-6 leachate are deemed to potentially be feasible alternatives for mitigating LA-6 impacts to the UNT. Off-site POTW disposal would have a somewhat greater degree of control than the approach of returning treated water to the UNT; both options would be expected to have an insignificant impact on UNT compliance with Class GA GQS standards; consequently, this alternative is deemed to be ineffective.

4.0 CHOSEN REMEDIAL ACTION – ONGOING MONITORING

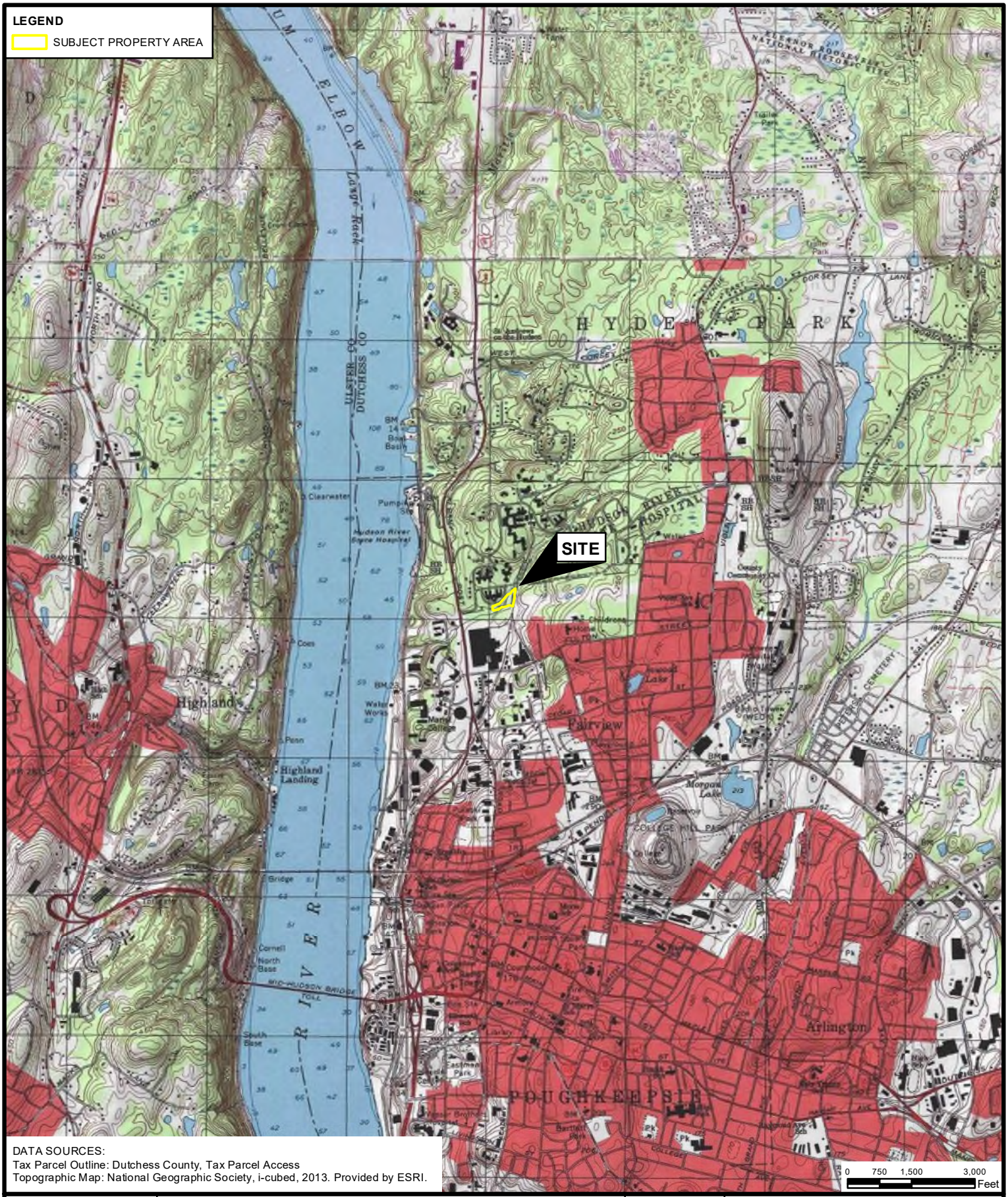
Since in-stream and storm water samples outlined in the LA-6 monitoring program reveal significantly smaller impacts from LA-6 leachate than unidentified upstream, off-site sources, continuous monitoring of the stream and storm water has been chosen, with the proposed collection of additional UNT sampling events, mimicking the monitoring nodes and parameters of concern previously characterized for three varied hydrologic conditions, including a “low flow” condition, typical baseline flow and elevated wet weather flow condition.

The purpose of this would be to improve the statistical significance of the data set to ensure water quality remains insignificantly impacted by landfill leachate for the full range of anticipated hydrologic conditions. Monitoring data would be presented in subsequent PRR(s).

DRAFT

FIGURES

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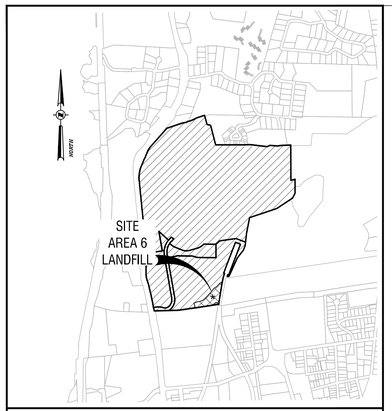


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SITE LOCATION MAP

HUDSON RIVER PSYCHIATRIC CENTER
LANDFILL AREA 6
TOWN OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

PROJECT NO. 560909	FIGURE 1
	DATE: 10/11/2023
	SCALE: AS INDICATED
	PROJECTION: NAD83 STATE PLANE NY EAST
	ALL LOCATIONS APPROXIMATE



VICINITY MAP 1"=1000'

TAX PARCEL NUMBER:

TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK
1. TOWN OF POUGHKEEPSIE: TAX PARCEL 6153-03-027019 (SURVEY IS OVER A PORTION LOT 4 FILED MAP 12668)

FLOOD ZONE NOTE:

PARCELS ARE SHOWN AS BEING WITHIN "OTHER AREAS – ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND FLOOD ZONE "A1" (SPECIAL FLOOD HAZARD AREAS SUBJECT TO THE INUNDATION BY THE 1% ANNUAL CHANCE FLOOD -- NO BASE FLOOD ELEVATIONS DETERMINED) ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF POUGHKEEPSIE, IDENTIFIED AS MAP NUMBER 36027C0336E, BEARING AN EFFECTIVE DATE OF MAY 2, 2012. FLOOD LINE SHOWN HEREON SCALED FROM FEMA MAP.

A PORTION OF THIS SITE WAS RAISED OUT OF THE FLOOD ZONE BY FILL AND IS NOT REFLECTED ON CURRENT FEMA MAPPING OR BY SCALED FLOOD LINE SHOWN ON FILED MAP REFERENCE NO. 1.

WETLANDS NOTE:

WETLAND AND 25' TOWN BUFFER SHOWN HEREON AS PER FIELD DELINEATION ON SEPTEMBER 4, 2015 BY THE CHAZEN COMPANIES AND SURVEY LOCATION COMPLETED BY THIS OFFICE ON OCTOBER 27, 2015.

FILED MAP REFERENCE:

REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "FINAL SUBDIVISION PLAT HUDSON HERITAGE MAJOR SUBDIVISION SECTION 1" DATED JULY 27, 2020 BY CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C., RECORDED IN THE OFFICE OF THE DUTCHESS COUNTY CLERK ON JULY 30, 2020, AS FILED MAP NO. 12668.

MAP NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SURVEYED WITHOUT THE BENEFIT OF A TITLE SEARCH.

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

LOCATION OF EXISTING PROPERTY MARKERS NOT SHOWN OR CERTIFIED BY THIS SURVEY.

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TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM A FIELD SURVEY COMPLETED DECEMBER 19, 2023 BY LABELLA ASSOCIATES PC, DATUM NAVD-88, 1 FOOT CONTOUR INTERVAL.

HORIZONTAL CONTROL IS BASED UPON THE NORTH AMERICAN DATUM OF 1983 NAD83 NY EAST AS DERIVED FROM EXISTING RECORD SITE CONTROL.

UNDERGROUND FACILITIES AND STRUCTURES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORD DRAWINGS. ALL ABOVE GROUND STRUCTURES AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION AND CONSTRUCTION.

DEED REFERENCE:

HUDSON HERITAGE DEVELOPMENT LLC TO EFG/DRA HERITAGE, LLC, DATED NOVEMBER 8, 2013 AND RECORDED IN THE DUTCHESS COUNTY CLERK'S OFFICE ON NOVEMBER 19, 2013 AS DEED DOCUMENT NO. 02-2013-6200.

MAP REFERENCE:

1. REFERENCE IS HEREBY MADE TO A CERTAIN MAP AND PLAN SET ENTITLED "HUDSON HERITAGE DEVELOPMENT, IRM & RAWP AS-BUILT PLAN, FORMER HUDSON RIVER PSYCHIATRIC CENTER", DATED JUNE 2011. MADE BY FUSS AND O'NEILL.
2. REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "HUDSON HERITAGE DEVELOPMENT, IRM & RAWP AS-BUILT PLAN, FORMER HUDSON RIVER PSYCHIATRIC CENTER", DATED JUNE 2011. MADE BY FUSS AND O'NEILL.

