



February 20, 2023

Via E-mail: MichaelP@townofcortlandt.com

Mr. Michael Preziosi, P.E.
Director, Department of Technical Services
Town of Cortlandt
One Heady Street
Cortlandt Manor, NY 10567

RE: Hollow Brook Golf Club
2022 Annual Monitoring Report

Dear Mr. Preziosi:

In accordance with the Hollow Brook Golf Club (HBGC) Water Quality Monitoring Program, WSP is submitting the following 2022 Annual Monitoring Report. The monitoring program is completed in accordance with the May 2002 Environmental Management Plan (EMP).

The monitoring program includes groundwater, surface-water and storm water sampling. Groundwater and surface water samples are collected twice per year in the summer and fall as per the June 2009 resolution by the Town of Cortlandt Planning Board (Resolution No. 23-09). Storm water samples are collected once per year from surface water location DS-1 in the Hollow Brook. Course samples are analyzed for inorganic and organic compounds (pesticides). The EMP requires that all compounds applied to the course in the previous 12 months be analyzed.

In February 2014, HBGC requested a modification to the sampling program. The request was made in consideration of the monitoring results up to that time and the absence of detections above applicable standards or guidance levels. On behalf of the Town, LBG (now WSP) reviewed the request and recommended the following modifications (outlined in a March 30, 2016 letter) 1) eliminate surface water sampling at locations US-1 and SW-4; 2) eliminate groundwater sampling at Monitor Well GW-2; 3) discontinue analyses for volatile organic compounds, polycyclic aromatic compounds and metals. The Town approved these modifications which became the standard sampling protocol moving forward.

In April 2020, HBGC requested additional modification to the sampling protocol in consideration of business impacts related to the COVID-19 pandemic. WSP reviewed this request on behalf of the Town and in an email dated April 27, 2020, from the Town to HBGC, the following temporary modifications were approved: 1) eliminate groundwater sampling at Monitor Wells GW-3 and GW-4; 2) eliminate surface water sampling at locations SW-3, SW-5 and SW-6 and, 3) eliminate the storm water sampling event. The approval was based on the absence of any detections above applicable standards or guidance levels over past years at these locations. At the request of HBGC, and in agreement with the Town, this protocol was continued for the 2022 season.



1.0 SAMPLE DATES, LOCATIONS AND METHODOLOGIES

In 2022, sampling events for groundwater and surface-water were conducted on August 30th and December 13th. During both events, samples from surface-water station DS-1 and groundwater sample location GW-1R were analyzed for inorganic and pesticide parameters. A Site Plan showing sample locations is included as Figure 1.

The samples were analyzed for the parameters listed in the EMP and included all pesticides that have been applied to the course in the previous 12 months. The inorganic parameters were analyzed by York Analytical Laboratories (York) of Stratford, Connecticut. The pesticide compounds were analyzed by Columbia Food Laboratories (Columbia) of Portland, Oregon. Field parameters including pH, temperature and conductivity were measured by WSP in the field during each sampling event.

The analytical results for inorganics and pesticides are compared to the New York State Surface Water and Groundwater Standards per 6 NYCRR Part 703 or, alternative Response Thresholds per the EMP (Table 5-5). Additionally, pesticides are evaluated for toxicological significance by comparison to 50% of compound specific EPA HALs (Health Advisory Levels) for human health effects and 10% of LC50s (Lethal Concentration 50%) for the protection of aquatic life.

2.0 SAMPLING RESULTS

The 2022 sampling results for groundwater and surface water are discussed below and presented on Table 1. Historical results are included in previous Annual Monitoring Reports. The laboratory analytical reports are included in the Appendix. All pesticides used on the course are registered for use in New York State and were reviewed for use at Hollow Brook by the Town's consulting agronomist, Dr. Martin Petrovic.

2.1 Summer Event: August 30, 2022

2.1.1 Groundwater

The results of laboratory analysis show one pesticide detection in the groundwater sample collected from GW-1R (Table 1); flutolanil at 5.38 ug/l [micrograms per liter]. To confirm this detection, GW-1R was re-sampled on September 19, 2022. The results of the re-sampling confirmed the detection of flutolanil at a concentration of 3.00 ug/l and also detected propiconazole at 0.60 ug/l. Both of these pesticides have been detected in this well in the past. As shown on Table 1 under the Standard, Guidance or Response Threshold column, 50% of the HAL for flutolanil is 1,500 ug/l. For propiconazole the number is 300 ug/l. The detected concentrations of these compounds were well below the human health-based, toxicologically significant criteria.

All other parameters were either not detected or were below the applicable standards, guidance or response thresholds with the exception of pH, which was 6.46, slightly below the standard range lower limit of 6.50. Further discussion of pH is included in section 3.0



2.1.2 Surface Water

As shown on Table 1, there were no pesticide detections in the downstream surface water sample location DS-1 in the Hollow Brook. All other parameters were either not detected or met applicable standards, guidance or response threshold criteria (Table 1).

2.2 Fall Event: December 19, 2022

2.2.1 Groundwater

Similar to the August sampling round (and September confirmation sampling), flutolanil was detected in the sample from well GW-1R; the detected concentration was 0.90 ug/l (Table 1). Propiconazole, which was detected in September, was not detected in the December sample. The detected flutolanil concentration of 0.90 ug/l was lower than both the August (5.38 ug/l) and September (3.00 ug/l) detections indicating a declining trend. The detection was also well below 50% of the HAL of 1,500 ug/l.

All other parameters, including pH, were either not detected or met applicable standards, guidance or response threshold criteria (Table 1).

2.2.2 Surface Water

As shown on Table 1, there were no pesticide detections in the downstream Hollow Brook surface water sample DS-1. All other parameters, with the exception of pH, were either not detected or met applicable standards, guidance or response threshold criteria. The pH was 6.19, which is below the standard range lower limit of 6.50 (Table 1). There are many factors that could influence pH in the Hollow Brook. The pH of onsite groundwater from well GW-1R for this same sampling event was measured at 6.52, which is higher than that measured in the Hollow Brook and within the standard limit range. Based on this, we do not believe the lower pH in the Hollow Brook is related to the golf course.

3.0 DISCUSSION AND RESPONSES

The management response to detections groundwater or surface-water samples is described in the EMP. If certain pesticides (specifically listed in the EMP) are detected twice in the same year, the indicated response is to suspend their use. However, based on historical data, and because new pesticides are not specifically addressed in the EMP, the Town and HBGC have agreed that pesticides that are repeatedly detected in groundwater samples could continue to be used on the course under the following conditions:

- The pesticide detection is below the toxicologically significant criteria. For groundwater this is 50 percent of the respective EPA HALs.
- The pesticide is not detected in the Hollow Brook; and,
- Use of the pesticide would be restricted to spot applications until it is no longer detectable.



Flutolanil and propiconazole were detected in groundwater samples collected from GW-1R during the season. All detected concentrations were well below the respective EPA HALs, which are the human health-based toxicological criteria, and there were no pesticide detections in the Hollow Brook (Table 1). The concentration of flutolanil decreased from 5.38 ug/l to 0.90 ug/l between August and December, indicating a declining trend and that there were no new occurrences of flutolanil in groundwater after August. Based on the above protocols, and considering that there have been previous detections of flutolanil, we would recommend that it continue to be used only for spot applications until it is no longer detected.

Propiconazole was only detected once in the September re-sampling event, at a very low concentration and was not detected again in December. Based on this we do not recommend any use restrictions at this time.

Chlorantraniliprole was detected in samples in previous years but was not detected in any samples during 2022. In accordance with the original 2011 approval for the use of chlorantraniliprole by the Town's consulting agronomist, Dr. Martin Petrovic, this product is only to be used as a "last resort" after other products have failed to control the associated problem. There have not been any detections of chlorantraniliprole in groundwater since 2019, indicating the above practice is effective at minimizing migration of this product from the application sites.

pH was measured slightly outside the acceptable range in the August groundwater sample but was within the acceptable range in the December sample. All other parameters met applicable standards and there is no apparent connection between the pH readings and golf course activity. As a result, no corrective action is deemed necessary. An out-of-range pH reading in the December Hollow Brook sample from DS-1 is not considered to be related to golf course activity as discussed in Section 2.2.2.

Kind regards,

WSP USA

A handwritten signature in black ink, appearing to read 'John Benvegna'.

John Benvegna, P.G.
Vice President

cc: Chris Kehoe, AICP, T/Cortlandt
David Rambo, C/Peekskill Water Dept.
Greg Coughlin, Hollow Brook
Eugene Peterson, Hollow Brook



TABLE

TABLE 1
HOLLOW BROOK GOLF CLUB
TOWN OF CORTLANDT, NEW YORK

2022 Operational Monitoring Results

| Parameters | | Groundwater | | | | Surface Water | | |
|--|---------|-------------|----------------------|---------|--|---------------|---------|--|
| | | GW-1R | | | Standard, Guidance or Response Threshold | DS-1 | | Standard, Guidance or Response Threshold |
| Field Parameters | | Aug. 30 | Sept. 19 (re-sample) | Dec. 13 | | Aug. 30 | Dec. 13 | |
| pH | --- | 6.46 | NA | 6.52 | <6.5 or >8.5* | 6.97 | 6.19 | <6.5 or >8.5* |
| Temperature | Celsius | 20.91 | NA | 11.20 | NA | 20.94 | 4.88 | None |
| Conductivity | mS/cm | 0.404 | NA | 0.440 | NA | 0.143 | 0.312 | None |
| DO | mg/l | 3.05 | NA | 4.01 | NA | 9.92 | 12.58 | <6.0 |
| Inorganics | | | | | | | | |
| TDS | mg/l | 316 | NA | 287 | NA | 112 | 304 | 500* |
| Chloride | mg/l | 59.8 | NA | 61.6 | 250* | 73.6 | 101 | 250* |
| Nitrate | mg/l | <0.05 | NA | <0.05 | 5.0** / 10* | 0.237 | 0.782 | 10* |
| Nitrite | mg/l | <0.05 | NA | <0.05 | 1.0* | <0.05 | <0.05 | 1.0* |
| Ammonia | mg/l | 0.773 | NA | 0.572 | 2.0* | <0.05 | <0.05 | 2.0* |
| Phosphorous | mg/l | 2.9 | NA | 3.6 | ST/SD** | <0.05 | 0.082 | ST/SD** |
| Pesticides (detected) ^{1/} | | | | | | | | |
| Flutolanil | ug/l | 5.38 | 3.00 | 0.90 | 1,500^ | <0.5 | <0.5 | 250^^ |
| Propiconazole | ug/l | <0.5 | 0.60 | <0.5 | 300^ | <0.5 | <0.5 | 85^^ |

^{1/} See laboratory reports in the Appendix for full pesticide analyte list.

mS/cm = milliseimans per centimeter; mg/l = milligrams per liter; ug/l = micrograms per liter.

NA - Not Applicable

<0.05 - Indicates compound was not detected above the noted laboratory detection limit

*New York State Water Quality Standard or Guidance per 6 NYCRR Part 703

**Response Threshold as per Section 5.7.6 of the Management Plan.

ST/SD - Statistically significant trend or two standard deviations above baseline mean, whichever is lower.

^ = 50% of the USEPA Human Health Advisory Level (HAL). The HAL is the toxicologically significant level in the absence of a State standard.

^^ = 10% of the LC50 (Leathal Concentration 50%) for protection of aquatic life. This value is applied to DS-1 if it is lower then the corresponding HAL.

Exceeds Standard, Guidance or Response Threshold.

