



April 13, 2022

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
2021 Annual Monitoring Report

Dear Mr. Preziosi:

In accordance with the Hollow Brook Golf Club (HBGC) Water Quality Monitoring Program, WSP is submitting the following 2021 Annual Monitoring Report. The purpose of the monitoring program is to provide data for measuring compliance with the May 2002 Environmental Management Plan (EMP), and to ensure that integrated pest management is functioning properly.

This report summarizes operational monitoring results for 2021. The monitoring program includes groundwater and surface-water sampling. Baseflow samples are to be 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). Additionally, storm water samples are to be collected once per year. 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. The laboratory has been instructed to report all compounds possible using the analytical methods which cover the applied compounds.

In February 2014, HBGC requested of the Town a modification to the EMP to reduce associated costs. The request was made in consideration of the monitoring results at that time. In a March 30, 2016 letter from LBG (now WSP) to the Town, the following modifications were recommended: 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; and, 4) the storm-sampling protocol outlined in the EMP will be followed until HBGC obtains an outside consultant to perform a new storm-water study. The Town approved these modifications, which became the standard sampling protocol moving forward.

In April 2020, HBGC requested of the Town additional modification to the sampling protocol to reduce associated costs during the 2020 COVID-19 pandemic. 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; and, 2) eliminate surface water sampling at locations SW-3, SW-5 and SW-6. The approval was based on the limited change in analytical results observed over the past several years at these locations. The 2021 sampling events were conducted under this temporary sampling protocol.



1.0 SAMPLE DATES, LOCATIONS AND METHODOLOGIES

In 2021, baseflow sampling events for groundwater and surface-water were conducted on September 15th and December 9th. A storm event was not conducted in 2021 due to either 1) individual precipitation event amounts and intensities did not meet the criteria described in the EMP, or 2) the timing of the precipitation event was not conducive to sampling during normal business hours.

During both baseflow events, samples from surface-water station DS-1 and groundwater sample location GW-1R were analyzed for inorganic and pesticide compounds. 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 pesticide compounds that have been applied 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 Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (when applicable). Additionally, pesticides are evaluated for toxicological significance by comparison with 50 percent of the respective EPA Health Advisory Levels (HALs).

2.0 SAMPLING RESULTS

The 2021 sampling results for groundwater and surface water are discussed below and presented on Tables 1 and 2. Historical results are included in previous Annual Monitoring Reports. The 2021 product application data and laboratory analytical reports are included in the Appendix.

2.1 Summer Baseflow Event: September 15, 2021

2.1.1 Groundwater

The results of laboratory analysis indicate there were three pesticides detected in the groundwater sample collected from GW-1R (Table 1); flutolanil (17 ug/l [micrograms per liter]), propiconazole (1.16 ug/l), and triadimenol (1.05 ug/l). Due to these detections, groundwater was resampled at location GW-1R on October 13, 2021. The results of laboratory analysis indicate that flutolanil and triadimenol were not detected, and propiconazole was detected at 1.10 ug/l. Propiconazole was applied to the course during the 2021 season. Triadimenol is not a course-applied compound but is a primary metabolite of triadimefon, which was applied to the course during 2021 and in previous years. The detected concentrations of these compounds did not exceed the toxicologically significant criteria.

2.1.2 Surface Water

The results of laboratory analysis indicate that no pesticides were detected in the surface water sample collected from the downstream Hollow Brook location DS-1 (Table 1).



2.2 Fall Baseflow Event: December 09, 2021

2.2.1 Groundwater

The results of laboratory analysis indicate that no pesticides were detected at concentrations above the laboratory reporting limits (Table 2).

2.2.2 Surface Water

The results of laboratory analysis indicate that no pesticides were detected in the surface water sample collected from the downstream Hollow Brook location DS-1 (Table 2).

3.0 DISCUSSION AND RESPONSES

The management response to detections of pesticides in HBGC 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, which is 50 percent of the respective EPA HALs;
- The pesticide is not detected in the Hollow Brook; and,
- The use of the pesticide would be restricted to spot applications.

3.1 Pesticide Evaluations

Beyond the 2002 EMP, pesticide use on the course is evaluated regularly by HBGC, WSP and the Town's consulting agronomist Dr. Martin Petrovic.