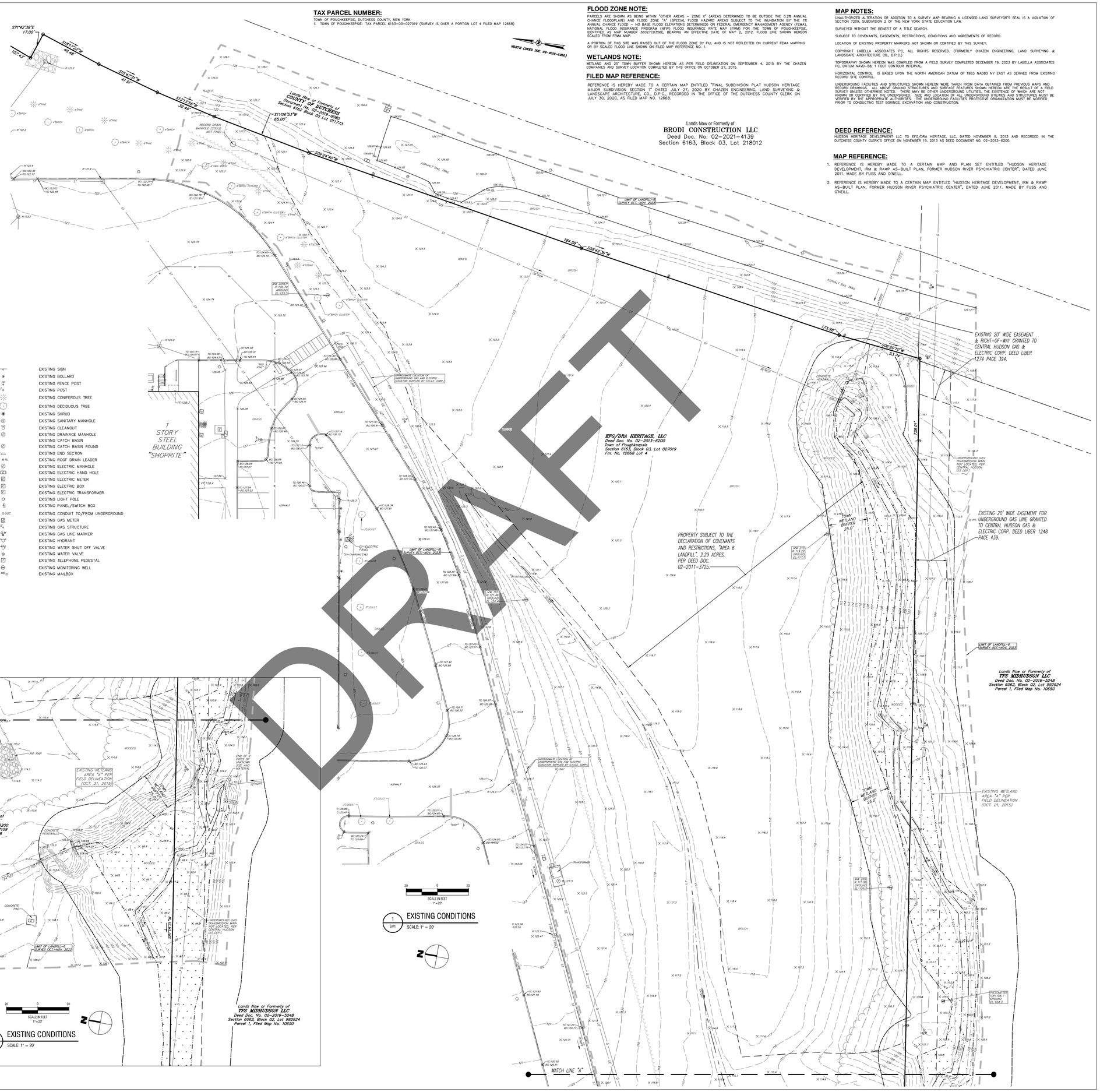
LEGEND:

EXISTING CONDITIONS:

- PROPERTY LINE NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- 110 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 200.3 — EXISTING SPOT GRADE
- BC 200.3 — EXISTING SPOT GRADE BOTTOM CURB
- TC 200.3 — EXISTING SPOT GRADE TOP CURB
- BW 200.3 — EXISTING SPOT BOTTOM WALL
- TW 200.3 — EXISTING SPOT TOP WALL
- FF 200.3 — EXISTING FINISHED FLOOR ELEVATION
- R 216.3 — EXISTING RIM ELEVATION
- I 200.3 — EXISTING INVERT ELEVATION
- TOWN BUFFER LINE
- ACOE WETLANDS LINE
- EXISTING BUILDING
- CONC. CURB — EXISTING CURB/GUTTER
- GRAVEL — EXISTING GRAVEL DRIVEWAY
- EXISTING GUIDERAIL
- X — X — X — EXISTING FENCE
- EXISTING STREAM
- EXISTING TREE LINE
- EXISTING BRUSH LINE
- W — EXISTING WATER LINE
- G — EXISTING GAS LINE
- UE — EXISTING UNDERGROUND ELECTRIC LINE
- 15"RCP — ST — EXISTING UNDERGROUND STORM LINE

SYMBOLS:

- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING FENCE POST
- POST — EXISTING POST
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING SHRUB
- S — EXISTING SANITARY MANHOLE
- EXISTING CLEANOUT
- D — EXISTING DRAINAGE MANHOLE
- EXISTING CATCH BASIN
- EXISTING CATCH BASIN ROUND
- ES — EXISTING END SECTION
- RL — EXISTING ROOF DRAIN LEADER
- E — EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC HAND HOLE
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC BOX
- EXISTING ELECTRIC TRANSFORMER
- EXISTING LIGHT POLE
- EXISTING PANEL/SWITCH BOX
- G-UGC — EXISTING CONDUIT TO/FROM UNDERGROUND
- EXISTING GAS METER
- GAS — EXISTING GAS STRUCTURE
- GLM — EXISTING GAS LINE MARKER
- EXISTING HYDRANT
- EXISTING WATER SHUT OFF VALVE
- EXISTING WATER VALVE
- T — EXISTING TELEPHONE PEDESTAL
- EXISTING MONITORING WELL
- MB — EXISTING MAILBOX



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Poughkeepsie, NY 12601
(845) 454-3980
labellapc.com

EXP: EXP:

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017976
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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CLIENT:

EFG/SABER HERITAGE SC, LLC

115 WILCOX STREET, SUITE 220
CASTLE ROCK, COLORADO 80104

STATE OF NEW YORK — DAVID H. DIPPEL — 050677 — LICENSED LAND SURVEYOR

DAVID H. DIPPEL, L.S. NYS #050677

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED ON DECEMBER 19, 2023 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

PROJECT/SITE:

AREA 6 LANDFILL FORMER HUDSON RIVER PSYCHIATRIC CENTER

WINSLOW GATE ROAD, HUDSON HERITAGE, POUGHKEEPSIE, NEW YORK

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: C281744.00
DRAWN BY: AJF
REVIEWED BY: DHD
ISSUED FOR: NYSDEC REVIEW
DATE: 2/26/2024
DRAWING NAME:

MAP OF EXISTING CONDITIONS OF A PORTION OF FILED MAP NO. 12668 LOT 4

DRAWING NUMBER:

SV1

SHEET 1 OF 1

MAP NO. 5772

Drawing Name: Y:\Jobs\Misc\Projects\Chazen\Projects\281744.01\Design\Civil\281744.01-Boundary Survey\SV1_281744.00_LANDFILL-EX-CONDITIONS.dwg
Xrefs Attached: X-ASSUM_E_B1744-00_XASSUM_E_B1744-00_WATER-SEWER_B1744-00_SSUM_B1744-00_ARCH
Date Plotted: Feb 26, 2024 - 1:08pm



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SAMPLE LOCATION MAP

LANDFILL AREA 6
HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

PROJECT NO.
560909

N

FIGURE 3

DATE: 03/19/2026

SCALE: AS INDICATED

PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE



DATA SOURCES:
Tax Parcel Outline: Dutchess County, Tax ParcelAccess
Survey: Labella, Map of Existing Conditions of a portion of filed map No. 12668 Lot 4, SV-1, 2/26/2024
Basemap: NYS ITS Geospatial Services, Westchester County GIS