FIGURE

O:\DWG\Hollowbrook\2018\Figure1.dwg, Layout1, 3/21/2019 3:21:56 PM, PDF_XChange for AcroPlot Pro



LEGEND

- ▲ SW-3 SURFACE WATER SAMPLING LOCATION
- ◆ GW-3 MONITOR WELL LOCATION
- ◆ GW-4 NEW MONITOR WELL LOCATION (INSTALLED SPRING 2008)
- S-1 SEDIMENT SAMPLING LOCATION
- UNDISTURBED BUFFER



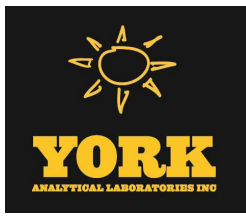
**HOLLOW BROOK GOLF CLUB
TOWN OF CORTLANDT, NEW YORK**

WATER QUALITY SAMPLING LOCATIONS

| DATE | REVISED | PREPARED BY: |
|---------------|---------|---|
| | | |
| | | |
| | | WSP USA 500 Summit Lake Drive Suite 450 Valhalla, New York 10595 (914) 747-1120 |
| DRAWN: | RAC | CHECKED: DM |
| | | DATE: 03/21/19 |
| | | FIGURE: 1 |



APPENDIX
Laboratory Reports



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

Attention: John Benvegna

Report Date: 09/21/2022

Client Project ID: Hollow Brook Golf Club (HBGC)

York Project (SDG) No.: 22I0010

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/21/2022
Client Project ID: Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 22I0010

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 01, 2022 and listed below. The project was identified as your project: **Hollow Brook Golf Club (HBGC)**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 22I0010-01 | GW-1R | Water | 08/30/2022 | 09/01/2022 |
| 22I0010-02 | DS-1 | Water | 08/30/2022 | 09/01/2022 |

General Notes for York Project (SDG) No.: 22I0010

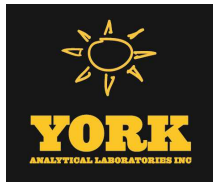
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.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

Approved By: 

Date: 09/21/2022

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: GW-1R

York Sample ID: 22I0010-01

| | | | | |
|--|---|------------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 22I0010 | <u>Client Project ID</u> Hollow Brook Golf Club (HBGC) | <u>Matrix</u> Water | <u>Collection Date/Time</u> August 30, 2022 10:00 am | <u>Date Received</u> 09/01/2022 |
|--|---|------------------------|---|------------------------------------|

Chloride

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 |
|------------|-----------|--------|------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| 16887-00-6 | Chloride | 59.8 | | mg/L | 2.50 | 5 | EPA 300.0 | 09/06/2022 17:47 | 09/07/2022 04:18 | ZTS |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|-------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| 14797-55-8 | Nitrate as N | ND | HT-01 | mg/L | 0.0500 | 1 | EPA 300.0 | 09/01/2022 17:11 | 09/01/2022 20:11 | ZTS |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|-------|-------|-----------------|----------|------------------|---------------------------|--------------------|---------|
| 14797-65-0 | Nitrite as N | ND | HT-01 | mg/L | 0.0500 | 1 | EPA 300.0 | 09/01/2022 17:11 | 09/01/2022 20:11 | ZTS |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,PADEP | | |

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 | 0.773 | | mg/L | 0.0500 | 1 | SM 4500-NH3 D | 09/08/2022 07:57 | 09/08/2022 10:47 | VR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

Phosphorous, 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 |
|---------|-------------------------|--------|------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| | Phosphorous, Total as P | 2.9 | | mg/L | 0.50 | 10 | SM 4500-P B5/E | 09/21/2022 09:31 | 09/21/2022 17:19 | JAMT |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| | Total Dissolved Solids | 316 | | mg/L | 10.0 | 1 | SM 2540C-2015 | 09/06/2022 18:50 | 09/06/2022 18:50 | AA |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |



Sample Information

Client Sample ID: DS-1

York Sample ID: 22I0010-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22I0010

Hollow Brook Golf Club (HBGC)

Water

August 30, 2022 11:00 am

09/01/2022

Chloride

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 |
|------------|-----------|--------|------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| 16887-00-6 | Chloride | 73.6 | | mg/L | 5.00 | 10 | EPA 300.0 | 09/09/2022 15:50 | 09/09/2022 15:50 | ZTS |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

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 | 0.237 | HT-01 | mg/L | 0.0500 | 1 | EPA 300.0 | 09/01/2022 17:11 | 09/01/2022 21:13 | ZTS |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|-------|-------|-----------------|----------|------------------|---------------------------|--------------------|---------|
| 14797-65-0 | Nitrite as N | ND | HT-01 | mg/L | 0.0500 | 1 | EPA 300.0 | 09/01/2022 17:11 | 09/01/2022 21:13 | ZTS |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,PADEP | | |

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 | 09/08/2022 07:57 | 09/08/2022 10:47 | VR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

Phosphorous, 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 |
|---------|-------------------------|--------|------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| | Phosphorous, Total as P | ND | | mg/L | 0.050 | 1 | SM 4500-P B5/E | 09/21/2022 09:31 | 09/21/2022 17:19 | JAMT |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

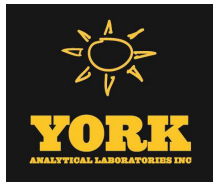
Total Dissolved Solids

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| | Total Dissolved Solids | 112 | | mg/L | 10.0 | 1 | SM 2540C-2015 | 09/06/2022 18:50 | 09/06/2022 18:50 | AA |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |





Sample and Data Qualifiers Relating to This Work Order

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- HT-01 This result was reported from an analysis conducted outside of the EPA recommended holding time.

Definitions and Other Explanations

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

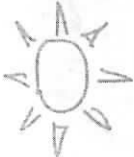
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.



YORK
ANALYTICAL LABORATORIES INC

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

Company: **WSP USF**
Address: **500 Summit Haverd
Valhalla NY**
Phone: **914 329 1392**
Contact: **John Benvenista**
E-mail: **John.Benvenista@wsp.com**

Report To:

Company: **HALLOW BROOK GOLF CLUB**
Address: **1060 Oregon Rd
Cortlandt Manor, NY 10567**
Phone: **SAME**
Contact: **Eugene Peterson**
E-mail: **Eugene.P@hbgolfclub.com**

Invoice To:

Company: **HALLOW BROOK GOLF CLUB**
Address: **1060 Oregon Rd
Cortlandt Manor, NY 10567**
Phone: **SAME**
Contact: **Eugene Peterson**
E-mail: **Eugene.P@hbgolfclub.com**

YOUR PROJECT NUMBER

YOUR PROJECT NAME
**HALLOW BROOK GOLF CLUB
(HBGC)**
YOUR PO#:
1911 Hollow Brook

Turn-Around Time

RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
Standard (5-7 Day)

YORK Project No.

2220010

Page **1** of **1**

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.

Mike Reiff

[Signature]

Samples Collected by: (print AND sign your name)

Sample Identification

GW-1R
DS-1

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York
New Jersey
Connecticut
Pennsylvania
Other:

Report EDD Type (circle selections)

Summary Report
CT RCP
CT RCP DQADUE
EQULS (Standard)
NJDEP Reduced
NJDEP SRP HazSite
Deliverables
NJDKQP
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Analysis Requested

Nitrate, Nitrite, Ammonia
Chloride, TDS, Tot Phos

Container Description

500ML Hazy Seawater

Comments:

[Signatures]
Date/Time: **8/30/07 11:30**
Date/Time: **8/30/07 10:25**
Date/Time: **9/11/07**
Date/Time: **9/11/07**

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
Saba / York Date/Time: **09/10/07 10:25**

2. Samples Relinquished by / Company

3. Samples Received by / Company
Saba / York Date/Time: **09/10/07**

4. Samples Received in LAB by **9/11/07** Date/Time: **9/11/07** Temperature: **4.3** Degrees C



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM
Project Name: Hollowbrook Golf Club (HBGC)

Cover Letter

WSP USA
500 Summit Lake Drive, Suite 450
Valhalla New York 10595
United States of America (USA)

Dear John Benvegna,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 22-010409 on 08/31/2022 at 10:54. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM
Project Name: Hollowbrook Golf Club (HBGC)

Customer: WSP USA
500 Summit Lake Drive, Suite 450
Valhalla New York 10595
United States of America (USA)
Sample ID: DS-1
Sample Matrix: Water
Laboratory ID: 22-010409-0001-00
Evidence of Cooling: Yes
Temp: 2.7 °C
Relinquished by: UPS

Sample Results

Pesticides

Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|---------------------------------|------------------------|-------|----------|-------------------------------|-------|
| Multi-Residue Pesticide Profile | < LOQ for all analytes | µg/L | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |

WSP Hollow Brook custom

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|------------------|--------|-------|-------|----------|-------------------------------|-------|
| Dithiopyr | < LOQ | µg/L | 1.00 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Fenoxaprop-ethyl | < LOQ | µg/L | 0.500 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Trinexapac-ethyl | < LOQ | µg/L | 1.00 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |



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 Portland, OR 97230
 503-254-1794

Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM
Project Name: Hollowbrook Golf Club (HBGC)



Customer: WSP USA
 500 Summit Lake Drive, Suite 450
 Valhalla New York 10595
 United States of America (USA)

Sample ID: GW-1R
Sample Matrix: Water
Laboratory ID: 22-010409-0002-00
Evidence of Cooling: Yes
Temp: 2.7 °C
Relinquished by: UPS

Sample Results

Pesticides

Multi-Residue Pesticide Profile

All compounds on the attached sheet were found to be <LOQ except those listed

WSP Hollow Brook custom

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|------------------|--------|-------|-------|----------|-------------------------------|-------|
| Dithiopyr | < LOQ | µg/L | 1.00 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Fenoxaprop-ethyl | < LOQ | µg/L | 0.500 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Trinexapac-ethyl | < LOQ | µg/L | 1.00 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
| Flutolanil | 5.38 | µg/L | 0.500 | 09/08/22 | AOAC 2007.01 & EN 15662 (mod) | |

Abbreviations

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

µg/L = Micrograms per liter = parts per billion (ppb)

Approved Signatory

Derrick Tanner
 General Manager



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-010409/D003.R000

Report Date: 09/08/2022

Purchase Order:

Received: 08/31/22 10:54 AM

Project Name: Hollowbrook Golf Club (HBGC)