Chlorantraniliprole was repeatedly detected in groundwater after it was introduced to the course in 2011. All detections were well below the toxicologically significant criteria. It has never been detected in the Hollow Brook and was not detected in groundwater during 2020 or 2021. In accordance with the original 2011 approval for the use of chlorantraniliprole by Dr. Petrovic, this product is only to be used as a "last resort" after other products have failed to control the associated problem.

During 2019, at the request of HBGC, several new pesticides were considered for use on the course. The following compounds were subsequently approved (and added to the monitoring program) based on a review and risk assessment completed by Dr. Petrovic:

- Cyazofamid, Cyfluthrin, Ethofumesate Etridiazole, Fluazinam, Fludioxonil, Fluroxypyr+Triclopyr, Fluxapyroxad, Imidacloprid, Mesotrione, Myclobutanil, Polyoxin D Zinc, Prothioconazole, Pyraclastrobin, Sethoxydim and Spinosad.



3.2 Response Based on 2021 Results

Propiconazole, triadimenol, and flutaloniil (all applied to the course during 2021) were detected in the GW-1R groundwater sample during the summer sampling event. A resample event was conducted in October 2021 and the results indicated that flutolaniil and triadmenol were not detected, and propiconazole was detected at a concentration of 1.10 ug/l. No pesticides were detected in the groundwater sample during the fall 2021 event. Due to the detections of propiconazole in both the summer baseflow and October resampling event, and the recurrent detections the previous years, it is recommended that the use of this compound be restricted to spot applications for 2022.

Chlorantraniliprole was applied to the course during 2021 but was not detected in the groundwater sample during either the summer or fall sampling events. Based on historical detections observed during previous years, it is recommended the club adhere to the 2011 decision that it may be used only as a 'last resort' compound during 2022.

Kind regards,

WSP USA

Michael K. De Felice, PG
Senior Hydrogeologist

Reviewed By:

John Benvegna, PG (NY), CPG
Assistant Vice President, Hydrogeologist

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



TABLES

TABLE 1

HOLLOW BROOK GOLF CLUB
TOWN OF CORTLANDT, NEW YORK

Phase III Operational Monitoring
Summer 2021 Baseflow Sampling Event - Samples Collected September 15, 2021