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LA-6 FENCE LOCATION

LANDFILL AREA 6
HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

PROJECT NO. 560909

N

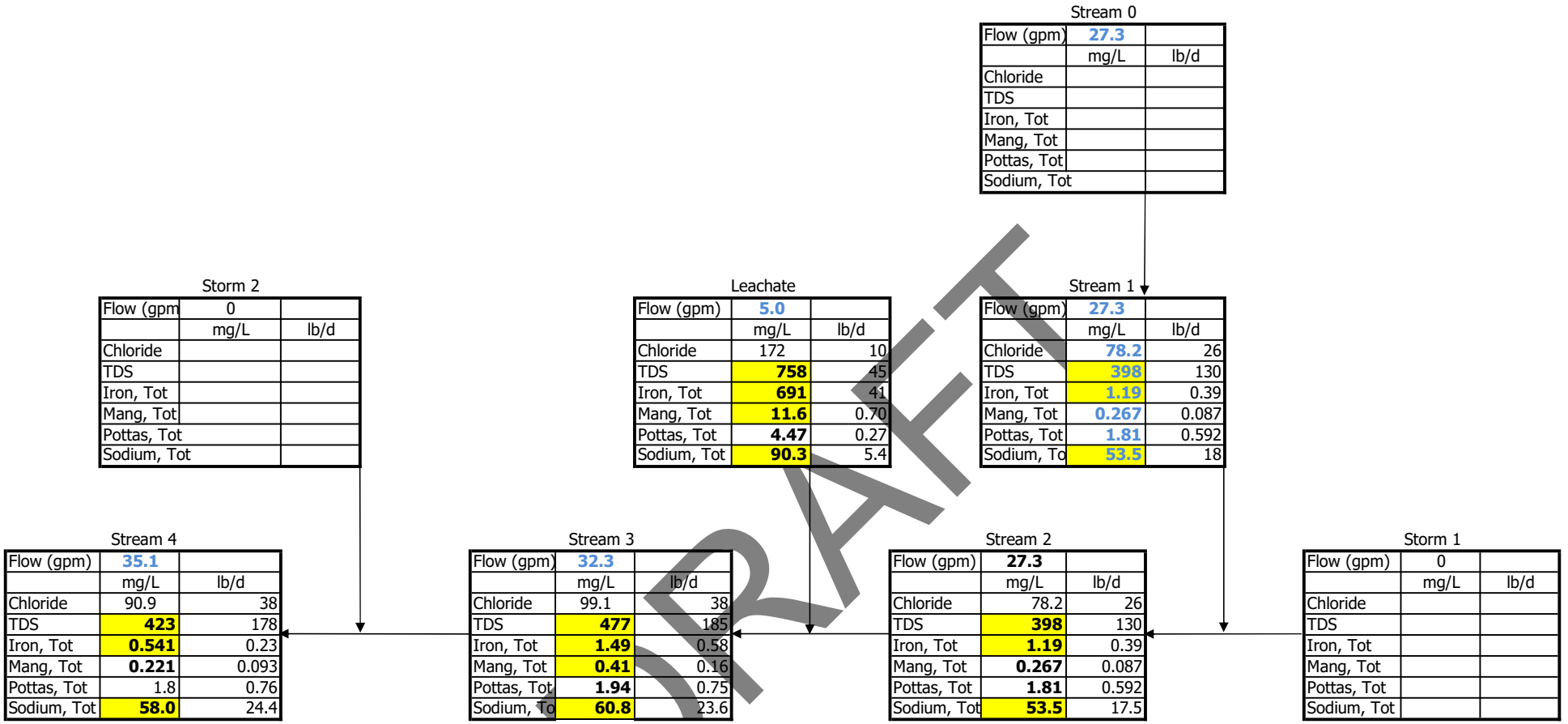
FIGURE 4

DATE: 04/30/2025

SCALE: AS INDICATED

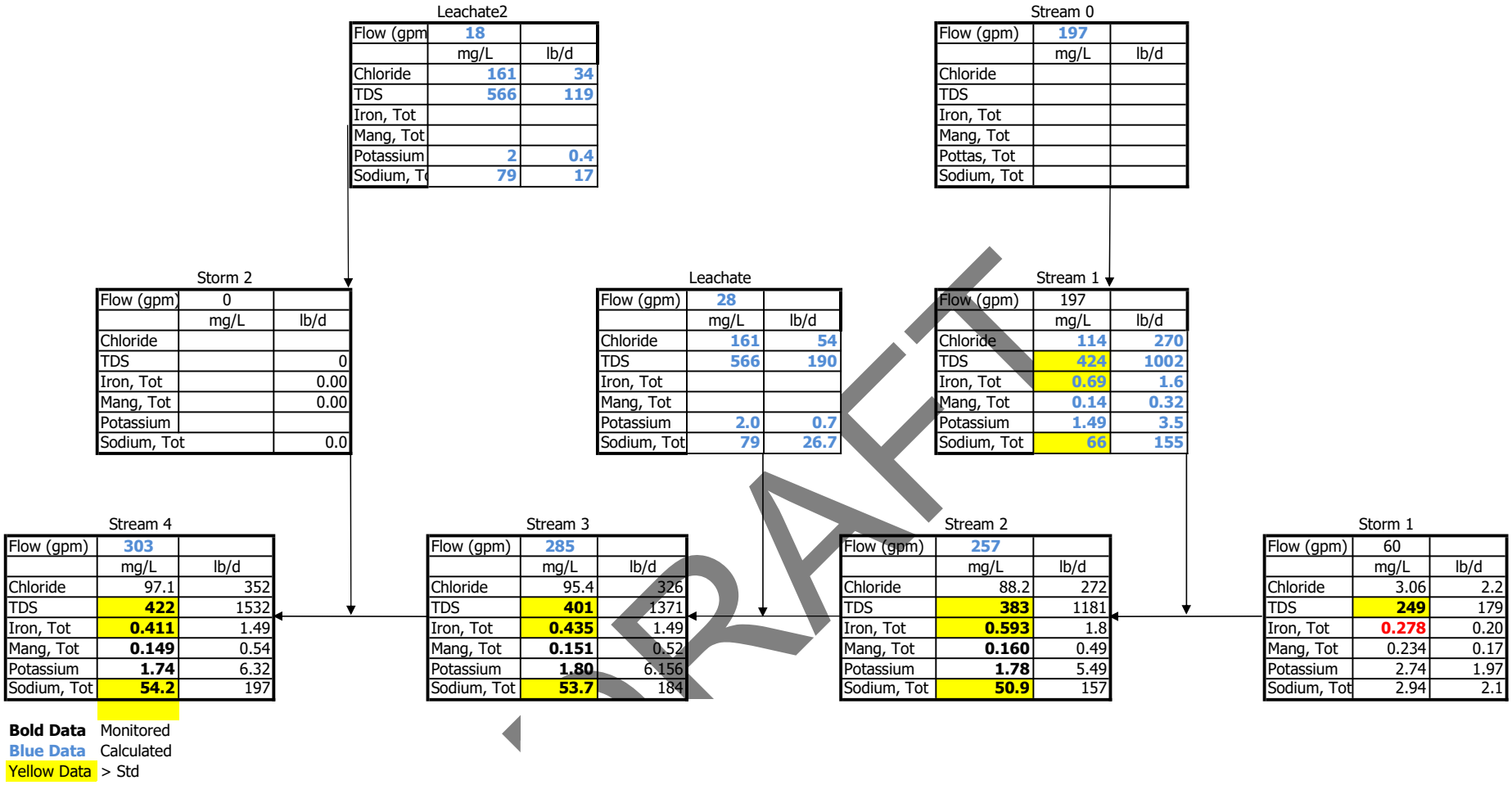
PROJECTION: STATE PLANE NAD83 NY EAST

ALL LOCATIONS APPROXIMATE



Bold Data Monitored
Blue Data Calculated
Yellow Data > Std

Figure 5-1
Landfill Area 6
Hudson River Psychiatric Center
Dry Weather (Baseline) Monitoring



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Figure 5-2
Landfill Area 6
Hudson River Psychiatric Center
Wet Weather Monitoring

TABLES

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Table 1 - Part 360 Routine Parameters in Stream Surface Water Samples
Compared to Class GA Groundwater Quality Standards per 6NYCRR Part 700-705
Landfill Area 6, HRPC
PVE File #560909

					Date Sampled	7/30/2025			7/30/2025			7/30/2025			7/30/2025			7/30/2025			7/30/2025			7/30/2025		
					Location	SSW-2 GRAB2			SSW-2 COMP2			SSW-3 GRAB3			SSW-3 COMP3			SSW-4 GRAB4			SSW-4 COMP4			LEACHATE COMP1		
					Sample ID	SSW-2 GRAB2 20250730			SSW-2 COMP2 20250730			SSW-3 GRAB3 20250730			SSW-3 COMP3 20250730			SSW-4 GRAB4 20250730			SSW-4 COMP4 20250730			LEACHATE COMP1 20250730		
Method	Analyte	CAS RN	CLASS GA	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
Field	pH		NE		8.33	pH		8.33	pH		8.03	pH		8.03	pH		8.15	pH		8.15	pH		7.5	pH	
6010C	Aluminum	7429-90-5	NE		ND< 0.556	mg/l	U	ND< 0.556	mg/l	U	ND< 0.556	mg/l	U	ND< 0.556	mg/l	U	ND< 0.556	mg/l	U	ND< 0.556	mg/l	U	5.93	mg/l	
CALC	Hardness (As CaCO3)	HARD	NE		210	mg/l		209	mg/l		223	mg/l		246	mg/l		224	mg/l		224	mg/l		1060	mg/l	
E300.0	Bromide	24959-67-9	2	mg/l	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U
E300.0	Chloride (As Cl)	16887-00-6	250	mg/l	77.4	mg/l		78.2	mg/l		90.5	mg/l		99.1	mg/l		91.6	mg/l		90.9	mg/l		172	mg/l	
E300.0	Sulfate (As SO4)	14808-79-8	250	mg/l	24.3	mg/l		24.2	mg/l		25.2	mg/l		35.2	mg/l		25.6	mg/l		26.5	mg/l		37.9	mg/l	
E350.3	Nitrogen, Ammonia (As N)	7664-41-7	2	mg/l	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	0.180	mg/l		0.161	mg/l		0.153	mg/l		ND< 0.0500	mg/l	U	1.54	mg/l	
E410.4	COD - Chemical Oxygen Demand	COD	NE		19	mg/l		61	mg/l		36	mg/l		53	mg/l		28	mg/l		61	mg/l		240	mg/l	
E420.1	Total Phenols	64743-03-9	NE		ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U
SM 2320 B	Alkalinity, Total (As CaCO3)	ALK	NE		200	mg/l		200	mg/l		200	mg/l		210	mg/l		210	mg/l		210	mg/l		490	mg/l	
SM2540C	Total Dissolved Solids	E-10173	200	mg/l	**391**	**mg/l**		**398**	**mg/l**		**423**	**mg/l**		**477**	**mg/l**		**416**	**mg/l**		**423**	**mg/l**		**758**	**mg/l**	
SM2540D	Total Suspended Solids	TSS	NE		7.08	mg/l		9.80	mg/l		2.80	mg/l		19.2	mg/l		2.20	mg/l		ND< 2.00	mg/l	U	27800	mg/l	
SM4500	Nitrogen, Nitrate (As N)	14797-55-8	10	mg/l	0.398	mg/l		0.334	mg/l		0.309	mg/l		0.297	mg/l		0.304	mg/l		0.300	mg/l		ND< 0.0500	mg/l	U
SM4500-NORGC	Nitrogen, Kjeldahl, Total	KN	NE		ND< 0.400	mg/l	U	ND< 0.400	mg/l	U	0.400	mg/l		0.400	mg/l		0.485	mg/l		ND< 0.400	mg/l	U	133	mg/l	
SM5210B	Biochemical Oxygen Demand (BOD)	BOD	NE		5.0	mg/l		3.0	mg/l		3.0	mg/l		5.0	mg/l		3.0	mg/l		3.0	mg/l		ND< 120	mg/l	U
SM5310C	Total Organic Carbon	TOC	NE		3.54	mg/l		2.34	mg/l		2.87	mg/l		3.16	mg/l		2.63	mg/l		2.62	mg/l		3.85	mg/l	
TOTAL METALS																										
SW6010	Cadmium	7440-43-9	0.005	mg/l	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	**0.00533**	**mg/l**	
SW6010	Calcium	7440-70-2	NE		70.3	mg/l		69.7	mg/l		74.8	mg/l		82.4	mg/l		75.2	mg/l		75.3	mg/l		378	mg/l	
SW6010	Iron	7439-89-6	0.3	mg/l	**0.811**	**mg/l**		**1.19**	**mg/l**		**0.614**	**mg/l**		**1.49**	**mg/l**		**0.656**	**mg/l**		**0.541**	**mg/l**		**691**	**mg/l**	
SW6010	Lead	7439-92-1	0.025	mg/l	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	**0.046**	**mg/l**	
SW6010	Magnesium	7439-95-4	35	mg/l	8.43	mg/l		8.4	mg/l		8.78	mg/l		9.78	mg/l		8.82	mg/l		8.84	mg/l		29.1	mg/l	
SW6010	Manganese	7439-96-5	0.3	mg/l	0.224	mg/l		0.267	mg/l		0.228	mg/l		**0.41**	**mg/l**		0.221	mg/l		0.221	mg/l		**11.6**	**mg/l**	
SW6010	Potassium	7440-09-7	NE		1.9	mg/l		1.81	mg/l		1.9	mg/l		1.94	mg/l		1.83	mg/l		1.8	mg/l		4.47	mg/l	
SW6010	Sodium	7440-23-5	20	mg/l	**53.1**	**mg/l**		**53.5**	**mg/l**		**57.3**	**mg/l**		**60.8**	**mg/l**		**57.7**	**mg/l**		**58**	**mg/l**		**90.3**	**mg/l**	
DISSOLVED METALS																										
SW6010	Cadmium	7440-43-9	0.005	mg/l	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U
SW6010	Calcium	7440-70-2	NE		71.7	mg/l		83.4	mg/l		75.6	mg/l		70.4	mg/l		76.8	mg/l		75.5	mg/l		103	mg/l	
SW6010	Iron	7439-89-6	0.3	mg/l	ND< 0.278	mg/l	U	ND< 0.278	mg/l	U	ND< 0.278	mg/l	U	ND< 0.278	mg/l	U	ND< 0.278	mg/l	U	ND< 0.278	mg/l	U	**9.12**	**mg/l**	
SW6010	Lead	7439-92-1	0.025	mg/l	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U	ND< 0.00667	mg/l	U
SW6010	Magnesium	7439-95-4	35	mg/l	8.5	mg/l		11.8	mg/l		8.83	mg/l		8.41	mg/l		8.95	mg/l		8.81	mg/l		14.2	mg/l	
SW6010	Manganese	7439-96-5	0.3	mg/l	0.123	mg/l		0.11	mg/l		0.118	mg/l		0.0874	mg/l		0.108	mg/l		0.125	mg/l		**1.09**	**mg/l**	
SW6010	Potassium	7440-09-7	NE		2.02	mg/l		2.66	mg/l		1.78	mg/l		1.83	mg/l		1.92	mg/l		1.79	mg/l		3.07	mg/l	
SW6010	Sodium	7440-23-5	20	mg/l	**54.1**	**mg/l**		**77.9**	**mg/l**		**57.9**	**mg/l**		**54.1**	**mg/l**		**58.8**	**mg/l**		**57.9**	**mg/l**		**73**	**mg/l**	

Notes:
Standards are for Class GA groundwater according to 6NYCRR Part 700-705;
Yellow Shading designates those compounds detected at concentrations exceeding Class GA;
NE = No standard established; &
ND and U = Not detected at MDL for sample.