Columbia Food Laboratories, Inc
P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|--------------------------------|-----|-----------------------------------|-----|---------------------------|-----|
| 2,4-D | 0.5 | Carbophenothion-methyl | 1 | Desmedipham | 1 |
| 2,4-DB | 1 | Carboxin | 1 | Diallate | 1 |
| 2,4-DP (Dichlorprop) | 1 | Carfentrazone-ethyl | 1 | Diazinon | 1 |
| 2,4,5-TP | 1 | Chlorantraniliprole | 0.5 | Diazoxon | 1 |
| Acephate | 2 | Chlordane, cis- | 1 | Dicamba | 0.5 |
| Acequinocyl | 1 | Chlordane, trans- | 1 | Dichlobenil | 1 |
| Acetamiprid | 1 | Chlordimeform | 1 | Dichlofenthion | 1 |
| Acetochlor | 1 | Chlorfenapyr | 1 | Dichlofluanid | 1 |
| Aciflorfen | 1 | Chlorfenson (Ovex) | 1 | Dichlorbenzamide | 1 |
| Acrinathrin | 1 | Chlorfenvinphos | 1 | Dichlorvos | 1 |
| Alachlor | 1 | Chlorimuron-ethyl | 1 | Didobutrazol | 1 |
| Aldicarb | 1 | Chloritrofen (CNP) | 1 | Diclofop-methyl | 1 |
| Aldicarb sulfoxide | 1 | Chlorobenzilate | 1 | Didoran | 1 |
| Aldoxycarb (Aldicarb-sulfuron) | 1 | Chloroneb | 1 | Dicofol, p,p'- | 1 |
| Aldrin | 1 | Chlorothalonil | 0.5 | Dicofol, o,p'- | 1 |
| Ametryn | 1 | Chlorpropham (CPC) | 1 | Dicrotophos | 1 |
| Aspon | 1 | Chlorpyrifos (Chlorpyrifos ethyl) | 1 | Dieldrin | 1 |
| Atrazine | 1 | Chlorpyrifos-methyl | 1 | Diethofencarb | 1 |
| Atrazine-desethyl | 1 | Chlorosulfuron | 1 | Diethyltoluamide (DEET) | 1 |
| Avermectin B1a/B1b (Abemectin) | 1 | Chlorthion | 1 | Difenoconazole | 1 |
| Azinphos-ethyl | 1 | Chlorthiophos | 1 | Diflubenzuron | 1 |
| Azinphos-methyl | 1 | Cinerin | 1 | Diflufenzopyr | 1 |
| Azoxystrobin | 1 | Clethodim | 1 | Dimethenamide | 1 |
| Benalaxyl | 1 | Clethodim Sulfone | 1 | Dimethoate | 1 |
| Bendiocarb | 1 | Clethodim Sulfoxide | 1 | Dimethomorph | 1 |
| Benfluralin | 1 | Cb fen te zine | 1 | Diniconazole | 1 |
| Benoxacor | 1 | Cbmazone | 1 | Dinocap | 1 |
| Bensulide | 1 | Cbpyralid | 1 | Dinoseb | 1 |
| Bentazone | 1 | Cbthianidin | 1 | Dinotefuran | 1 |
| BHC alpha (HCH) | 1 | Cumaphos | 1 | Dioxathion | 1 |
| BHC beta (HCH) | 1 | Cytoxyphos | 1 | Diphenamid | 1 |
| BHC delta (HCH) | 1 | Cyanazine | 1 | Diphenylamine | 1 |
| Bifenazate | 1 | Cyanofenphos | 1 | Disulfoton | 1 |
| Bifenox | 1 | Cyanophos | 1 | Disulfoton sulfone | 1 |
| Bifenthrin | 1 | Cyanttraniliprole | 1 | Disulfoton sulfoxide | 1 |
| Binapacryl | 1 | Cyazofamid | 1 | Dithianon | 1 |
| Birtanol | 1 | Cyboate | 1 | Diuron | 1 |
| Boscalid (Nicobifen) | 0.5 | Cycloxydim | 1 | DNOC | 1 |
| Bromacil | 1 | Cyfluthrin | 1 | Edifenphos | 1 |
| Bromophos (Bromophos-methyl) | 1 | Cyhalothrin, lambda | 1 | Endosulfan alpha | 1 |
| Bromophos-ethyl | 1 | Cymoxanil | 1 | Endosulfan beta | 1 |
| Bromopropylate | 1 | Cypermethrin | 1 | Endosulfan sulfate | 1 |
| Bromoxynil | 1 | Cyprodinil | 1 | Endrin | 1 |
| Bromuconazole | 1 | Cymazine | 1 | Endrin aldehyde | 1 |
| Bupirimate | 1 | Dacthal (Chorthal-dimethyl) | 1 | EPN | 1 |
| Buprofezin | 1 | DDD, o,p'- | 1 | EPTC (Eptam) | 1 |
| Butachlor | 1 | DDD, p,p'- | 1 | Esfenvalerate/Fenvalerate | 1 |
| Butralin | 1 | DDE, o,p'- | 1 | Eraconazole | 1 |
| Butylate | 1 | DDE, p,p'- | 1 | Ethalfuralin | 1 |
| Catusafos | 1 | DDT, o,p'- | 1 | Ethiofencarb | 1 |
| Captafol | 5 | DDT, p,p'- | 1 | Ethion | 1 |
| Captan | 2 | DEF (Tribufos) | 1 | Ethirimol | 1 |
| Carbaryl | 0.5 | Deltamethrin | 1 | Ethofumesate | 1 |
| Carbendazim | 1 | Demeton-S | 1 | Ethoprophos | 1 |
| Carbofuran | 1 | Demeton-Smethyl | 1 | Ethoxyquin | 1 |
| Carbofuran, 3-hydroxy | 1 | Demeton-Smethyl sulfone | 1 | Etofenprox | 1 |
| Carbophenothion | 1 | | | | |

LOQ = Limit of quantitation, µg/L (ppb)



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM



Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
 P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|----------------------|-----|-----------------------|-----|-------------------------------|-----|
| Etoxadazole | 1 | Hexaconazole | 1 | Metolachlor | 1 |
| Etridiazole | 1 | Hexazinone | 1 | Metolcarb | 1 |
| Erimfos | 1 | Hexythiazox | 1 | Metribuzin | 1 |
| Famoxadone | 1 | Hydroprene | 1 | Metsulfuron-methyl | 1 |
| Famphur | 1 | Imazalil | 1 | Mevinphos | 1 |
| Fenamidone | 1 | Imazamox | 1 | MGK 264 | 1 |
| Fenamiphos | 1 | Imazapic | 1 | Mirex | 1 |
| Fenamiphos sulfone | 1 | Imazapyr | 1 | Molinate | 1 |
| Fenamiphos sulfoxide | 1 | Imazaquin | 1 | Monocrotophos | 1 |
| Fenarimol | 1 | Imazethaphyr | 1 | Monolinuron | 1 |
| Fenbuconazole | 1 | Imidacloprid | 1 | Mydobutanil | 1 |
| Fenchlorphos | 1 | Imidoxone | 1 | Naled | 1 |
| Fenhexamid | 1 | Indaziflam | 1 | Napropamide | 1 |
| Fenitrothion | 1 | Indoxacarb | 1 | Neburon | 1 |
| Fenobucarb | 1 | Iprobenfos | 1 | Nicosulfuron | 1 |
| Fenoxycarb | 1 | Iprodione | 0.5 | Nitrapyrin | 5 |
| Fenpropathrin | 1 | Isazophos | 1 | Nitrofen | 1 |
| Fenpyroximate | 1 | Isobenzan | 1 | Norflurazon | 1 |
| Fenson | 1 | Isocarbofos | 1 | Novaluron | 1 |
| Fensulfothion | 1 | Isodrin | 1 | Nuarimol | 1 |
| Fenthion | 1 | Isofenphos | 1 | Omethoate | 1 |
| Fenuron | 1 | Isofenphos-methyl | 1 | O-Phenylphenol | 1 |
| Fipronil | 1 | Isofenphos OA | 1 | Oryzalin | 1 |
| Fonicamid | 1 | Isoprocarb | 1 | Oxadiazon | 1 |
| Fluazifop | 1 | Isopropalin | 1 | Oxadixyl | 2 |
| Fluazinam | 1 | Isoprothiolane | 1 | Oxaryl | 1 |
| Fuchloralin | 1 | Isoproturon | 1 | Oxaryl-oxime | 1 |
| Flucythrinate | 1 | Isoxaben | 1 | Oxychlorane | 1 |
| Rudioxonil | 0.5 | Isoxaflutole | 1 | Oxydemeton-Methyl | 1 |
| Rufenacet | 1 | Jasmodin | 1 | Oxyfluorfen | 1 |
| Rumioxazin | 1 | Kresoxim-methyl | 1 | Oxythioquinox | 1 |
| Ruometuron | 1 | Lactofen | 1 | Pacllobutrazol | 1 |
| Fuopicolide | 1 | Lenacil | 1 | Paraoxon (Paraoxon-ethyl) | 1 |
| Fuopyram | 1 | Lindane (gamma BHC) | 1 | Paraoxon methyl | 1 |
| Fuoxastrobin | 1 | Linuron | 1 | Parathion ethyl | 1 |
| Fuopyradifurone | 1 | Malaoxon | 1 | Parathion methyl | 1 |
| Furidone | 1 | Malathion | 1 | Penconazole | 1 |
| Furoxypyr | 1 | Mandipropamid | 1 | Pendimethalin | 1 |
| Fusilazol | 1 | MCP/M CFB | 1 | Penflufen | 1 |
| Ruthiacet Methyl | 1 | Mecarbam | 1 | Pentachloroaniline | 1 |
| Flutolanil | 0.5 | Mecoprop (MCP) | 1 | Pentachlorobenzene (PCB) | 1 |
| Fluvalinate | 1 | Mepanipyrim | 1 | Pentachlorophenol | 1 |
| Fluxapyroxad | 1 | Mesosulfuron methyl | 1 | Pentachlorothioanisole (PCTA) | 1 |
| Folpet | 2 | Mesotrione | 1 | Penthiopyrad | 1 |
| Fomesafen | 1 | Metalaxyl / Mefenoxam | 0.5 | Permethrin | 1 |
| Fonofos | 1 | Metconazole | 1 | Pertane | 1 |
| Foramsulfuron | 1 | Methacrifos | 1 | Phenmedipham | 1 |
| Forchlorfenuron | 1 | Methamidophos | 1 | Phenothrin | 1 |
| Formetanate | 1 | Methidathion | 1 | Phenthoate | 1 |
| Furathiocarb | 1 | Methiocarb | 1 | Phorate | 1 |
| Halosulfuron-methyl | 1 | Methiocarb sulfone | 1 | Phorate OA | 1 |
| Haloxypop | 1 | Methiocarb sulfoxide | 1 | Phorate Sulfone | 1 |
| Heptachlor | 1 | Methomyl | 1 | Phorate Sulfoxide | 1 |
| Heptachlor epoxide | 1 | Methoxychlor | 1 | Phosalone | 1 |
| Heptenophos | 1 | Methoxyfenozide | 1 | Phosmet | 1 |
| Hexachlorobenzene | 1 | Metobromuron | 1 | Phosphamidon | 1 |

LOQ = Limit of quantitation, µg/L (ppb)