DRAFT

Table 2 - Part 360 Routine Parameters in Stream Surface Water Samples
Compared to Class GA Groundwater Quality Standards per 6NYCRR Part 700-705
Landfill Area 6, HRPC
PVE File #560909

					Date Sampled	5/12/2025			5/12/2025			5/12/2025			5/12/2025			5/12/2025		
					Location	SSW-1 GRAB1			SSW-2 GRAB2			SSW-3 GRAB3			SSW-4 GRAB4			SSW COMP		
					Sample ID	SSW-1 GRAB1 20250512			SSW-2 GRAB2 20250512			SSW-3 GRAB3 20250512			SSW-4 GRAB4 20250512			SSW COMP 20250512		
Method	Analyte	CAS RN	CLASS GA	Unit		Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
Field	pH		NE			8	pH		8.02	pH		7.93	pH		8.03	pH		NS	pH	
E200.8	Aluminum	7429-90-5	NE			29.5	ug/l		41.2	ug/l		21.2	ug/l		ND< 10.0	ug/l	U	19.7	ug/l	
CALC	Hardness (As CaCO3)	HARD	NE			177	mg/l		210	mg/l		219	mg/l		219	mg/l		205	mg/l	
E300.0	Bromide	24959-67-9	2	mg/l		ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U	ND< 0.200	mg/l	U
E300.0	Chloride (As Cl)	16887-00-6	250	mg/l		3.06	mg/l		88.2	mg/l		95.4	mg/l		97.1	mg/l		58.1	mg/l	
E300.0	Sulfate (As SO4)	14808-79-8	250	mg/l		17.3	mg/l		21.7	mg/l		25.1	mg/l		26.1	mg/l		21.8	mg/l	
E350.3	Nitrogen, Ammonia (As N)	7664-41-7	2	mg/l		0.103	mg/l		0.112	mg/l		ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U	ND< 0.0500	mg/l	U
E410.4	COD - Chemical Oxygen Demand	COD	NE			ND< 10	mg/l	U	36	mg/l		45	mg/l		55	mg/l		45	mg/l	
E420.1	Total Phenols	64743-03-9	NE			0.487	mg/l		0.511	mg/l		0.519	mg/l		0.487	mg/l		0.495	mg/l	
SM 2320 B	Alkalinity, Total (As CaCO3)	ALK	NE			170	mg/l		200	mg/l		190	mg/l		190	mg/l		180	mg/l	
SM2540C	Total Dissolved Solids	E-10173	200	mg/l		**249**	**mg/l**		**383**	**mg/l**		**401**	**mg/l**		**422**	**mg/l**		**347**	**mg/l**	
SM2540D	Total Suspended Solids	TSS	NE			2.20	mg/l		2.00	mg/l		2.20	mg/l		3.80	mg/l		ND< 2.00	mg/l	U
SM4500	Nitrogen, Nitrate (As N)	14797-55-8	10	mg/l		0.0897	mg/l		0.789	mg/l		0.588	mg/l		0.547	mg/l		0.409	mg/l	
SM4500-NORGC	Nitrogen, Kjeldahl, Total	KN	NE			0.489	mg/l		0.494	mg/l		ND< 0.400	mg/l	U	ND< 0.400	mg/l	U	0.434	mg/l	
SM5210B	Biochemical Oxygen Demand (BOD)	BOD	NE			8.0	mg/l		3.0	mg/l		2.5	mg/l		3.5	mg/l		4.0	mg/l	
SM5310C	Total Organic Carbon	TOC	NE			6.30	mg/l		3.94	mg/l		3.92	mg/l		3.94	mg/l		4.89	mg/l	
TOTAL METALS																				
SW6010	Cadmium	7440-43-9	0.005	mg/l		ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U
SW6010	Calcium	7440-70-2	NE			62.7	mg/l		70.3	mg/l		73.4	mg/l		73.4	mg/l		70.2	mg/l	
SW6010	Iron	7439-89-6	0.3	mg/l		ND< 0.278	mg/l		**0.593**	**mg/l**		**0.435**	**mg/l**		**0.411**	**mg/l**		**0.314**	**mg/l**	
SW6010	Lead	7439-92-1	0.025	mg/l		ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U
SW6010	Magnesium	7439-95-4	35	mg/l		4.97	mg/l		8.36	mg/l		8.74	mg/l		8.77	mg/l		7.33	mg/l	
SW6010	Manganese	7439-96-5	0.3	mg/l		0.234	mg/l		0.160	mg/l		0.151	mg/l		0.149	mg/l		0.187	mg/l	
SW6010	Potassium	7440-09-7	NE			2.67	mg/l		1.81	mg/l		1.82	mg/l		1.80	mg/l		2.26	mg/l	
SW6010	Sodium	7440-23-5	20	mg/l		2.94	mg/l		**50.9**	**mg/l**		**53.7**	**mg/l**		**54.2**	**mg/l**		**34.5**	**mg/l**	
DISSOLVED METALS																				
SW6010	Cadmium	7440-43-9	0.005	mg/l		ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U	ND< 0.00333	mg/l	U
SW6010	Calcium	7440-70-2	NE			67.2	mg/l	B	70.4	mg/l	B	73.7	mg/l	B	74.0	mg/l	B	70.7	mg/l	B
SW6010	Iron	7439-89-6	0.3	mg/l		ND< 0.278	mg/l	U	ND< 0.278	mg/l		ND< 0.278	mg/l		ND< 0.278	mg/l		ND< 0.278	mg/l	
SW6010	Lead	7439-92-1	0.025	mg/l		ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U	ND< 0.00556	mg/l	U
SW6010	Magnesium	7439-95-4	35	mg/l		5.21	mg/l		8.32	mg/l		8.70	mg/l		8.73	mg/l		7.30	mg/l	
SW6010	Manganese	7439-96-5	0.3	mg/l		0.0943	mg/l		0.130	mg/l		0.134	mg/l		0.135	mg/l		0.0267	mg/l	
SW6010	Potassium	7440-09-7	NE			2.74	mg/l	B	1.78	mg/l	B	1.80	mg/l	B	1.74	mg/l	B	2.17	mg/l	B
SW6010	Sodium	7440-23-5	20	mg/l		3.07	mg/l		**50.6**	**mg/l**		**53.7**	**mg/l**		**54.0**	**mg/l**		**34.4**	**mg/l**	

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Notes:
Standards are for Class GA groundwater according to 6NYCRR Part 700-705;
Yellow Shading designates those compounds detected at concentrations exceeding Class GA;
NE = No standard established;
ND and U = Not detected at MDL for sample;
B = Analyte found in the associated analysis batch blank; &
NS = Not Samples.

Table 3 - Total Dissolved Solids in Stream Surface Water Samples
Compared to Class GA Groundwater Quality Standards per 6NYCRR Part 700-705
Landfill Area 6, HRPC
PVE File #560909

				Date Sampled	11/19/2025			11/19/2025			
				Location	SSW-0 Grab 0			Storm-2 Grab 2			
				Sample ID	SSW-0 Grab 0 20251119			Sstorm-2 Grab 2 20251119			
Method	Analyte	CAS RN	CLASS GA	Unit	Result	Unit	Q	Result	Unit	Q
SM2540C	Total Dissolved Solids	E-10173	200	mg/l	**451**	**mg/l**		**437**	**mg/l**	

Notes:
Standards are for Class GA groundwater according to 6NYCRR Part 700-705;
Yellow Shading designates those compounds detected at concentrations exceeding Class GA;
NE = No standard established; &
ND and U = Not detected at MDL for sample.

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Measured During Every Sampling Event

Location / Sample ID	Date of Measurement	Depth of Water in Culvert	Slope of Culvert	Condition of Culvert	Material of Culvert	Sediment Thickness in Culvert	Estimates Flow per Minute	Culvert Diameter	Conductivity	D.O. (mg/L)		pH	Sampled
Storm 1 / Storm-1 Grab 1	5/12/2025	2 inches	109.5	Good	Plastic (smooth)	None	5-Gallons in 5 Seconds	24"	Not Measured	Not Measured		Not Measured	No
Storm 2 / Storm-2 Grab 2	5/12/2025	8.5 inches	106.3	Good	Cement (smooth)	0.5 inch	5-Gallons in 1.52 Seconds	36"	Not Measured	Not Measured		Not Measured	No
Storm 3 / Storm-3 Grab 3	5/12/2025	0.15 inches	N/A	Good	Cement (smooth)	0.25 inch	No Flow	23"	Not Measured	Not Measured		Not Measured	No
Storm 1 / Storm-1 Grab 1	7/30/2025	Dry	109.5	Good	Plastic (smooth)	N/A	Dry	24"	N/A	N/A		N/A	No
Storm 2 / Storm-2 Grab 2	7/30/2025	3 inches	106.3	Good	Cement (smooth)	N/A	5-Gallons in 11 Seconds	36"	635	7.79		8.45	No
Storm 3 / Storm-3 Grab 3	7/30/2025	Dry	N/A	Good	Cement (smooth)	1/8 inch	Dry	23"	N/A	N/A		N/A	No
Storm 2 / Storm-2 Grab 2	11/19/2025	Not Measured	106.3	Good	Cement (smooth)	Not Measured	5-Gallons in 15.5 Seconds	36"	794	Not Measured		Not Measured	Yes

Sampled 3-Days After Significant Rain Event

Location / Sample ID	Date of Measurement / Sampling	Depth of Water	pH	Estimates Flow per Minute	Conductivity	D.O. (mg/L)	Temp.	Sampled
Stream 1 / SSW-1 Grab 1	5/12/2025	20 inches	8	Stagnant Water (No Flow)	Not Measured	Not Measured	Not Measured	Yes
Stream 2 / SSW-2 Grab 2	5/12/2025	24 inches	8.02	5-Gallons in 1.97 Seconds	Not Measured	Not Measured	Not Measured	Yes
Stream 3 / SSW-3 Grab 3	5/12/2025	6 inches	7.93	5-Gallons in 21.53 Seconds	Not Measured	Not Measured	Not Measured	Yes
Stream 4 / SSW-4 Grab 4	5/12/2025	9.5 inches	8.03	5-Gallons in 4.15 Seconds	Not Measured	Not Measured	Not Measured	Yes

Sampled 7-Days After Significant Rain Event

Location / Sample ID	Date of Measurement / Sampling	Depth of Water	pH	Estimates Flow per Minute	Conductivity	D.O. (mg/L)	Temp.	Sampled
Stream 1 / SSW-1 Grab 1	7/30/2025	Dry	N/A	N/A	N/A	N/A	N/A	Yes
Stream 2 / SSW-2 Grab 2	7/30/2025	18 inches	8.33	5-Gallons in 11 Seconds	659	5.07	18.2	Yes
Stream 3 / SSW-3 Grab 3	7/30/2025	4 inches	8.03	5-Gallons in 23 Seconds	702	4.93	19.9	Yes
Stream 4 / SSW-4 Grab 4	7/30/2025	4.25 inches	8.15	5-Gallons in 16 Seconds	713	5.35	19.4	Yes
Leachate Comp 1	7/30/2025	2.5 inches	7.5	Stagnant Leachate (No Flow)	1,216	0.63	19.2	Yes

TDS Sample Event

Location / Sample ID	Date of Measurement / Sampling	Estimates Flow per Minute	Conductivity	Sampled
Stream 0 / SSW-0 Grab 0	11/19/2025	5-gallons in 10.5 Seconds	783	Yes

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APPENDIX A

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Technical Report

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prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

Report Date: 05/19/2025
Client Project ID: 560909 LA-6 CM
York Project (SDG) No.: 25E0723

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/19/2025
Client Project ID: 560909 LA-6 CM
York Project (SDG) No.: 25E0723

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

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 12, 2025 and listed below. The project was identified as your project: **560909 LA-6 CM**.

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.

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York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25E0723-01	SSW-1 Grab1 20250512	Ground Water	05/12/2025	05/12/2025
25E0723-02	SSW-2 Grab2 20250512	Ground Water	05/12/2025	05/12/2025
25E0723-03	SSW-3 Grab3 20250512	Ground Water	05/12/2025	05/12/2025
25E0723-04	SSW-4 Grab4 20250512	Ground Water	05/12/2025	05/12/2025
25E0723-05	SSW Comp 20250512	Ground Water	05/12/2025	05/12/2025

General Notes for York Project (SDG) No.: 25E0723

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

Cassie L. Mosher
Laboratory Manager

Date: 05/19/2025

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Sample Information

Client Sample ID: SSW-1 Grab1 20250512 **York Sample ID:** 25E0723-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 11:40 am	05/12/2025

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**62.7**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**67.2**	M-BS	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**177**		mg/L	1.11	1	SM 2340B-2011	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

DRAFT

Sample Information

Client Sample ID: SSW-1 Grab1 20250512 **York Sample ID:** 25E0723-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 11:40 am	05/12/2025

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**4.97**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**5.21**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.234**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0943**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-1 Grab1 20250512 **York Sample ID:** 25E0723-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 11:40 am	05/12/2025

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**2.67**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**2.74**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**2.94**		mg/L	0.556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**3.07**	M-BS	mg/L	0.556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:54	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Aluminum by EPA 200.8

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**29.5**		ug/L	10.0	1	EPA 200.8	05/13/2025 14:22	05/15/2025 15:30	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	05/12/2025 23:07	05/12/2025 23:07	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

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**	**3.06**		mg/L	0.0690	0.500	1	EPA 300.0	05/12/2025 23:07	05/12/2025 23:07	DNP
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04			

DRAFT

Sample Information

Client Sample ID: SSW-1 Grab1 20250512 **York Sample ID:** 25E0723-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 11:40 am	05/12/2025

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**	**0.0897**		mg/L	0.0500	1	EPA 300.0	05/12/2025 23:07	05/12/2025 23:07	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

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
14808-79-8	**Sulfate**	**17.3**		mg/L	1.00	1	EPA 300.0	05/12/2025 23:07	05/12/2025 23:07	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**170**		mg/L	2.0	1	SM 2320B	05/13/2025 06:27	05/13/2025 15:34	SMM
							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**	**0.103**		mg/L	0.0500	1	SM 4500-NH3 D	05/14/2025 10:49	05/14/2025 10:49	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**8.0**	BOD-D IFF	mg/L	2.9	2.9	SM 5210 B-2016	05/14/2025 08:44	05/19/2025 12:49	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	Chemical Oxygen Demand (COD)	ND		mg/L	10	1	SM 5220 D	05/13/2025 11:02	05/13/2025 11:02	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Phenols, 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
64743-03-9	**Phenols, total**	**0.487**		mg/L	0.0500	1	EPA 420.1/2	05/16/2025 08:41	05/16/2025 16:34	BF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-1 Grab1 20250512 **York Sample ID:** 25E0723-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 11:40 am	05/12/2025

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	**0.489**		mg/L	0.400	5	SM 4500-N Org D	05/13/2025 16:25	05/14/2025 12:52	tcd
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**6.30**		mg/L	1.00	1	SM 5310B-2014	05/14/2025 06:21	05/14/2025 17:20	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**249**		mg/L	10.0	1	SM 2540C-2015	05/13/2025 16:56	05/13/2025 16:56	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**2.20**	Z-01	mg/L	2.00	1	SM 2540D-2015	05/13/2025 06:16	05/13/2025 13:25	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250512 **York Sample ID:** 25E0723-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:05 pm	05/12/2025

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

Sample Information

Client Sample ID: SSW-2 Grab2 20250512 **York Sample ID:** 25E0723-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:05 pm	05/12/2025

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**70.3**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**70.4**	M-BS	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**210**		mg/L	1.11	1	SM 2340B-2011	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.593**		mg/L	0.278	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

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Sample Information

Client Sample ID: SSW-2 Grab2 20250512 **York Sample ID:** 25E0723-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:05 pm	05/12/2025

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.36**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.32**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.160**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.130**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.81**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.78**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: SSW-2 Grab2 20250512 **York Sample ID:** 25E0723-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:05 pm	05/12/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**50.9**		mg/L	0.556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:39	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**50.6**	M-BS	mg/L	0.556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:56	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Aluminum by EPA 200.8

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**41.2**		ug/L	10.0	1	EPA 200.8	05/13/2025 14:22	05/15/2025 15:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	05/12/2025 23:46	05/12/2025 23:46	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**88.2**		mg/L	0.345	2.50	5	EPA 300.0	05/14/2025 03:09	05/14/2025 03:09	DNP
								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**	**0.789**		mg/L	0.0500	1	EPA 300.0	05/12/2025 23:46	05/12/2025 23:46	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

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
14808-79-8	**Sulfate**	**21.7**		mg/L	1.00	1	EPA 300.0	05/12/2025 23:46	05/12/2025 23:46	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-2 Grab2 20250512 **York Sample ID:** 25E0723-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:05 pm	05/12/2025

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**	**200**		mg/L	2.0	1	SM 2320B	05/13/2025 06:27	05/13/2025 15:34	SMM
							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**	**0.112**		mg/L	0.0500	1	SM 4500-NH3 D	05/14/2025 10:49	05/14/2025 10:49	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**3.0**		mg/L	2.3	2.32	SM 5210 B-2016	05/14/2025 08:44	05/19/2025 12:49	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**36**		mg/L	10	1	SM 5220 D	05/13/2025 11:02	05/13/2025 11:02	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	**Phenols, total**	**0.511**		mg/L	0.0500	1	EPA 420.1/2	05/16/2025 08:41	05/16/2025 16:34	BF
							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	**0.494**		mg/L	0.400	5	SM 4500-N Org D	05/13/2025 16:25	05/14/2025 12:52	tcd
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**3.94**		mg/L	1.00	1	SM 5310B-2014	05/14/2025 06:21	05/14/2025 17:20	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250512 **York Sample ID:** 25E0723-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:05 pm	05/12/2025

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**383**		mg/L	10.0	1	SM 2540C-2015	05/13/2025 16:56	05/13/2025 16:56	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**2.00**	Z-01	mg/L	2.00	1	SM 2540D-2015	05/13/2025 06:16	05/13/2025 13:25	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-3 Grab3 20250512 **York Sample ID:** 25E0723-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:40 pm	05/12/2025

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**73.4**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

DRAFT

Sample Information

Client Sample ID: SSW-3 Grab3 20250512 **York Sample ID:** 25E0723-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:40 pm	05/12/2025

Calcium, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**73.7**	M-BS	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**219**		mg/L	1.11	1	SM 2340B-2011	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.435**		mg/L	0.278	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.74**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-3 Grab3 20250512 **York Sample ID:** 25E0723-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:40 pm	05/12/2025

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.70**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.151**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.134**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.82**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.80**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**53.7**		mg/L	0.556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**53.7**	M-BS	mg/L	0.556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:57	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-3 Grab3 20250512 **York Sample ID:** 25E0723-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:40 pm	05/12/2025

Aluminum by EPA 200.8

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**21.2**		ug/L	10.0	1	EPA 200.8	05/13/2025 14:22	05/15/2025 15:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	05/13/2025 00:18	05/13/2025 00:18	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**95.4**		mg/L	0.345	2.50	5	EPA 300.0	05/14/2025 03:20	05/14/2025 03:20	DNP
								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**	**0.588**		mg/L	0.0500	1	EPA 300.0	05/13/2025 00:18	05/13/2025 00:18	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

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
14808-79-8	**Sulfate**	**25.1**		mg/L	1.00	1	EPA 300.0	05/13/2025 00:18	05/13/2025 00:18	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**190**		mg/L	2.0	1	SM 2320B	05/13/2025 06:27	05/13/2025 15:34	SMM
							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: SSW-3 Grab3 20250512 **York Sample ID:** 25E0723-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:40 pm	05/12/2025

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	05/14/2025 10:49	05/14/2025 10:49	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**2.5**	BOD-D IFF	mg/L	2.3	2.32	SM 5210 B-2016	05/14/2025 08:44	05/19/2025 12:49	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**45**		mg/L	10	1	SM 5220 D	05/13/2025 11:02	05/13/2025 11:02	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	**Phenols, total**	**0.519**		mg/L	0.0500	1	EPA 420.1/2	05/16/2025 08:41	05/16/2025 16:34	BF
							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	ND		mg/L	0.400	5	SM 4500-N Org D	05/13/2025 16:25	05/14/2025 12:52	tcd
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**3.92**		mg/L	1.00	1	SM 5310B-2014	05/14/2025 06:21	05/14/2025 17:20	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**401**		mg/L	10.0	1	SM 2540C-2015	05/13/2025 16:56	05/13/2025 16:56	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-3 Grab3 20250512 **York Sample ID:** 25E0723-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 12:40 pm	05/12/2025