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM



Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
 P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|-------------------------------|-----|--------------------------|-----|--------------------------|-----|
| Phoxim | 1 | Quinalphos | 1 | Terbutryn | 1 |
| Pinoxaden | 1 | Quinclorac | 1 | Tetrachlorvinphos | 1 |
| Piperonyl butoxide | 1 | Quinoxifen | 1 | Tetraconazole | 1 |
| Primicarb | 1 | Quintozene (PCNB) | 1 | Tetradifon | 1 |
| Primiphos-methyl | 1 | Quizalofop | 1 | Tetramethrin | 1 |
| Primiphos-ethyl | 1 | Resmethrin | 1 | Tetrasul | 1 |
| Primisulfuron-methyl | 1 | Rimsulfuron | 1 | Thiabendazole | 1 |
| Prallethrin | 1 | Rotenone | 1 | Thiabendazole, 5-hydroxy | 1 |
| Prochloraz | 1 | S421 | 1 | Thiadoprid | 1 |
| Procyimidone | 1 | Saflufenacil | 1 | Thiamethoxam | 1 |
| Prodiamine | 0.5 | Sabuthylazine | 1 | Thifensulfuron-methyl | 1 |
| Profenofos | 1 | Sethoxydim | 1 | Thiobencarb | 1 |
| Profluralin | 1 | Smazine | 1 | Thiodicarb | 1 |
| Promecarb | 1 | Smetryn | 1 | Thiometon | 1 |
| Prometon | 1 | Spinetoram | 1 | Thionazin | 1 |
| Prometryn | 1 | Spinosad (Spinosyn A, D) | 1 | Thiophanate-methyl | 1 |
| Pronamide (Propyzamide) | 1 | Spirodiclofen | 1 | Tolclofos-methyl | 1 |
| Propachlor | 1 | Spiromesifen | 1 | Tolfenpyrad | 1 |
| Propamocarb | 1 | Spirotetramat | 1 | Tolyfluanid | 1 |
| Propanil | 1 | Spirotetramat enol | 1 | Topramezone | 1 |
| Propargite | 1 | Spiroxamine | 1 | Tralkoxydim | 1 |
| Propazine | 1 | Sulfallate | 1 | Triadimefon | 0.5 |
| Propetamphos | 1 | Sulfentrazone | 1 | Triadimenol | 0.5 |
| Propham | 1 | Sulfometuron-methyl | 1 | Triallate | 1 |
| Propiconazole (isomers a & b) | 0.5 | Sulfosulfuron | 1 | Triasulfuron | 1 |
| Propoxur | 1 | Sulfotep | 1 | Triazophos | 1 |
| Propoxycarbazone sodium | 1 | Sulfoxalor | 1 | Tribenuron-methyl | 1 |
| Prosulfuron | 1 | Sulprofos | 1 | Trichlopyr | 1 |
| Prothioconazole | 1 | tau-Fluvalinate | 1 | Trichlorfon | 1 |
| Prothiofos | 1 | Tebuconazole | 0.5 | Trifloxystrobin | 0.5 |
| Pymetrozine | 1 | Tebufenozide | 1 | Trifloxysulfuron | 1 |
| Pyraclostrobin | 0.5 | ebuthiuron T | 1 | Triflumizole | 1 |
| Pyrazophos | 1 | Tecnazene | 1 | Trifluralin | 1 |
| Pyrethrin | 1 | Tefluthrin, cis- | 1 | Triflusulfuron-methyl | 1 |
| Pyridaben | 1 | Tembotrione | 1 | Triforin | 1 |
| Pyridate (Metabolite) | 1 | Terbacil | 1 | Triticonazole | 1 |
| Pyrimethanil | 1 | Terbufos | 1 | Vindozolin | 0.5 |
| Pyriproxifen | 1 | Terbufos sulfone | 1 | Zoxamide | 1 |
| Pyroxasulfone | 1 | Terbufos sulfoxide | 1 | | |
| Pyrosulam | 1 | Terbutylazine | 1 | | |

ND = Not Detectable µg/L = parts per billion (ppb)

LOQ = Limit of Quantification, µg/L: If an amount below this level is detected (and the identity confirmed), it may be reported as "Trace".

7/10/2019



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM



Project Name: Hollowbrook Golf Club (HBGC)



Environmental Cha

Revision: 3.01 Doc
Revised: 02/20/2020

22-010409



Please inform us if you know or suspect that any part of WSP - Hollow Brook is or chemicals.

| Company: WSP USA | | | Anal | | | | | PO Number: _____ | |
|--|-------------------|--------------|--|-----------------|---|------|-------|--|---|
| Contact: John Benvegna | | | | | | | | Project Number: _____ | |
| Address: 500 Summit Lake Drive, Ste. 450 | | | | | | | | Project Name: Hollowbrook Golf Club (HBGC) | |
| Valhalla, New York 10595 | | | | | | | | Custom Reporting: low LOQ's (< or equal to 0.5 ppb if possible) | |
| Email: john.benvegna@wsp.com | | | | | | | | <input type="checkbox"/> Report to State: _____ | |
| Phone: (914) 694-5711 Fax: () _____ | | | | | | | | Turn-around time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush * *Ask for availability | |
| Billing (if different): Eugene Peterson @ HBGC | | | | | | | | Sampled by: _____ | |
| Lab ID | Field / Sample ID | Date/Time | Preservative code: Verification of type used † | | | | | Matrix †† | Comments |
| | DS-1 | 8/30/22 1100 | x | x | x | x | x | SW | *Custom low LOQ's (< or equal to 0.5 ppb if possible) |
| | GW-1R | 8/30/22 1000 | x | + | + | + | + | GW | *Add additional compounds req'd -please ask Renate |
| | | | | | | | | | *****PLEASE INVOICE*****: |
| | | | | | | | | | Hollowbrook Golf Club |
| | | | | | | | | | Attn: Eugene Peterson |
| | | | | | | | | | 1060 Oregon Road |
| | | | | | | | | | Cortlandt Manor, New York |
| | | | | | | | | | 10567 |
| | | | | | | | | | Eugenep@golfhollowbrook.com |
| | | | | | | | | | *****Report to: |
| | | | | | | | | | John Benvegna, WSP-USA |
| Relinquished By: | | Date | Time | Received By: AC | | Date | Time | Lab Use Only: | |
| | | 8/30/22 | 11:30 | | | 8-31 | 10:54 | Shipped Via: <input checked="" type="checkbox"/> YES or <input type="checkbox"/> Client drop off | |
| | | | | | | | | Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): 2.7 | |
| | | | | | | | | Sample in good condition: <input checked="" type="checkbox"/> yes <input type="checkbox"/> No | |
| | | | | | | | | <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ | |
| | | | | | | | | <input type="checkbox"/> Prelog storage: R44 | |

† Preservative Codes: (If no preservative leave blank) HCL = "CL"; H₂SO₄ = "HS"; NHO₃ = "N3"; NaOH = "NH"; ZnAc = "ZN"

†† Matrix Code: Drinking water (DW); Ground or Well Water (GW); Storm Water (SW); Waste Water (WW); Waste (W); Solid (S)

Samples submitted to CL with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452
info@columbiaboratories.com

Page 1 of 1
www.columbiaboratories.com



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-010409/D003.R000
Report Date: 09/08/2022
Purchase Order:
Received: 08/31/22 10:54 AM
Project Name: Hollowbrook Golf Club (HBGC)



Document ID: 3177 Revision: 3
Effective: 04/26/2022
Page 1 of 1

PACKAGE RECEIVING FORM

Delivery Date: X 8-31 X Same as Opened By Date Unsure

How was the package delivered?

UPS FEDEX USPS DHL OTHER: _____
Tracking Number: A 382 415 7727

| | | CIRCLE ONE | |
|---|------------|------------|----|
| 1) Was package sealed with no evidence of holes/tampering? | | <u>YES</u> | NO |
| Further custody seal/tampering notes: _____ | | | |
| 2) Was packing material used? | | <u>YES</u> | NO |
| If YES: <input type="checkbox"/> PEANUTS <input checked="" type="checkbox"/> BUBBLE <input type="checkbox"/> WRAP <input type="checkbox"/> FOAM PAPER | | | |
| 3) Was a Complete Chain of Custody (COC) received? | | <u>YES</u> | NO |
| Comment (PT?, Email?): _____ | | | |
| 4) Sample temperature upon arrival? | | <u>2.7</u> | °C |
| 5) Evidence of cooling? | | <u>YES</u> | NO |
| If YES, What kind? <input checked="" type="checkbox"/> ICE <input type="checkbox"/> FREEZER PACK <input type="checkbox"/> DRY ICE | | | |
| Insulation? <input checked="" type="checkbox"/> PLASTIC COOLER <input type="checkbox"/> STYROFOAM <input type="checkbox"/> OTHER: | | | |
| 6) Were sample containers sealed in separate plastic bags/secondary containment? | YES | <u>NO</u> | |
| 7) Did sample containers arrive in good condition? | <u>YES</u> | NO | |
| If NO: <input type="checkbox"/> LEAKED <input type="checkbox"/> BROKEN <input type="checkbox"/> OTHER: | | | |
| If NO: Suspect contamination of other samples? <input type="checkbox"/> YES <input type="checkbox"/> NO | | | |
| 8) Sample labels present? | <u>YES</u> | NO | |
| 9) Do sample labels agree with COC? | <u>YES</u> | NO | |
| If NO, number of sample containers received: _____ | | | |

Sample pre-log location:

R39 R44 F44 R99 CANNA SHELF FOOD SHELF Other: _____

Other Notes:

Received By (initials): AC Date: 8-31 Time: 10:57



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-011281/D002.R000
Report Date: 09/28/2022
Purchase Order:
Received: 09/20/22 10:25 AM
Project Name: Hollowbrook Golf Club (HBGC)

Cover Letter

WSP USA
500 Summit Lake Drive, Suite 450
Valhalla New York 10595
United States of America (USA)

Dear John Benvegna,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 22-011281 on 09/20/2022 at 10:25. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-011281/D002.R000
Report Date: 09/28/2022
Purchase Order:
Received: 09/20/22 10:25 AM
Project Name: Hollowbrook Golf Club (HBGC)



Customer: WSP USA
 500 Summit Lake Drive, Suite 450
 Valhalla New York 10595
 United States of America (USA)

Sample ID: GW-1R

Sample Matrix: Water

Laboratory ID: 22-011281-0001-00

Evidence of Cooling: Yes

Temp: 3.1 °C

Relinquished by: UPS

Sample Results

Pesticides

Multi-Residue Pesticide Profile

All compounds on the attached sheet were found to be <LOQ except those listed

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|---------------|--------|-------|-------|----------|-------------------------------|-------|
| Flutolanil | 3.00 | µg/L | 0.500 | 09/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Propiconazole | 0.600 | µg/L | 0.500 | 09/28/22 | AOAC 2007.01 & EN 15662 (mod) | |

Abbreviations

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

µg/L = Micrograms per liter = parts per billion (ppb)

Approved Signatory

Derrick Tanner
 General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-011281/D002.R000
Report Date: 09/28/2022
Purchase Order:
Received: 09/20/22 10:25 AM

Project Name: Hollowbrook Golf Club (HBGC)