Total Suspended Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**2.20**	Z-01	mg/L	2.00	1	SM 2540D-2015	05/13/2025 06:16	05/13/2025 13:25	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-4 Grab4 20250512 **York Sample ID:** 25E0723-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:00 pm	05/12/2025

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**73.4**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**74.0**	M-BS	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

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Sample Information

Client Sample ID: SSW-4 Grab4 20250512 **York Sample ID:** 25E0723-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:00 pm	05/12/2025

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**219**		mg/L	1.11	1	SM 2340B-2011	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.411**		mg/L	0.278	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.77**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.73**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-4 Grab4 20250512 **York Sample ID:** 25E0723-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:00 pm	05/12/2025

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.149**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.135**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.80**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.74**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**54.2**		mg/L	0.556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:42	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**54.0**	M-BS	mg/L	0.556	1	EPA 6010D	05/13/2025 09:55	05/14/2025 10:59	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Aluminum by EPA 200.8

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	10.0	1	EPA 200.8	05/13/2025 14:22	05/15/2025 15:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-4 Grab4 20250512 **York Sample ID:** 25E0723-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:00 pm	05/12/2025

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	05/13/2025 00:29	05/13/2025 00:29	DNP
							Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440			

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**	**97.1**		mg/L	0.345	2.50	5	EPA 300.0	05/14/2025 04:41	05/14/2025 04:41	DNP
								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**	**0.547**		mg/L	0.0500	1	EPA 300.0	05/13/2025 00:29	05/13/2025 00:29	DNP
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

Sulfate as SO4

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
14808-79-8	**Sulfate**	**26.1**		mg/L	1.00	1	EPA 300.0	05/13/2025 00:29	05/13/2025 00:29	DNP
							Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04			

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**	**190**		mg/L	2.0	1	SM 2320B	05/13/2025 06:27	05/13/2025 15:34	SMM
							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	05/14/2025 10:49	05/14/2025 10:49	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**3.5**		mg/L	2.3	2.32	SM 5210 B-2016	05/14/2025 08:44	05/19/2025 12:49	STW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04			

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Sample Information

Client Sample ID: SSW-4 Grab4 20250512 **York Sample ID:** 25E0723-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:00 pm	05/12/2025

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**55**		mg/L	10	1	SM 5220 D	05/13/2025 11:02	05/13/2025 11:02	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	**Phenols, total**	**0.487**		mg/L	0.0500	1	EPA 420.1/2	05/16/2025 08:41	05/16/2025 16:34	BF
							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	ND		mg/L	0.400	5	SM 4500-N Org D	05/13/2025 16:25	05/14/2025 12:52	tcd
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**3.94**		mg/L	1.00	1	SM 5310B-2014	05/14/2025 06:21	05/14/2025 17:20	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**422**		mg/L	10.0	1	SM 2540C-2015	05/13/2025 16:56	05/13/2025 16:56	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**3.80**	Z-01	mg/L	2.00	1	SM 2540D-2015	05/13/2025 06:16	05/13/2025 13:25	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW Comp 20250512 **York Sample ID:** 25E0723-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:30 pm	05/12/2025

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**70.2**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**70.7**	M-BS	mg/L	0.0556	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**205**		mg/L	1.11	1	SM 2340B-2011	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.314**		mg/L	0.278	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

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Sample Information

Client Sample ID: SSW Comp 20250512 **York Sample ID:** 25E0723-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:30 pm	05/12/2025

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**7.33**		mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**7.30**		mg/L	0.0556	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.187**		mg/L	0.00556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0267**		mg/L	0.00556	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**2.26**	M-BS, B	mg/L	0.0556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: SSW Comp 20250512 **York Sample ID:** 25E0723-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:30 pm	05/12/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**2.17**		mg/L	0.0556	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**34.5**		mg/L	0.556	1	EPA 6010D	05/13/2025 09:34	05/14/2025 12:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**34.4**		mg/L	0.556	1	EPA 6010D	05/13/2025 15:16	05/14/2025 11:27	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Aluminum by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**19.7**		ug/L	10.0	1	EPA 200.8	05/13/2025 14:22	05/15/2025 15:43	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	05/13/2025 00:39	05/13/2025 00:39	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

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**	**58.1**		mg/L	0.345	2.50	5	EPA 300.0	05/14/2025 01:02	05/14/2025 01:02	DNP
								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**	**0.409**		mg/L	0.0500	1	EPA 300.0	05/13/2025 00:39	05/13/2025 00:39	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

Log-in Notes:

Sample Notes:

DRAFT

Sample Information

Client Sample ID: SSW Comp 20250512 **York Sample ID:** 25E0723-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:30 pm	05/12/2025

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
14808-79-8	**Sulfate**	**21.8**		mg/L	1.00	1	EPA 300.0	05/13/2025 00:39	05/13/2025 00:39	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**180**		mg/L	2.0	1	SM 2320B	05/13/2025 06:27	05/13/2025 15:34	SMM
							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	05/14/2025 10:49	05/14/2025 10:49	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**4.0**		mg/L	2.9	2.9	SM 5210 B-2016	05/14/2025 08:44	05/19/2025 12:49	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**45**		mg/L	10	1	SM 5220 D	05/13/2025 11:02	05/13/2025 11:02	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	**Phenols, total**	**0.495**		mg/L	0.0500	1	EPA 420.1/2	05/16/2025 08:41	05/16/2025 16:34	BF
							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	**0.434**		mg/L	0.400	5	SM 4500-N Org D	05/13/2025 16:25	05/14/2025 12:52	tcd
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

Log-in Notes: **Sample Notes:**

DRAFT

Sample Information

Client Sample ID: SSW Comp 20250512 **York Sample ID:** 25E0723-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25E0723	560909 LA-6 CM	Ground Water	May 12, 2025 1:30 pm	05/12/2025

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
TOC	**Total Organic Carbon (TOC)**	**4.89**		mg/L	1.00	1	SM 5310B-2014	05/14/2025 06:21	05/14/2025 17:20	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**347**		mg/L	10.0	1	SM 2540C-2015	05/13/2025 16:56	05/13/2025 16:56	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	Total Suspended Solids	ND	Z-01	mg/L	2.00	1	SM 2540D-2015	05/13/2025 06:16	05/13/2025 13:25	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

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Sample and Data Qualifiers Relating to This Work Order

Z-01	mg RESIDUE IS LESS THAN 2.5mg
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI 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.

DRAFT

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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

YORK Project No. 25E0723

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PVE Engineering	Company:	Company:	560909	RUSH - Next Day
Address: 48 Springside Avenue Poughkeepsie, NY 12603	Address:	Address:	YOUR Project Name	RUSH - Two Day
Phone.: 845-454-2548	Phone.:	Phone.: same		RUSH - Three Day
Contact: Trevor Treglia	Contact: same	Contact: Tara Alvarado	LA-6 CM	RUSH - Four Day
E-mail: ttreglia@pvellc.com	E-mail:	E-mail: talvarado@pve-llc.com	YOUR PO#: 560909	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Trevor Treglia
Samples Collected by: (print your name above and sign below)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report; CT RCP; Standard Excel EDD
QA Report; CT RCP DQA/DUE; EQuIS (Standard)
NY ASP A Package; NJDEP Reduced Deliverables; NYSDEC EQuIS
NY ASP B Package; NJDEP SRP HazSite
NJDKQP; Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SSW-1 Grab 1 20250512	GW	5/12/25 11:40	• Full List of Part 360 Routine Parameters,	-12 Containers (each)
SSW-2 Grab 2 20250512	GW	/12:05	• TSS, and	
SSW-3 Grab 3 20250512	GW	/12:40	• Aluminum, (All samples)	
SSW-4 Grab 4 20250512	GW	/13:00		
SSW Comp 20250512	GW	/13:30	• Total/Dissolved Metals: Iron, Manganese, and Aluminum. (comp sample only)	

Comments:
• Week after rain event (surface water)

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
TT / PVE	5/12/25 15:08		5/12/25 15:08		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
			5/12/25 18:30		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				TR	5/12/25 18:30 — 1.9°C Degrees C

Technical Report

DRAFT

prepared for:

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

Report Date: 08/13/2025
Client Project ID: 560909- LA-6 CM
York Project (SDG) No.: 25G1959

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 08/13/2025
Client Project ID: 560909- LA-6 CM
York Project (SDG) No.: 25G1959

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

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 30, 2025 and listed below. The project was identified as your project: **560909- LA-6 CM**.

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.

DRAFT

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25G1959-01	SSW-2 Grab2 20250730	Ground Water	07/30/2025	07/30/2025
25G1959-02	SSW-3 Grab3 20250730	Ground Water	07/30/2025	07/30/2025
25G1959-03	SSW-4 Grab4 20250730	Ground Water	07/30/2025	07/30/2025
25G1959-04	SSW-2 Comp2 20250730	Ground Water	07/30/2025	07/30/2025
25G1959-05	SSW-3 Comp3 20250730	Ground Water	07/30/2025	07/30/2025
25G1959-06	SSW-4 Comp4 20250730	Ground Water	07/30/2025	07/30/2025
25G1959-07	Leachate Comp1 20250730	Waste Water	07/30/2025	07/30/2025

General Notes for York Project (SDG) No.: 25G1959

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

Cassie L. Mosher
Laboratory Manager

Date: 08/13/2025

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250730 **York Sample ID:** 25G1959-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:25 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**70.3**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**71.7**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**210**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.811**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250730 **York Sample ID:** 25G1959-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:25 am	07/30/2025

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.43**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.50**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.224**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.123**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250730 **York Sample ID:** 25G1959-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:25 am	07/30/2025

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.90**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**2.02**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**53.1**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:32	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**54.1**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

TOC,

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/31/2025 01:19	07/31/2025 01:19	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**77.4**		mg/L	0.345	2.50	5	EPA 300.0	08/01/2025 06:05	08/01/2025 06:05	DNP
								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**	**0.398**		mg/L	0.0500	1	EPA 300.0	07/31/2025 01:19	07/31/2025 01:19	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250730 **York Sample ID:** 25G1959-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:25 am	07/30/2025

Sulfate as SO4

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
14808-79-8	**Sulfate**	**24.3**		mg/L	1.00	1	EPA 300.0	07/31/2025 01:19	07/31/2025 01:19	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**200**		mg/L	2.0	1	SM 2320B	08/01/2025 10:24	08/01/2025 15:04	BNF
							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	07/31/2025 10:25	07/31/2025 10:25	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**5.0**	BOD-DIFF	mg/L	2.4	2.35	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**19**		mg/L	10	1	SM 5220 D	08/01/2025 08:28	08/04/2025 09:30	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	ND		mg/L	0.400	5	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