Columbia Food Laboratories, Inc
 P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|--------------------------------|-----|-----------------------------------|-----|---------------------------|-----|
| 2,4-D | 0.5 | Carbophenothion-methyl | 1 | Desmedipham | 1 |
| 2,4-DB | 1 | Carboxin | 1 | Diallate | 1 |
| 2,4-DP (Dichlorprop) | 1 | Carfentrazone-ethyl | 1 | Diazinon | 1 |
| 2,4,5-TP | 1 | Chlorantraniliprole | 0.5 | Diazoxon | 1 |
| Acephate | 2 | Chlordane, cis- | 1 | Dicamba | 0.5 |
| Acequinocyl | 1 | Chlordane, trans- | 1 | Dichlobenil | 1 |
| Acetamiprid | 1 | Chlordimeform | 1 | Dichlofenthion | 1 |
| Acetochlor | 1 | Chlorfenapyr | 1 | Dichlofluanid | 1 |
| Aciflorfen | 1 | Chlorfenson (Ovex) | 1 | Dichlorbenzamide | 1 |
| Acrinathrin | 1 | Chlorfenvinphos | 1 | Dichlorvos | 1 |
| Alachlor | 1 | Chlorimuron-ethyl | 1 | Diclobutrazol | 1 |
| Aldicarb | 1 | Chlornitrofen (CNP) | 1 | Diclofop-methyl | 1 |
| Aldicarb sulfoxide | 1 | Chlorobenzilate | 1 | Dicloran | 1 |
| Aldoxycarb (Aldicarb-sulfuron) | 1 | Chloroneb | 1 | Dicofol, p,p'- | 1 |
| Aldrin | 1 | Chlorothalonil | 0.5 | Dicofol, o,p'- | 1 |
| Ametryn | 1 | Chlorpropham (CIPC) | 1 | Dicrotophos | 1 |
| Aspon | 1 | Chlorpyrifos (Chlorpyrifos ethyl) | 1 | Dieldrin | 1 |
| Atrazine | 1 | Chlorpyrifos-methyl | 1 | Diethofencarb | 1 |
| Atrazine-desethyl | 1 | Chlorsulfuron | 1 | Diethyltoluamide (DEET) | 1 |
| Avermectin B1a/B1b (Abemectin) | 1 | Chlorthion | 1 | Difenoconazole | 1 |
| Azinphos-ethyl | 1 | Chlorthiophos | 1 | Difflubenzuron | 1 |
| Azinphos-methyl | 1 | Cinerin | 1 | Diffluenzopyr | 1 |
| Azoxystrobin | 1 | Clethodim | 1 | Dimethenamide | 1 |
| Benalaxyl | 1 | Clethodim Sulfone | 1 | Dimethoate | 1 |
| Bendiocarb | 1 | Clethodim Sulfoxide | 1 | Dimethomorph | 1 |
| Benfluralin | 1 | Clofentezine | 1 | Diniconazole | 1 |
| Benoxacor | 1 | Clomazone | 1 | Dinocap | 1 |
| Bensulide | 1 | Clopyralid | 1 | Dinoseb | 1 |
| Bentazone | 1 | Clothianidin | 1 | Dinotefuran | 1 |
| BHC alpha (HCH) | 1 | Coumaphos | 1 | Dioxathion | 1 |
| BHC beta (HCH) | 1 | Crotoxyphos | 1 | Diphenamid | 1 |
| BHC delta (HCH) | 1 | Cyanazine | 1 | Diphenylamine | 1 |
| Bifenazate | 1 | Cyanofenphos | 1 | Disulfoton | 1 |
| Bifenox | 1 | Cyanophos | 1 | Disulfoton sulfone | 1 |
| Bifenthrin | 1 | Cyantraniliprole | 1 | Disulfoton sulfoxide | 1 |
| Binapacryl | 1 | Cyazofamid | 1 | Dithianon | 1 |
| Bitertanol | 1 | Cycloate | 1 | Diuron | 1 |
| Boscalid (Nicobifen) | 0.5 | Cycloxydim | 1 | DNOC | 1 |
| Bromacil | 1 | Cyfluthrin | 1 | Edifenphos | 1 |
| Bromophos (Bromophos-methyl) | 1 | Cyhalothrin, lambda | 1 | Endosulfan alpha | 1 |
| Bromophos-ethyl | 1 | Cymoxanil | 1 | Endosulfan beta | 1 |
| Bromopropylate | 1 | Cypermethrin | 1 | Endosulfan sulfate | 1 |
| Bromoxynil | 1 | Cyprodinil | 1 | Endrin | 1 |
| Bromuconazole | 1 | Cyromazine | 1 | Endrin aldehyde | 1 |
| Bupirimate | 1 | Dacthal (Chlorthal-dimethyl) | 1 | EPN | 1 |
| Buprofezin | 1 | DDD, o,p'- | 1 | EPTC (Eptam) | 1 |
| Butachlor | 1 | DDD, p,p'- | 1 | Esfenvalerate/Fenvalerate | 1 |
| Butralin | 1 | DDE, o,p'- | 1 | Etaconazole | 1 |
| Butylate | 1 | DDE, p,p'- | 1 | Ethalfuralin | 1 |
| Cadusafos | 1 | DDT, o,p'- | 1 | Ethiofencarb | 1 |
| Captafol | 5 | DDT, p,p'- | 1 | Ethion | 1 |
| Captan | 2 | DEF (Tribufos) | 1 | Ethirimol | 1 |
| Carbaryl | 0.5 | Deltamethrin | 1 | Ethofumesate | 1 |
| Carbendazim | 1 | Demeton-S | 1 | Ethoprophos | 1 |
| Carbofuran | 1 | Demeton-S methyl | 1 | Ethoxyquin | 1 |
| Carbofuran, 3-hydroxy | 1 | Demeton-S methyl sulfone | 1 | Etofenprox | 1 |
| Carbophenothion | 1 | | | | |

LOQ = Limit of quantitation, µg/L (ppb)

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-011281/D002.R000
Report Date: 09/28/2022
Purchase Order:
Received: 09/20/22 10:25 AM



Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|----------------------|-----|-----------------------|-----|-------------------------------|-----|
| Etoxadole | 1 | Hexaconazole | 1 | Metolachlor | 1 |
| Etridiazole | 1 | Hexazinone | 1 | Metolcarb | 1 |
| Etrimfos | 1 | Hexythiazox | 1 | Metribuzin | 1 |
| Famoxadone | 1 | Hydroprene | 1 | Metsulfuron-methyl | 1 |
| Famphur | 1 | Imazalil | 1 | Mevinphos | 1 |
| Fenamidone | 1 | Imazamox | 1 | MGK 264 | 1 |
| Fenamiphos | 1 | Imazapic | 1 | Mirex | 1 |
| Fenamiphos sulfone | 1 | Imazapyr | 1 | Molinate | 1 |
| Fenamiphos sulfoxide | 1 | Imazaquin | 1 | Monocrotophos | 1 |
| Fenarimol | 1 | Imazethaphyr | 1 | Monolinuron | 1 |
| Fenbuconazole | 1 | Imidacloprid | 1 | Myclobutanil | 1 |
| Fenchlorphos | 1 | Imidoxone | 1 | Naled | 1 |
| Fenhexamid | 1 | Indaziflam | 1 | Napropamide | 1 |
| Fenitrothion | 1 | Indoxacarb | 1 | Neburon | 1 |
| Fenobucarb | 1 | Iprobenfos | 1 | Nicosulfuron | 1 |
| Fenoxycarb | 1 | Iprodione | 0.5 | Nitrapyrin | 5 |
| Fenpropathrin | 1 | Isazophos | 1 | Nitrofen | 1 |
| Fenpyroximate | 1 | Isobenzan | 1 | Norflurazon | 1 |
| Fenson | 1 | Isocarbophos | 1 | Novaluron | 1 |
| Fensulfothion | 1 | Isodrin | 1 | Nuarimol | 1 |
| Fenthion | 1 | Isofenphos | 1 | Omethoate | 1 |
| Fenuron | 1 | Isofenphos-methyl | 1 | O-Phenylphenol | 1 |
| Fipronil | 1 | Isofenphos OA | 1 | Oryzalin | 1 |
| Fonicamid | 1 | Isoprocab | 1 | Oxadiazon | 1 |
| Fluazifop | 1 | Isopropalin | 1 | Oxadixyl | 2 |
| Fluazinam | 1 | Isoprothiolane | 1 | Oxamyl | 1 |
| Fluchloralin | 1 | Isoproturon | 1 | Oxamyl-oxime | 1 |
| Flucythrinate | 1 | Isoxaben | 1 | Oxychlorane | 1 |
| Fludioxonil | 0.5 | Isoxaflutole | 1 | Oxydemeton-Methyl | 1 |
| Flufenacet | 1 | Jasmolin | 1 | Oxyfluorfen | 1 |
| Flumioxazin | 1 | Kresoxim-methyl | 1 | Oxythioquinox | 1 |
| Fluometuron | 1 | Lactofen | 1 | Paclbutrazol | 1 |
| Fluopicolide | 1 | Lenacil | 1 | Paraoxon (Paraoxon-ethyl) | 1 |
| Fluopyram | 1 | Lindane (gamma BHC) | 1 | Paraoxon methyl | 1 |
| Fluoxastrobin | 1 | Linuron | 1 | Parathion ethyl | 1 |
| Flupyradifurone | 1 | Malaoxon | 1 | Parathion methyl | 1 |
| Fluridone | 1 | Malathion | 1 | Penconazole | 1 |
| Fluroxypyr | 1 | Mandipropamid | 1 | Pendimethalin | 1 |
| Flusilazol | 1 | MCPA/MCPB | 1 | Penflufen | 1 |
| Fluthiacet Methyl | 1 | Mecarbam | 1 | Pentachloroaniline | 1 |
| Flutolanil | 0.5 | Mecoprop (MCP) | 1 | Pentachlorobenzene (PCB) | 1 |
| Fluvalinate | 1 | Mepanipirim | 1 | Pentachlorophenol | 1 |
| Fluxapyroxad | 1 | Mesosulfuron methyl | 1 | Pentachlorothioanisole (PCTA) | 1 |
| Folpet | 2 | Mesotrione | 1 | Penthiopyrad | 1 |
| Fomesafen | 1 | Metalaxyl / Mefenoxam | 0.5 | Permethrin | 1 |
| Fonofos | 1 | Metconazole | 1 | Perthane | 1 |
| Foramsulfuron | 1 | Methacrifos | 1 | Phenmedipham | 1 |
| Forchlorfenuron | 1 | Methamidophos | 1 | Phenothrin | 1 |
| Formetanate | 1 | Methidathion | 1 | Phenthoate | 1 |
| Furathiocarb | 1 | Methiocarb | 1 | Phorate | 1 |
| Halosulfuron-methyl | 1 | Methiocarb sulfone | 1 | Phorate OA | 1 |
| Haloxfop | 1 | Methiocarb sulfoxide | 1 | Phorate Sulfone | 1 |
| Heptachlor | 1 | Methomyl | 1 | Phorate Sulfoxide | 1 |
| Heptachlor epoxide | 1 | Methoxychlor | 1 | Phosalone | 1 |
| Heptenophos | 1 | Methoxyfenozide | 1 | Phosmet | 1 |
| Hexachlorobenzene | 1 | Metobromuron | 1 | Phosphamidon | 1 |

LOQ = Limit of quantitation, µg/L (ppb)



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-011281/D002.R000
Report Date: 09/28/2022
Purchase Order:
Received: 09/20/22 10:25 AM



Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
 P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|-------------------------------|-----|--------------------------|-----|--------------------------|-----|
| Phoxim | 1 | Quinalphos | 1 | Terbutryn | 1 |
| Pinoxaden | 1 | Quinclorac | 1 | Tetrachlorvinphos | 1 |
| Piperonyl butoxide | 1 | Quinoxifen | 1 | Tetraconazole | 1 |
| Pirimicarb | 1 | Quintozene (PCNB) | 1 | Tetradifon | 1 |
| Pirimiphos-methyl | 1 | Quizalofop | 1 | Tetramethrin | 1 |
| Pirimiphos-ethyl | 1 | Resmethrin | 1 | Tetrasul | 1 |
| Pirimisulfuron-methyl | 1 | Rimsulfuron | 1 | Thiabendazole | 1 |
| Prallethrin | 1 | Rotenone | 1 | Thiabendazole, 5-hydroxy | 1 |
| Prochloraz | 1 | S421 | 1 | Thiacloprid | 1 |
| Procymidone | 1 | Saflufenacil | 1 | Thiamethoxam | 1 |
| Prodiamine | 0.5 | Sebuthylazine | 1 | Thifensulfuron-methyl | 1 |
| Profenofos | 1 | Sethoxydim | 1 | Thiobencarb | 1 |
| Profluralin | 1 | Simazine | 1 | Thiodicarb | 1 |
| Promecarb | 1 | Simetryn | 1 | Thiometon | 1 |
| Prometon | 1 | Spinetoram | 1 | Thionazin | 1 |
| Prometryn | 1 | Spinosad (Spinosyn A, D) | 1 | Thiophanate-methyl | 1 |
| Pronamide (Propyzamide) | 1 | Spirodiclofen | 1 | Tolclofos-methyl | 1 |
| Propachlor | 1 | Spiromesifen | 1 | Tolfenpyrad | 1 |
| Propamocarb | 1 | Spirotetramat | 1 | Tolyfluanid | 1 |
| Propanil | 1 | Spirotetramat enol | 1 | Topramezone | 1 |
| Propargite | 1 | Spiroxamine | 1 | Tralkoxydim | 1 |
| Propazine | 1 | Sulfallate | 1 | Triadimefon | 0.5 |
| Propetamphos | 1 | Sulfentrazone | 1 | Triadimenol | 0.5 |
| Propham | 1 | Sulfometuron-methyl | 1 | Triallate | 1 |
| Propiconazole (isomers a & b) | 0.5 | Sulfosulfuron | 1 | Triasulfuron | 1 |
| Propoxur | 1 | Sulfotep | 1 | Triazophos | 1 |
| Propoxycarbazon sodium | 1 | Sulfoxaflor | 1 | Tribenuron-methyl | 1 |
| Prosulfuron | 1 | Sulprofos | 1 | Trichlopyr | 1 |
| Prothioconazole | 1 | tau-Fluvalinate | 1 | Trichlorfon | 1 |
| Prothiofos | 1 | Tebuconazole | 0.5 | Trifloxystrobin | 0.5 |
| Pymetrozine | 1 | Tebufenozide | 1 | Trifloxysulfuron | 1 |
| Pyraclostrobin | 0.5 | ebuthiuron T | 1 | Triflumizole | 1 |
| Pyrazophos | 1 | Tecnazene | 1 | Trifluralin | 1 |
| Pyrethrin | 1 | Tefluthrin, cis- | 1 | Triflusulfuron-methyl | 1 |
| Pyridaben | 1 | Tembotrione | 1 | Triforin | 1 |
| Pyridate (Metabolite) | 1 | Terbacil | 1 | Triticonazole | 1 |
| Pyrimethanil | 1 | Terbufos | 1 | Vinclozolin | 0.5 |
| Pyriproxifen | 1 | Terbufos sulfone | 1 | Zoxamide | 1 |
| Pyroxasulfone | 1 | Terbufos sulfoxide | 1 | Trinexapac-ethyl | 0.5 |
| Pyroxulam | 1 | Terbuthylazine | 1 | Dlthiopyr | 0.5 |
| | | | | Fenoxaprop-ethyl | 0.5 |

ND = Not Detectable µg/L = parts per billion (ppb)

LOQ = Limit of Quantification, µg/L: If an amount below this level is detected (and the identity confirmed), it may be reported as "Trace".

9/19/2022

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-011281/D002.R000
Report Date: 09/28/2022
Purchase Order:
Received: 09/20/22 10:25 AM



Project Name: Hollowbrook Golf Club (HBGC)



Environmental Chain of Custody

Revision: 3.01 Document Control: CF00
Revised: 02/20/2020 Effective: 02/26/20



WSP - Hollow Brook

Please inform us if you know or suspect that any part of your sample may contain hazardous materials or chemicals.

| Company: WSP USA Contact: John Benvegna Address: 500 Summit Lake Drive, Ste. 450 Valhalla, New York 10595 Email: john.benvegna@wsp.com Phone: (914) 694-5711 Fax: () | | | <table border="1"> <tr> <th colspan="4">Analysis Requested</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | | | Analysis Requested | | | | | | | | PO Number: _____ Project Number: _____ Project Name: Hollowbrook Golf Club (HBGC) Custom Reporting: low LOQ's (< or equal to 0.5 ppb if possible) <input type="checkbox"/> Report to State: _____ Turn-around time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush * *Ask for availability | | |
|--|-------------------|----------------|---|------------------------|--|---------------|--------------------|--|--|--|--|--|--|--|---|--|--|
| Analysis Requested | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Billing (if different): Eugene Peterson @ HBGC | | | Preservative code: Verification of type used † | | | | Sampled by: _____ | | | | | | | | | | |
| Lab ID | Field / Sample ID | Date/Time | | | | | Matrix †† | Comments | | | | | | | | | |
| | GW-1R | 09/19/22 1600 | X | | | | | *Custom low LOQ's (< or equal to 0.5 ppb if possible) *Add additional compounds req'd -please ask Renate *****PLEASE INVOICE*****: Hollowbrook Golf Club Attn: Eugene Peterson 1060 Oregon Road Cortlandt Manor, New York 10567 EugeneP@golfhollowbrook.com *****Report to: John Benvegna, WSP-USA | | | | | | | | | |
| Relinquished By: <i>John Benvegna WSP</i> | | Date: 09/19/22 | Time: 1600 | Received By: <i>DS</i> | | Date: 9/20/22 | Time: 10:25 | <input checked="" type="checkbox"/> Shipped Via: <i>LPS</i> or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <i>3.1°C</i> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ <input type="checkbox"/> Prelog storage: _____ | | | | | | | | | |

† Preservative Codes: (If no preservative leave blank) HCL = "CL"; H₂SO₄ = "HS"; NHO₃ = "N3"; NaOH = "NH"; ZnAc = "ZN"

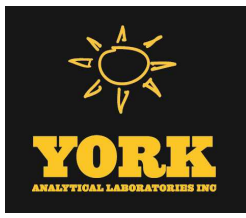
†† Matrix Code: Drinking water (DW); Ground or Well Water (GW); Storm Water (SW); Waste Water (WW); Waste (W); Solid (S)

Samples submitted to CL with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452
info@columbiaboratories.com

Page 1 of 1
www.columbiaboratories.com



Technical Report

prepared for:

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Report Date: 12/21/2022
Client Project ID: Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 22L0860

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 12/21/2022
Client Project ID: Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 22L0860

WSP USA, Inc. (White Plains, NY)
500 Summit Lake Drive, Suite 450
Valhalla NY, 10595
Attention: John Benvegna

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 14, 2022 and listed below. The project was identified as your project: **Hollow Brook Golf Club (HBGC)**.

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

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

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

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

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

| <u>York Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Collected</u> | <u>Date Received</u> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 22L0860-01 | MW-1R | Water | 12/13/2022 | 12/14/2022 |
| 22L0860-02 | DS-1 | Water | 12/13/2022 | 12/14/2022 |

General Notes for York Project (SDG) No.: 22L0860

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

Approved By: 

Date: 12/21/2022

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: MW-1R

York Sample ID: 22L0860-01

York Project (SDG) No.
22L0860

Client Project ID
Hollow Brook Golf Club (HBGC)

Matrix
Water

Collection Date/Time
December 13, 2022 11:35 am

Date Received
12/14/2022

Chloride

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 |
|------------|-----------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| 16887-00-6 | Chloride | 61.6 | | mg/L | 5.00 | 10 | EPA 300.0 | 12/16/2022 03:50 | 12/16/2022 03:50 | NJO |
| | | | | | | | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | | |

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| 14797-55-8 | Nitrate as N | ND | | mg/L | 0.0500 | 1 | EPA 300.0 | 12/14/2022 23:41 | 12/14/2022 23:41 | NJO |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-------|-----------------|----------|------------------|-----------------------------------|--------------------|---------|
| 14797-65-0 | Nitrite as N | ND | | mg/L | 0.0500 | 1 | EPA 300.0 | 12/14/2022 23:41 | 12/14/2022 23:41 | NJO |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,PADEP | | |

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 | 0.572 | | mg/L | 0.0500 | 1 | SM 4500-NH3 D | 12/20/2022 08:43 | 12/20/2022 12:34 | VR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |

Phosphorous, 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 |
|---------|-------------------------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| | Phosphorous, Total as P | 3.6 | | mg/L | 0.50 | 10 | SM 4500-P B5/E | 12/20/2022 14:46 | 12/20/2022 19:01 | ZTS |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |

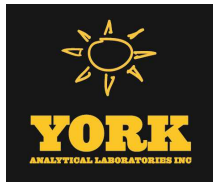
Total Dissolved Solids

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| | Total Dissolved Solids | 287 | | mg/L | 10.0 | 1 | SM 2540C-2015 | 12/19/2022 19:10 | 12/19/2022 19:10 | AA |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |



Sample Information

Client Sample ID: DS-1

York Sample ID: 22L0860-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22L0860

Hollow Brook Golf Club (HBGC)

Water

December 13, 2022 12:15 pm

12/14/2022

Chloride

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 |
|------------|-----------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| 16887-00-6 | Chloride | 101 | | mg/L | 5.00 | 10 | EPA 300.0 | 12/16/2022 03:59 | 12/16/2022 03:59 | NJO |
| | | | | | | | Certifications: | CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP | | |

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 | 0.782 | | mg/L | 0.0500 | 1 | EPA 300.0 | 12/15/2022 02:23 | 12/15/2022 02:23 | NJO |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-------|-----------------|----------|------------------|-----------------------------------|--------------------|---------|
| 14797-65-0 | Nitrite as N | ND | | mg/L | 0.0500 | 1 | EPA 300.0 | 12/15/2022 02:23 | 12/15/2022 02:23 | NJO |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,PADEP | | |

Ammonia Nitrogen as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------------------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| 7664-41-7 | Ammonia Nitrogen as N | ND | | mg/L | 0.0500 | 1 | SM 4500-NH3 D | 12/20/2022 08:43 | 12/20/2022 12:34 | VR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |

Phosphorous, 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 |
|---------|-------------------------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| | Phosphorous, Total as P | 0.082 | | mg/L | 0.050 | 1 | SM 4500-P B5/E | 12/20/2022 14:46 | 12/20/2022 19:01 | ZTS |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |

Total Dissolved Solids

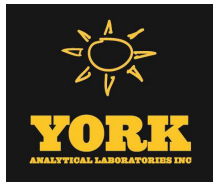
Log-in Notes:

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|------------------|---|--------------------|---------|
| | Total Dissolved Solids | 304 | | mg/L | 10.0 | 1 | SM 2540C-2015 | 12/19/2022 19:10 | 12/19/2022 19:10 | AA |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP | | |





Sample and Data Qualifiers Relating to This Work Order

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.