DRAFT

Sample Information

Client Sample ID: SSW-2 Grab2 20250730 **York Sample ID:** 25G1959-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:25 am	07/30/2025

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**3.54**		mg/L	1.00	1	SM 5310B-2014	07/31/2025 06:18	07/31/2025 17:20	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**391**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	**Total Suspended Solids**	**7.08**		mg/L	1.54	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-3 Grab3 20250730 **York Sample ID:** 25G1959-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:15 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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

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Sample Information

Client Sample ID: SSW-3 Grab3 20250730 **York Sample ID:** 25G1959-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:15 am	07/30/2025

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**74.8**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**75.6**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**223**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.614**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

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Sample Information

Client Sample ID: SSW-3 Grab3 20250730 **York Sample ID:** 25G1959-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:15 am	07/30/2025

Lead, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.78**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.83**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.228**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.118**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.90**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.78**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: SSW-3 Grab3 20250730 **York Sample ID:** 25G1959-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:15 am	07/30/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**57.3**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:34	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**57.9**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/31/2025 02:01	07/31/2025 02:01	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**90.5**		mg/L	0.345	2.50	5	EPA 300.0	08/01/2025 06:16	08/01/2025 06:16	DNP
								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**	**0.309**		mg/L	0.0500	1	EPA 300.0	07/31/2025 02:01	07/31/2025 02:01	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

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
14808-79-8	**Sulfate**	**25.2**		mg/L	1.00	1	EPA 300.0	07/31/2025 02:01	07/31/2025 02:01	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**200**		mg/L	2.0	1	SM 2320B	08/01/2025 10:24	08/01/2025 15:04	BNF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

DRAFT

Sample Information

Client Sample ID: SSW-3 Grab3 20250730 **York Sample ID:** 25G1959-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:15 am	07/30/2025

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**	**0.180**		mg/L	0.0500	1	SM 4500-NH3 D	07/31/2025 10:25	07/31/2025 10:25	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**3.0**	BOD-DIFF	mg/L	1.8	1.7625	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**36**		mg/L	10	1	SM 5220 D	08/01/2025 08:28	08/04/2025 09:30	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	**0.400**		mg/L	0.400	5	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**2.87**		mg/L	1.00	1	SM 5310B-2014	07/31/2025 06:18	07/31/2025 17:20	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**423**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: SSW-3 Grab3 20250730 **York Sample ID:** 25G1959-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:15 am	07/30/2025

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	**Total Suspended Solids**	**2.80**	Z-01	mg/L	2.00	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-4 Grab4 20250730 **York Sample ID:** 25G1959-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:15 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**75.2**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**76.8**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-4 Grab4 20250730 **York Sample ID:** 25G1959-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:15 am	07/30/2025

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**224**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.656**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.82**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.95**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: SSW-4 Grab4 20250730 **York Sample ID:** 25G1959-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:15 am	07/30/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.221**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.108**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.83**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.92**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**57.7**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:35	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**58.8**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:41	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide **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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/31/2025 02:22	07/31/2025 02:22	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride **Log-in Notes:** **Sample Notes:**

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Sample Information

Client Sample ID: SSW-4 Grab4 20250730 **York Sample ID:** 25G1959-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:15 am	07/30/2025

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**	**91.6**		mg/L	0.345	2.50	5	EPA 300.0	08/01/2025 06:26	08/01/2025 06:26	DNP
								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**	**0.304**		mg/L	0.0500	1	EPA 300.0	07/31/2025 02:22	07/31/2025 02:22	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4 **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
14808-79-8	**Sulfate**	**25.6**		mg/L	1.00	1	EPA 300.0	07/31/2025 02:22	07/31/2025 02:22	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**210**		mg/L	2.0	1	SM 2320B	08/04/2025 06:16	08/04/2025 13:34	SMM
							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**	**0.153**		mg/L	0.0500	1	SM 4500-NH3 D	07/31/2025 10:25	07/31/2025 10:25	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**3.0**	BOD-DIFF	mg/L	1.8	1.7625	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD) **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
COD	**Chemical Oxygen Demand (COD)**	**28**		mg/L	10	1	SM 5220 D	08/01/2025 08:28	08/04/2025 09:30	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, total **Log-in Notes:** **Sample Notes:**

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Sample Information

Client Sample ID: SSW-4 Grab4 20250730 **York Sample ID:** 25G1959-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:15 am	07/30/2025

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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	**0.485**		mg/L	0.400	5	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**2.63**		mg/L	1.00	1	SM 5310B-2014	08/01/2025 06:14	08/01/2025 17:49	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**416**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	**Total Suspended Solids**	**2.20**	Z-01	mg/L	2.00	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-2 Comp2 20250730 **York Sample ID:** 25G1959-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:30 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

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

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Sample Information

Client Sample ID: SSW-2 Comp2 20250730 **York Sample ID:** 25G1959-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:30 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**69.7**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**83.4**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**209**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.19**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-2 Comp2 20250730 **York Sample ID:** 25G1959-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:30 am	07/30/2025

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.40**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**11.8**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.267**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.110**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: SSW-2 Comp2 20250730 **York Sample ID:** 25G1959-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:30 am	07/30/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.81**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**2.66**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**53.5**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:37	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**77.9**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide **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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/31/2025 01:30	07/31/2025 01:30	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

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**	**78.2**		mg/L	0.345	2.50	5	EPA 300.0	08/01/2025 06:36	08/01/2025 06:36	DNP
								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**	**0.334**		mg/L	0.0500	1	EPA 300.0	07/31/2025 01:30	07/31/2025 01:30	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4 **Log-in Notes:** **Sample Notes:**

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Sample Information

Client Sample ID: SSW-2 Comp2 20250730 **York Sample ID:** 25G1959-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:30 am	07/30/2025

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
14808-79-8	**Sulfate**	**24.2**		mg/L	1.00	1	EPA 300.0	07/31/2025 01:30	07/31/2025 01:30	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**200**		mg/L	2.0	1	SM 2320B	08/01/2025 10:24	08/01/2025 15:04	BNF
							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	07/31/2025 10:25	07/31/2025 10:25	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**3.0**	BOD-D IFF	mg/L	1.8	1.7625	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**61**		mg/L	10	1	SM 5220 D	08/01/2025 08:32	08/04/2025 09:35	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	ND		mg/L	0.400	5	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: SSW-2 Comp2 20250730 **York Sample ID:** 25G1959-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 7:30 am	07/30/2025

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
TOC	**Total Organic Carbon (TOC)**	**2.34**		mg/L	1.00	1	SM 5310B-2014	08/01/2025 06:14	08/01/2025 17:49	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**398**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	**Total Suspended Solids**	**9.80**		mg/L	2.00	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-3 Comp3 20250730 **York Sample ID:** 25G1959-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:20 am	07/30/2025

Aluminum by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

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Sample Information

Client Sample ID: SSW-3 Comp3 20250730 **York Sample ID:** 25G1959-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:20 am	07/30/2025

Cadmium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**82.4**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**70.4**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**246**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.49**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

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Sample Information

Client Sample ID: SSW-3 Comp3 20250730 **York Sample ID:** 25G1959-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:20 am	07/30/2025

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**9.78**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.41**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.410**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.0874**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.94**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.83**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: SSW-3 Comp3 20250730 **York Sample ID:** 25G1959-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:20 am	07/30/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**60.8**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:38	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**54.1**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide

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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/31/2025 02:11	07/31/2025 02:11	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**99.1**		mg/L	0.345	2.50	5	EPA 300.0	08/01/2025 06:47	08/01/2025 06:47	DNP
								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**	**0.297**		mg/L	0.0500	1	EPA 300.0	07/31/2025 02:11	07/31/2025 02:11	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

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
14808-79-8	**Sulfate**	**35.2**		mg/L	1.00	1	EPA 300.0	07/31/2025 02:11	07/31/2025 02:11	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**210**		mg/L	2.0	1	SM 2320B	08/04/2025 06:16	08/04/2025 13:34	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: SSW-3 Comp3 20250730 **York Sample ID:** 25G1959-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:20 am	07/30/2025

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**	**0.161**		mg/L	0.0500	1	SM 4500-NH3 D	07/31/2025 10:25	07/31/2025 10:25	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**5.0**	BOD-DIFF	mg/L	2.4	2.35	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**53**		mg/L	10	1	SM 5220 D	08/01/2025 08:32	08/04/2025 09:35	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	**0.400**		mg/L	0.400	5	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

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
TOC	**Total Organic Carbon (TOC)**	**3.16**		mg/L	1.00	1	SM 5310B-2014	08/01/2025 06:14	08/01/2025 17:49	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**477**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: SSW-3 Comp3 20250730 **York Sample ID:** 25G1959-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 8:20 am	07/30/2025

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	**Total Suspended Solids**	**19.2**		mg/L	2.00	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SSW-4 Comp4 20250730 **York Sample ID:** 25G1959-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:20 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**75.3**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**75.5**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: SSW-4 Comp4 20250730 **York Sample ID:** 25G1959-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:20 am	07/30/2025

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**224**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.541**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.84**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**8.81**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: SSW-4 Comp4 20250730 **York Sample ID:** 25G1959-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:20 am	07/30/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.211**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.125**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.80**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.79**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**58.0**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:43	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**57.9**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:46	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide **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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/30/2025 22:07	07/30/2025 22:07	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Chloride **Log-in Notes:** **Sample Notes:**

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Sample Information

Client Sample ID: SSW-4 Comp4 20250730 **York Sample ID:** 25G1959-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:20 am	07/30/2025

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**	**90.9**		mg/L	0.345	2.50	5	EPA 300.0	08/01/2025 06:57	08/01/2025 06:57	DNP
								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**	**0.300**		mg/L	0.0500	1	EPA 300.0	07/30/2025 22:07	07/30/2025 22:07	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4 **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
14808-79-8	**Sulfate**	**26.5**		mg/L	1.00	1	EPA 300.0	07/30/2025 22:07	07/30/2025 22:07	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**210**		mg/L	2.0	1	SM 2320B	08/04/2025 06:16	08/04/2025 13:34	SMM
							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	07/31/2025 10:25	07/31/2025 10:25	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
BOD	**Biochemical Oxygen Demand (BOD) (5-Day)**	**3.0**	BOD-DIFF	mg/L	1.8	1.7625	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chemical Oxygen Demand (COD) **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
COD	**Chemical Oxygen Demand (COD)**	**61**		mg/L	10	1	SM 5220 D	08/01/2025 08:32	08/04/2025 09:35	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, total **Log-in Notes:** **Sample Notes:**