Field Chain-of-Custody Record

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. 2210660

| YOUR INFORMATION | | INVOICE TO: | | YOUR PROJECT NUMBER | |
|---|---|---|--|---------------------|--|
| Company: <u>WSPA</u> | Company: <u>HOLLOW BROOK GOLF CLUB</u> | YOUR PROJECT NAME | | Turn-Around Time | |
| Address: <u>500 SUMMIT LAKE DR VALHALLA, NY 10595</u> | Address: <u>1060 OREGON RD. CORTLANDT MANOR, NY 10567</u> | Address: <u>HOLLOW BROOK GOLF CLUB (HBBG)</u> | | RUSH - Next Day | |
| Phone: <u>914 461 2961</u> | Phone: <u> </u> | Contact: <u>EUGENE A PETERSON</u> | | RUSH - Two Day | |
| Contact: <u>JOHN BENNELNA @ WSPA</u> | Contact: <u>EUGENE A PETERSON</u> | E-mail: <u>E.PETERSON@HBBG</u> | | RUSH - Three Day | |
| E-mail: <u> </u> | E-mail: <u> </u> | YOUR PO#: | | RUSH - Four Day | |

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

Michael K Defelice
Samples Collected by: (print AND sign your name)

| Matrix Codes | Report / EDD Type (circle selections) | YORK Reg. Comp. |
|--|--|---|
| <input checked="" type="checkbox"/> S - soil / solid | <input checked="" type="checkbox"/> Summary Report | Compared to the following Regulation(s): (please fill in) |
| <input type="checkbox"/> GW - groundwater | <input type="checkbox"/> QA Report | |
| <input type="checkbox"/> DW - drinking water | <input type="checkbox"/> Standard Excel EDD | |
| <input type="checkbox"/> WW - wastewater | <input type="checkbox"/> NY ASP B Package | |
| <input type="checkbox"/> O - Oil / Other | <input type="checkbox"/> Deliverables | |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Other: | |
| Sample Matrix | Date/Time Sampled | Container Type No. |
| <u>GW</u> | <u>12/13/22 1135</u> | <u>1500 ml A-VAP</u> |
| <u>↓</u> | <u>12.15</u> | <u>1500 ml P-HBSC</u> |
| | | |
| | | |
| | | |
| | | |
| | | |

Comments:

1. Samples Relinquished by / Company: Andrew S. York 12/14/22 12.32

2. Samples Relinquished by / Company: Andrew S. York 12/14/22 17.45

3. Samples Received by / Company: Andrew S. York

4. Samples Received by / Company: 12/14/22 17.45

Temperature: 5.1 Degrees C



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-015304/D002.R000
Report Date: 12/28/2022
Purchase Order:
Received: 12/14/22 12:29 PM
Project Name: Hollowbrook Golf Club (HBGC)

Cover Letter

WSP USA
500 Summit Lake Drive, Suite 450
Valhalla New York 10595
United States of America (USA)

Dear John Benvegna,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 22-015304 on 12/14/2022 at 12:29. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-015304/D002.R000
Report Date: 12/28/2022
Purchase Order:
Received: 12/14/22 12:29 PM
Project Name: Hollowbrook Golf Club (HBGC)

Customer: WSP USA
500 Summit Lake Drive, Suite 450
Valhalla New York 10595
United States of America (USA)
Sample ID: DS-1
Sample Matrix: Water
Laboratory ID: 22-015304-0001-00
Evidence of Cooling: Yes
Temp: 2.3 °C
Relinquished by: ups

Sample Results

Pesticides

Multi-Residue Pesticide Profile

All compounds on the attached sheet were found to be <LOQ except those listed

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|------------------|--------|-------|-------|----------|-------------------------------|-------|
| Dithiopyr | < LOQ | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Fenoxaprop-ethyl | < LOQ | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Quintozene | < LOQ | µg/L | 1.00 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Trinexapac-ethyl | < LOQ | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015304/D002.R000
Report Date: 12/28/2022
Purchase Order:
Received: 12/14/22 12:29 PM
Project Name: Hollowbrook Golf Club (HBGC)



Customer: WSP USA
 500 Summit Lake Drive, Suite 450
 Valhalla New York 10595
 United States of America (USA)

Sample ID: GW-1R
Sample Matrix: Water
Laboratory ID: 22-015304-0002-00
Evidence of Cooling: Yes
Temp: 2.3 °C
Relinquished by: ups

Sample Results

Pesticides

Multi-Residue Pesticide Profile

All compounds on the attached sheet were found to be <LOQ except those listed

| Analyte | Result | Units | LOQ | Analyzed | Method | Notes |
|------------------|--------|-------|-------|----------|-------------------------------|-------|
| Dithiopyr | < LOQ | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Fenoxaprop-ethyl | < LOQ | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Flutolanil | 0.900 | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Quintozene | < LOQ | µg/L | 1.00 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |
| Trinexapac-ethyl | < LOQ | µg/L | 0.500 | 12/28/22 | AOAC 2007.01 & EN 15662 (mod) | |

Abbreviations

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

µg/L = Micrograms per liter = parts per billion (ppb)

Approved Signatory

Derrick Tanner
 General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015304/D002.R000
Report Date: 12/28/2022
Purchase Order:
Received: 12/14/22 12:29 PM



Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
 P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|--------------------------------|-----|-----------------------------------|-----|---------------------------|-----|
| 2,4-D | 0.5 | Carbophenothion-methyl | 1 | Desmedipham | 1 |
| 2,4-DB | 1 | Carboxin | 1 | Diallate | 1 |
| 2,4-DP (Dichlorprop) | 1 | Carfentrazone-ethyl | 1 | Diazinon | 1 |
| 2,4,5-TP | 1 | Chlorantraniliprole | 0.5 | Diazoxon | 1 |
| Acephate | 2 | Chlordane, cis- | 1 | Dicamba | 0.5 |
| Acequinocyl | 1 | Chlordane, trans- | 1 | Dichlobenil | 1 |
| Acetamiprid | 1 | Chlordimeform | 1 | Dichlofenthion | 1 |
| Acetochlor | 1 | Chlorfenapyr | 1 | Dichlofluanid | 1 |
| Aciflorfen | 1 | Chlorfenson (Ovex) | 1 | Dichlorbenzamide | 1 |
| Acrinathrin | 1 | Chlorfenvinphos | 1 | Dichlorvos | 1 |
| Alachlor | 1 | Chlorimuron-ethyl | 1 | Diclobutrazol | 1 |
| Aldicarb | 1 | Chlornitrofen (CNP) | 1 | Diclofop-methyl | 1 |
| Aldicarb sulfoxide | 1 | Chlorobenzilate | 1 | Dicloran | 1 |
| Aldoxycarb (Aldicarb-sulfuron) | 1 | Chloroneb | 1 | Dicofol, p,p'- | 1 |
| Aldrin | 1 | Chlorothalonil | 0.5 | Dicofol, o,p'- | 1 |
| Ametryn | 1 | Chlorpropham (CIPC) | 1 | Dicrotophos | 1 |
| Aspon | 1 | Chlorpyrifos (Chlorpyrifos ethyl) | 1 | Dieldrin | 1 |
| Atrazine | 1 | Chlorpyrifos-methyl | 1 | Diethofencarb | 1 |
| Atrazine-desethyl | 1 | Chlorsulfuron | 1 | Diethyltoluamide (DEET) | 1 |
| Avermectin B1a/B1b (Abemectin) | 1 | Chlorthion | 1 | Difenoconazole | 1 |
| Azinphos-ethyl | 1 | Chlorthiophos | 1 | Difflubenzuron | 1 |
| Azinphos-methyl | 1 | Cinerin | 1 | Diffluenzopyr | 1 |
| Azoxystrobin | 1 | Clethodim | 1 | Dimethenamide | 1 |
| Benalaxyl | 1 | Clethodim Sulfone | 1 | Dimethoate | 1 |
| Bendiocarb | 1 | Clethodim Sulfoxide | 1 | Dimethomorph | 1 |
| Benfluralin | 1 | Clofentezine | 1 | Diniconazole | 1 |
| Benoxacor | 1 | Clomazone | 1 | Dinocap | 1 |
| Bensulide | 1 | Clopyralid | 1 | Dinoseb | 1 |
| Bentazone | 1 | Clothianidin | 1 | Dinotefuran | 1 |
| BHC alpha (HCH) | 1 | Coumaphos | 1 | Dioxathion | 1 |
| BHC beta (HCH) | 1 | Crotoxyphos | 1 | Diphenamid | 1 |
| BHC delta (HCH) | 1 | Cyanazine | 1 | Diphenylamine | 1 |
| Bifenazate | 1 | Cyanofenphos | 1 | Disulfoton | 1 |
| Bifenox | 1 | Cyanophos | 1 | Disulfoton sulfone | 1 |
| Bifenthrin | 1 | Cyantraniliprole | 1 | Disulfoton sulfoxide | 1 |
| Binapacryl | 1 | Cyazofamid | 1 | Dithianon | 1 |
| Bitertanol | 1 | Cycloate | 1 | Diuron | 1 |
| Boscalid (Nicobifen) | 0.5 | Cycloxydim | 1 | DNOC | 1 |
| Bromacil | 1 | Cyfluthrin | 1 | Edifenphos | 1 |
| Bromophos (Bromophos-methyl) | 1 | Cyhalothrin, lambda | 1 | Endosulfan alpha | 1 |
| Bromophos-ethyl | 1 | Cymoxanil | 1 | Endosulfan beta | 1 |
| Bromopropylate | 1 | Cypermethrin | 1 | Endosulfan sulfate | 1 |
| Bromoxynil | 1 | Cyprodinil | 1 | Endrin | 1 |
| Bromuconazole | 1 | Cyromazine | 1 | Endrin aldehyde | 1 |
| Bupirimate | 1 | Dacthal (Chlorthal-dimethyl) | 1 | EPN | 1 |
| Buprofezin | 1 | DDD, o,p'- | 1 | EPTC (Eptam) | 1 |
| Butachlor | 1 | DDD, p,p'- | 1 | Esfenvalerate/Fenvalerate | 1 |
| Butralin | 1 | DDE, o,p'- | 1 | Etaconazole | 1 |
| Butylate | 1 | DDE, p,p'- | 1 | Ethalfuralin | 1 |
| Cadusafos | 1 | DDT, o,p'- | 1 | Ethiofencarb | 1 |
| Captafol | 5 | DDT, p,p'- | 1 | Ethion | 1 |
| Captan | 2 | DEF (Tribufos) | 1 | Ethirimol | 1 |
| Carbaryl | 0.5 | Deltamethrin | 1 | Ethofumesate | 1 |
| Carbendazim | 1 | Demeton-S | 1 | Ethoprophos | 1 |
| Carbofuran | 1 | Demeton-S methyl | 1 | Ethoxyquin | 1 |
| Carbofuran, 3-hydroxy | 1 | Demeton-S methyl sulfone | 1 | Etofenprox | 1 |
| Carbophenothion | 1 | | | | |

LOQ = Limit of quantitation, µg/L (ppb)