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Sample Information

Client Sample ID: SSW-4 Comp4 20250730 **York Sample ID:** 25G1959-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Ground Water	July 30, 2025 9:20 am	07/30/2025

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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	ND		mg/L	0.400	5	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Total Organic Carbon **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
TOC	**Total Organic Carbon (TOC)**	**2.62**		mg/L	1.00	1	SM 5310B-2014	08/01/2025 06:14	08/01/2025 17:49	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**423**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	Total Suspended Solids	ND	Z-01	mg/L	2.00	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: Leachate Comp1 20250730 **York Sample ID:** 25G1959-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Waste Water	July 30, 2025 10:10 am	07/30/2025

Aluminum by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

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

DRAFT

Sample Information

Client Sample ID: Leachate Comp1 20250730 **York Sample ID:** 25G1959-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Waste Water	July 30, 2025 10:10 am	07/30/2025

Aluminum by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5.93**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	**Cadmium**	**0.00533**		mg/L	0.00333	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00333	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**378**		mg/L	0.556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**103**		mg/L	0.556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8002-74-2	**Hardness, Total**	**1060**		mg/L	1.11	1	SM 2340B-2011	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**691**		mg/L	0.278	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

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Sample Information

Client Sample ID: Leachate Comp1 20250730 **York Sample ID:** 25G1959-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Waste Water	July 30, 2025 10:10 am	07/30/2025

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**9.12**		mg/L	0.278	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.0460**		mg/L	0.00667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**29.1**		mg/L	0.0667	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**14.2**		mg/L	0.0667	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**11.6**		mg/L	0.00556	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**1.09**		mg/L	0.00556	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

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Sample Information

Client Sample ID: Leachate Comp1 20250730 **York Sample ID:** 25G1959-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Waste Water	July 30, 2025 10:10 am	07/30/2025

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**4.47**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**3.07**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**90.3**		mg/L	1.11	1	EPA 6010D	08/01/2025 09:25	08/05/2025 10:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium, Dissolved by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**73.0**		mg/L	1.11	1	EPA 6010D	08/04/2025 08:01	08/05/2025 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Bromide **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
24959-67-9	Bromide	ND		mg/L	0.200	1	EPA 300.0	07/30/2025 23:49	07/30/2025 23:49	DNP
							Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

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**	**172**		mg/L	0.690	5.00	10	EPA 300.0	08/01/2025 07:08	08/01/2025 07:08	DNP
								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	07/30/2025 23:49	07/30/2025 23:49	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sulfate as SO4 **Log-in Notes:** **Sample Notes:**

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Sample Information

Client Sample ID: Leachate Comp1 20250730 **York Sample ID:** 25G1959-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Waste Water	July 30, 2025 10:10 am	07/30/2025

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
14808-79-8	**Sulfate**	**37.9**		mg/L	1.00	1	EPA 300.0	07/30/2025 23:49	07/30/2025 23:49	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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**	**490**		mg/L	2.0	1	SM 2320B	08/04/2025 06:16	08/04/2025 13:34	SMM
							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**	**1.54**		mg/L	0.0500	1	SM 4500-NH3 D	07/31/2025 10:25	07/31/2025 10:25	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
BOD	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	120	117.5	SM 5210 B-2016	07/31/2025 08:16	08/05/2025 14:45	STW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Chemical Oxygen Demand (COD)

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
COD	**Chemical Oxygen Demand (COD)**	**240**		mg/L	10	1	SM 5220 D	08/01/2025 08:32	08/04/2025 09:35	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Phenols, 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
64743-03-9	Phenols, total	ND	CONT-01	mg/L	0.0500	1	EPA 420.1/2	08/01/2025 06:11	08/01/2025 13:00	SMM
							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	**133**		mg/L	0.400	10	SM 4500-N Org D	07/31/2025 14:17	08/01/2025 08:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Organic Carbon

Log-in Notes:

Sample Notes:

DRAFT

Sample Information

Client Sample ID: Leachate Comp1 20250730 **York Sample ID:** 25G1959-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25G1959	560909- LA-6 CM	Waste Water	July 30, 2025 10:10 am	07/30/2025

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
TOC	**Total Organic Carbon (TOC)**	**3.85**		mg/L	1.00	1	SM 5310B-2014	08/01/2025 06:14	08/01/2025 17:49	JAMT
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**758**		mg/L	10.0	1	SM 2540C-2015	08/06/2025 17:56	08/06/2025 17:56	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
TSS	**Total Suspended Solids**	**27800**		mg/L	200	1	SM 2540D-2015	07/31/2025 06:09	07/31/2025 12:41	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

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Sample and Data Qualifiers Relating to This Work Order

Z-01	mg residue is less than 2.5 mg
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
CONT-01	Analysis was performed on a sample from an improperly preserved container.
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 current NELAC/TNI 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.

DRAFT

Revision Description: This report has been revised to omit PCB and SVOC results.

DRAFT

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 25/1959

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: PV CBE Engineering	Company:	Company:
Address: 483 spring side Avenue Poughkeepsie, NY 12603	Address:	Address:
Phone.: 845-459-2694	Phone.:	Phone.: same
Contact: Trevor Traglia	Contact: same	Contact: Talvarado@pveallaims
E-mail: ttraglia@pveallaims.com	E-mail:	Tavo Alvarado

YOUR Project Number: 560909

YOUR Project Name: LA-6 CM

YOUR PO#: 560909

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Trevor Traglia

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

(Summary Report)	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	(NYSDEC EQuIS)
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
~~SSW-1 Grab 1 20250730~~	~~GW~~	~~7/30/25~~	• Full List of Part 360 Routine Parameters, • TSS, and • Aluminum. (All samples)	12 Containers (each)
SSW-2 Grab 2 20250730	GW	7/30/25 / 7:25		
SSW-3 Grab 3 20250730	GW	/ 8:15		
SSW-4 Grab 4 20250730	GW	/ 9:15		
~~SSW-1 Comp 1 20250730~~	~~GW~~	/		
SSW-2 Comp 2 20250730		/ 7:30		
SSW-3 Comp 3 20250730		/ 8:20		
SSSW-4 Comp 4 20250730		/ 9:20		
Leachate Comp 1 20250730	WW	/ 10:10		

Comments:

• ~~Dump~~ after rainevent (Surface water) (SSW-1 Grab 1 is Dry)
Week

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
PV/EDF	7-30-25 11:15	Chris C	7-30-25 11:15	Chris C	7-30-25 13:20
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				NCeSi	07/30/25 13:20 / 3.6 Degrees C

Technical Report

prepared for:

DRAFT

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

Report Date: 11/25/2025
Client Project ID: 560909 LA-6 CM
York Project (SDG) No.: 25K1087

Report Date: 11/25/2025
Client Project ID: 560909 LA-6 CM
York Project (SDG) No.: 25K1087

PVE, LLC.
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Trevor Treglia

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 November 20, 2025 and listed below. The project was identified as your project: **560909 LA-6 CM**.

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.

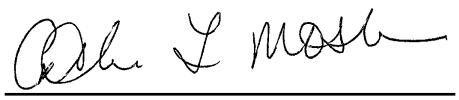
York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25K1087-01	SSW-0 Grab0 20251119	Ground Water	11/19/2025	11/20/2025
25K1087-02	Storm-2 Grab2 20251119	Ground Water	11/19/2025	11/20/2025

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General Notes for York Project (SDG) No.: 25K1087

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 NYDOH-NY10854, NJDEP-CT005, PADEP-68-04440, CTDPH-PH0840; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NYDOH-NY12058, NJDEP-NY037, CTDPH-PH0837, NHDES-NH2097, MDDEP-375, PADEP-68-06231.

Approved By:



Cassie Mosher
Laboratory Manager - Stratford

Date: 11/25/2025

DRAFT

Client:	PVE, LLC.	**York Sample ID:**	**25K1087-01**
Client Project:	560909 LA-6 CM	**Date Received:**	11/20/2025
Client Sample ID:	SSW-0 Grab0 20251119	**Collection Date/Time:**	11/19/25 11:15

Lab ID:	**25K1087-01**	**Laboratory:**	Stratford
Analysis:	**Miscellaneous Physical Parameters**	**Matrix:**	Ground Water
Prep Method:	Sample Prepared by Method: % Solids Prep	**Sample Notes:**	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Total Dissolved Solids	**451**		10.0	10.0	1	mg/L	SM 2540C-2015	11/20/25 19:33	11/21/25 23:37	SL

Client:	PVE, LLC.	**York Sample ID:**	**25K1087-02**
Client Project:	560909 LA-6 CM	**Date Received:**	11/20/2025
Client Sample ID:	Storm-2 Grab2 20251119	**Collection Date/Time:**	11/19/25 11:25

Lab ID:	**25K1087-02**	**Laboratory:**	Stratford
Analysis:	**Miscellaneous Physical Parameters**	**Matrix:**	Ground Water
Prep Method:	Sample Prepared by Method: % Solids Prep	**Sample Notes:**	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Total Dissolved Solids	**437**		10.0	10.0	1	mg/L	SM 2540C-2015	11/20/25 19:33	11/21/25 23:37	SL

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Certified Analyses included in this Report

Analyte	CAS #	Certifications
SM 2540C-2015 in Water		
Total Dissolved Solids	E-10173	NYSDOH-NY10854,CTDPH-PH-0840,NJDEP-CT005,PADEP-68-04440

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List of Certifications

Code	Description	Number	Expires
CTDPH-PH-0840	CTDPH - Stratford	PH-0840	06/30/2027
NJDEP-CT005	NJDEP Certification - Stratford	CT005	06/30/2026
NYSDOH-NY10854	NYSDOH NELAC/ELAP Program - Stratford	NY ELAP-10854	04/01/2026
PADEP-68-04440	PADEP Registration - Stratford	68-04440	09/30/2026

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Sample and Data Qualifiers Relating to This Work Order

/\ Analyte is not certified but the state of sample origination offer certification for the Analyte

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 current NELAC/TNI 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

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Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 25K1087

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: PVEDI	Company:	Company:
Address: 48 Spring Side Avenue Poughkeepsie, NY 12603	Address:	Address:
Phone.: 845-454-2514	Phone.:	Phone.: Same
Contact: Trevor Treglia	Contact: Same	Contact: Tara Alvarado
E-mail: ttreglia@pvedi-ae.com	E-mail:	E-mail: talvarado@pvedi-ae.com

YOUR Project Number: 560909

YOUR Project Name: LA-6 CM

YOUR PO#: 560909

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Trevor Treglia

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SSW-0 Grab0 20251119	GW	11/19/25 / 11:15	• TDS	1-Container
Storm-2 Grab2 20251119	"	" / 11:25		

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
PVEDI	11-20-25 8:45	Chain C	11-20-25 8:45	Chain C	11-20-25 14:40
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					11/20/25 14:46 / 1.1 Degrees C