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-015304/D002.R000
Report Date: 12/28/2022
Purchase Order:
Received: 12/14/22 12:29 PM
Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|----------------------|-----|-----------------------|-----|-------------------------------|-----|
| Etoxadazole | 1 | Hexaconazole | 1 | Metolachlor | 1 |
| Etridiazole | 1 | Hexazinone | 1 | Metolcarb | 1 |
| Etrimfos | 1 | Hexythiazox | 1 | Metribuzin | 1 |
| Famoxadone | 1 | Hydroprene | 1 | Metsulfuron-methyl | 1 |
| Famphur | 1 | Imazalil | 1 | Mevinphos | 1 |
| Fenamidone | 1 | Imazamox | 1 | MGK 264 | 1 |
| Fenamiphos | 1 | Imazapic | 1 | Mirex | 1 |
| Fenamiphos sulfone | 1 | Imazapyr | 1 | Molinate | 1 |
| Fenamiphos sulfoxide | 1 | Imazaquin | 1 | Monocrotophos | 1 |
| Fenarimol | 1 | Imazethaphyr | 1 | Monolinuron | 1 |
| Fenbuconazole | 1 | Imidacloprid | 1 | Myclobutanil | 1 |
| Fenchlorphos | 1 | Imidoxone | 1 | Naled | 1 |
| Fenhexamid | 1 | Indaziflam | 1 | Napropamide | 1 |
| Fenitrothion | 1 | Indoxacarb | 1 | Neburon | 1 |
| Fenobucarb | 1 | Iprobenfos | 1 | Nicosulfuron | 1 |
| Fenoxycarb | 1 | Iprodione | 0.5 | Nitrapyrin | 5 |
| Fenpropathrin | 1 | Isazophos | 1 | Nitrofen | 1 |
| Fenpyroximate | 1 | Isobenzan | 1 | Norflurazon | 1 |
| Fenson | 1 | Isocarbophos | 1 | Novaluron | 1 |
| Fensulfothion | 1 | Isodrin | 1 | Nuarimol | 1 |
| Fenthion | 1 | Isofenphos | 1 | Omethoate | 1 |
| Fenuron | 1 | Isofenphos-methyl | 1 | O-Phenylphenol | 1 |
| Fipronil | 1 | Isofenphos OA | 1 | Oryzalin | 1 |
| Fonicamid | 1 | Isoprocab | 1 | Oxadiazon | 1 |
| Fluazifop | 1 | Isopropalin | 1 | Oxadixyl | 2 |
| Fluazinam | 1 | Isoprothiolane | 1 | Oxamyl | 1 |
| Fluchloralin | 1 | Isoproturon | 1 | Oxamyl-oxime | 1 |
| Flucytrinate | 1 | Isoxaben | 1 | Oxychlorane | 1 |
| Fludioxonil | 0.5 | Isoxaflutole | 1 | Oxydemeton-Methyl | 1 |
| Flufenacet | 1 | Jasmolin | 1 | Oxyfluorfen | 1 |
| Flumioxazin | 1 | Kresoxim-methyl | 1 | Oxythioquinox | 1 |
| Fluometuron | 1 | Lactofen | 1 | Paclbutrazol | 1 |
| Fluopicolide | 1 | Lenacil | 1 | Paraoxon (Paraoxon-ethyl) | 1 |
| Fluopyram | 1 | Lindane (gamma BHC) | 1 | Paraoxon methyl | 1 |
| Fluoxastrobin | 1 | Linuron | 1 | Parathion ethyl | 1 |
| Flupyradifurone | 1 | Malaoxon | 1 | Parathion methyl | 1 |
| Fluridone | 1 | Malathion | 1 | Penconazole | 1 |
| Fluroxypyr | 1 | Mandipropamid | 1 | Pendimethalin | 1 |
| Flusilazol | 1 | MCPA/MCPB | 1 | Penflufen | 1 |
| Fluthiacet Methyl | 1 | Mecarbam | 1 | Pentachloroaniline | 1 |
| Flutolanil | 0.5 | Mecoprop (MCP) | 1 | Pentachlorobenzene (PCB) | 1 |
| Fluvalinate | 1 | Mepanipyrim | 1 | Pentachlorophenol | 1 |
| Fluxapyroxad | 1 | Mesosulfuron methyl | 1 | Pentachlorothioanisole (PCTA) | 1 |
| Folpet | 2 | Mesotrione | 1 | Penthiopyrad | 1 |
| Fomesafen | 1 | Metalaxyl / Mefenoxam | 0.5 | Permethrin | 1 |
| Fonofos | 1 | Metconazole | 1 | Perthane | 1 |
| Foramsulfuron | 1 | Methacrifos | 1 | Phenmedipham | 1 |
| Forchlorfenuron | 1 | Methamidophos | 1 | Phenothrin | 1 |
| Formetanate | 1 | Methidathion | 1 | Phenthoate | 1 |
| Furathiocarb | 1 | Methiocarb | 1 | Phorate | 1 |
| Halosulfuron-methyl | 1 | Methiocarb sulfone | 1 | Phorate OA | 1 |
| Haloxfop | 1 | Methiocarb sulfoxide | 1 | Phorate Sulfone | 1 |
| Heptachlor | 1 | Methomyl | 1 | Phorate Sulfoxide | 1 |
| Heptachlor epoxide | 1 | Methoxychlor | 1 | Phosalone | 1 |
| Heptenophos | 1 | Methoxyfenozide | 1 | Phosmet | 1 |
| Hexachlorobenzene | 1 | Metobromuron | 1 | Phosphamidon | 1 |

LOQ = Limit of quantitation, µg/L (ppb)



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015304/D002.R000
Report Date: 12/28/2022
Purchase Order:
Received: 12/14/22 12:29 PM



Project Name: Hollowbrook Golf Club (HBGC)

Columbia Food Laboratories, Inc
 P2220 Multi-Residue Profile in Water

| Compound | LOQ | Compound | LOQ | Compound | LOQ |
|-------------------------------|-----|--------------------------|-----|--------------------------|-----|
| Phoxim | 1 | Quinalphos | 1 | Terbutryn | 1 |
| Pinoxaden | 1 | Quinclorac | 1 | Tetrachlorvinphos | 1 |
| Piperonyl butoxide | 1 | Quinoxifen | 1 | Tetraconazole | 1 |
| Pirimicarb | 1 | Quintozene (PCNB) | 1 | Tetradifon | 1 |
| Pirimiphos-methyl | 1 | Quizalofop | 1 | Tetramethrin | 1 |
| Pirimiphos-ethyl | 1 | Resmethrin | 1 | Tetrasul | 1 |
| Pirimisulfuron-methyl | 1 | Rimsulfuron | 1 | Thiabendazole | 1 |
| Prallethrin | 1 | Rotenone | 1 | Thiabendazole, 5-hydroxy | 1 |
| Prochloraz | 1 | S421 | 1 | Thiacloprid | 1 |
| Procymidone | 1 | Saflufenacil | 1 | Thiamethoxam | 1 |
| Prodiamine | 0.5 | Sebuthylazine | 1 | Thifensulfuron-methyl | 1 |
| Profenofos | 1 | Sethoxydim | 1 | Thiobencarb | 1 |
| Profluralin | 1 | Simazine | 1 | Thiodicarb | 1 |
| Promecarb | 1 | Simetryn | 1 | Thiometon | 1 |
| Prometon | 1 | Spinetoram | 1 | Thionazin | 1 |
| Prometryn | 1 | Spinosad (Spinosyn A, D) | 1 | Thiophanate-methyl | 1 |
| Pronamide (Propyzamide) | 1 | Spirodiclofen | 1 | Tolclofos-methyl | 1 |
| Propachlor | 1 | Spiromesifen | 1 | Tolfenpyrad | 1 |
| Propamocarb | 1 | Spirotetramat | 1 | Tolyfluanid | 1 |
| Propanil | 1 | Spirotetramat enol | 1 | Topramezone | 1 |
| Propargite | 1 | Spiroxamine | 1 | Tralkoxydim | 1 |
| Propazine | 1 | Sulfallate | 1 | Triadimefon | 0.5 |
| Propetamphos | 1 | Sulfentrazone | 1 | Triadimenol | 0.5 |
| Propham | 1 | Sulfometuron-methyl | 1 | Triallate | 1 |
| Propiconazole (isomers a & b) | 0.5 | Sulfosulfuron | 1 | Triasulfuron | 1 |
| Propoxur | 1 | Sulfotep | 1 | Triazophos | 1 |
| Propoxycarbazon sodium | 1 | Sulfoxaflor | 1 | Tribenuron-methyl | 1 |
| Prosulfuron | 1 | Sulprofos | 1 | Trichlopyr | 1 |
| Prothioconazole | 1 | tau-Fluvalinate | 1 | Trichlorfon | 1 |
| Prothiofos | 1 | Tebuconazole | 0.5 | Trifloxystrobin | 0.5 |
| Pymetrozine | 1 | Tebufenozide | 1 | Trifloxysulfuron | 1 |
| Pyraclostrobin | 0.5 | ebuthiuron T | 1 | Triflumizole | 1 |
| Pyrazophos | 1 | Tecnazene | 1 | Trifluralin | 1 |
| Pyrethrin | 1 | Tefluthrin, cis- | 1 | Triflurosulfuron-methyl | 1 |
| Pyridaben | 1 | Tembotrione | 1 | Triforin | 1 |
| Pyridate (Metabolite) | 1 | Terbacil | 1 | Triticonazole | 1 |
| Pyrimethanil | 1 | Terbufos | 1 | Vinclozolin | 0.5 |
| Pyriproxifen | 1 | Terbufos sulfone | 1 | Zoxamide | 1 |
| Pyroxasulfone | 1 | Terbufos sulfoxide | 1 | Trinexapac-ethyl | 0.5 |
| Pyroxsulam | 1 | Terbuthylazine | 1 | Dlthiopyr | 0.5 |
| | | | | Fenoxaprop-ethyl | 0.5 |

ND = Not Detectable

µg/L = parts per billion (ppb)

LOQ = Limit of Quantification, µg/L: If an amount below this level is detected (and the identity confirmed), it may be reported as "Trace".

9/19/2022

3 of 3



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015304/D002.R000
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Project Name: Hollowbrook Golf Club (HBGC)



Environmental Chain of Custody

Revision: 3.01 Document Control:
Revised: 02/20/2020 Effective: 02/



Please inform us if you know or suspect that any part of your sample is...

| Company: WSP USA Contact: John Benvegna Address: 500 Summit Lake Drive, Ste. 450 Valhalla, New York 10595 Email: john.benvegna@wsp.com Phone: (914) 694-5711 Fax: () | | | <table border="1"> <tr> <th colspan="5">Analysis Requested</th> </tr> <tr> <td>P2220*</td> <td>dithiopyr</td> <td>fenoxaprop</td> <td>trinexapac</td> <td>quintozene</td> <td></td> </tr> </table> | | | | | Analysis Requested | | | | | P2220* | dithiopyr | fenoxaprop | trinexapac | quintozene | | PU Number: Project Number: Project Name: Hollowbrook Golf Club (HBGC) Custom Reporting: low LOQ's (< or equal to 0.5 ppb if possible) <input type="checkbox"/> Report to State: Turn-around time: %Standard <input type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush * *Ask for availability | |
|---|-------------------|---------------|--|------------|-------------------------|---|---|--------------------|--|---|--|--|--------|-----------|------------|------------|------------|--|--|--|
| Analysis Requested | | | | | | | | | | | | | | | | | | | | |
| P2220* | dithiopyr | fenoxaprop | trinexapac | quintozene | | | | | | | | | | | | | | | | |
| Billing (if different): Eugene Peterson @ HBGC | | | Preservative code: Verification of type used † | | | | | Sampled by: | | | | | | | | | | | | |
| Lab ID | Field / Sample ID | Date/Time | | | | | | Matrix †† | Comments | | | | | | | | | | | |
| | DS-1 | 12/13/22 1215 | X | X | X | X | X | | *Custom low LOQ's (< or equal to 0.5 ppb if possible) *Add additional compounds req'd -please ask Renate *****PLEASE INVOICE*****: Hollowbrook Golf Club Attn: Eugene Peterson 1060 Oregon Road Cortlandt Manor, New York 10567 Eugenep@golfhollowbrook.com *****Report to: John Benvegna, WSP-USA | | | | | | | | | | | |
| | GW-1R | ↓ 1135 | X | X | X | X | X | | | | | | | | | | | | | |
| Relinquished By: <i>Neil K Defina WSP</i> | | | Date: 12/14/22 | Time: | Received By: <i>LBS</i> | | | Date: 12/14/22 | Time: 12:29 | Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <i>UPS</i> or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <i>2.3</i> Sample in good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: <input type="checkbox"/> Prelog storage: <i>P44</i> | | | | | | | | | | |

† Preservative Codes: (If no preservative leave blank) HCL = "CL"; H₂SO₄ = "HS"; NHO₃ = "N3"; NaOH = "NH"; ZnAc = "ZN"
 †† Matrix Code: Drinking water (DW); Ground or Well Water (GW); Storm Water (SW); Waste Water (WW); Waste (W); Solid (S)

Samples submitted to CL with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

12423 NE Whitaker Way
Portland, OR 97230

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info@columbialaboratories.com

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