Parameters	Groundwater Quality								Surface Water Quality						
	Groundwater Sample			Resampled GW-1R^ (10/13/21)	Groundwater Regulations			Surface Water Sample				Surface Water Regulations			
	GW-1R	GW-3	GW-4		Response Threshold	NY Standard or Guidance Value (1)	50% HAL	SW-3	SW-5	SW-6	DS-1	Response Threshold	NY Standard or Guidance Value (2)	50% HAL	
Field Parameters															
pH	---	6.73	N	N	NM	<6.5 or >8.5	>6.5 and <8.5	N/A	N	N	N	7.46	<6.5 or >8.5	>6.5 and <8.5	N/A
Temperature	Celsius	21.0	N	N	NM	None	NS	N/A	N	N	N	20.0	None	NS	N/A
Conductivity	mS/cm	522	N	N	NM	None	NS	N/A	N	N	N	438	None	NS	N/A
DO	mg/l	2.15	N	N	NM	None	NS	N/A	N	N	N	7.42	<6.0	>6.0	N/A
Inorganics															
TDS	mg/l	292	N	N	NA	None	500	N/A	N	N	N	266	500	500	N/A
Chloride	mg/l	43.6	N	N	NA	250	250	N/A	N	N	N	79.0	250	250	N/A
Nitrate	mg/l	<0.05	N	N	NA	5.0/ST/SD	10	N/A	N	N	N	0.438	10/ST/SD	10	N/A
Nitrite	mg/l	<0.05	N	N	NA	1.0/ST/SD	1.0	N/A	N	N	N	<0.05	1.0/ST/SD	1.0	N/A
Ammonia	mg/l	0.640	N	N	NA	2.0/ST/SD	2.0	N/A	N	N	N	<0.05	2.0/ST/SD	2.0	N/A
Phosphorous	mg/l	2.9	N	N	NA	ST/SD	NS	N/A	N	N	N	<0.05	ST/SD	NS	N/A
Organics - Applied to course during year															
Azoxystrobin	ug/l	<1.0	N	N	<1.0	Any	NS	630	N	N	N	<1.0	Any	NS	630
Boscalid	ug/l	<1.0	N	N	<1.0	Any	NS	76.5	N	N	N	<1.0	Any	NS	76.5
Chlorantraniliprole	ug/l	<0.5	N	N	<0.5	Any	NS	5,530	N	N	N	<0.5	Any	NS	5,530
Clopyralid	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	5	---
Cyazofamid	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Dithiopyr	ug/l	<1.0	N	N	<1.0	Any	NS	12.5	N	N	N	<1.0	Any	NS	12.5
Fluazinam	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Fludioxonil	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Flutolanil	ug/l	17	N	N	<0.5	Any	NS	2100	N	N	N	<0.5	Any	NS	2100
Imidacloprid	ug/l	<1.0	N	N	<1.0	Any	NS	200	N	N	N	<1.0	Any	NS	200
Iprodione	ug/l	<0.5	N	N	<0.5	Any	NS	4	N	N	N	<0.5	Any	NS	4
Lambda-cyhalothrin	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Mefenoxam / Metalaxyl	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Pacllobutrazol	ug/l	<1.0	N	N	<1.0	Any	NS	87.5	N	N	N	<1.0	Any	NS	87.5
Propamocarb	ug/l	<1.0	N	N	<1.0	Any	NS	350	N	N	N	<1.0	Any	NS	350
Propiconazole	ug/l	1.16	N	N	1.10	Any	NS	4.55	N	N	N	<0.5	Any	NS	4.55
Pyraclostrobin	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Spinosad	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Triadimefon	ug/l	<0.5	N	N	<0.5	Any	NS	14	N	N	N	<0.5	Any	NS	14
Triadimenol*	ug/l	1.05	N	N	<0.5	Any	NS	13.5	N	N	N	<0.5	Any	NS	13.5
Trifloxystrobin	ug/l	<0.5	N	N	<0.5	Any	NS	175	N	N	N	<0.5	Any	NS	175
Trinexapac-ethyl	ug/l	<1.0	N	N	<1.0	Any	NS	110.5	N	N	N	<1.0	Any	NS	110.5
Organics - Not applied to course during year / Applied within past 5 years															
Carbaryl	ug/l	<0.5	N	N	<0.5	Any	29	35	N	N	N	<0.5	Any	NS	35
Dicamba	ug/l	<0.5	N	N	<0.5	Any	0.44	2000	N	N	N	<0.5	Any	NS	2000
Fenoxaprop-ethyl	ug/l	<0.5	N	N	<0.5	Any	NS	---	N	N	N	<0.5	Any	NS	---
Fluxapyroxad	ug/l	<1.0	N	N	<1.0	Any	NS	---	N	N	N	<1.0	Any	NS	---
Mecoprop	ug/l	<1.0	N	N	<1.0	Any	NS	700	N	N	N	<1.0	Any	NS	700
Tebuconazole	ug/l	<1.0	N	N	<1.0	Any	NS	190**	N	N	N	<1.0	Any	NS	---
Vinclozolin	ug/l	<0.5	N	N	<0.5	Any	NS	4.2	N	N	N	<0.5	Any	NS	4.2

Response Threshold as per Section 5.7.6 of the Management Plan.
 NY Standard - New York State Water Quality Standard per 6 NYCRR Parts 700-705 (1) Class GA groundwater, (2) Class A, A-S, AA, AA-S surface water
 50% HAL - 50% of the USEPA Health Advisory Limit. This is the toxicologically significant level for groundwater and surface water sample DS-1 in the absence of a State standard.
 SS/ST/SD - State Standard or Statistically Significant Trend or Standard Deviation Exceedence
 Any - Any detection triggers the Response Threshold
 *Triadimenol is not applied but is a primary metabolite of triadimefon which is applied
 **Indicates a Human Health Benchmark for Pesticides (HHBP) as a HAL does not exist
 < Indicates compound was not detected above the laboratory reportable limit

DO - Dissolved oxygen
 TDS - Total Dissolved Solids
 NM - Not measured
 NA - Not analyzed
 NS - No standard
 N/A - Not applicable
 uS/cm - Microseimens per centimeter
 mg/l - Milligrams per liter
 ug/l - Micrograms per liter
 --- - HAL not available
 N - Not sampled
 ^ Monitor Well GW-1R resampled October 13, 2021

Exceedance of the RT
 Exceedance of 50% HAL or NYS GWQS

TABLE 2
HOLLOW BROOK GOLF CLUB
TOWN OF CORTLANDT, NEW YORK

Phase III Operational Monitoring
Fall 2021 Baseflow Sampling Event - Samples Collected December 09, 2021

Parameters		Groundwater Quality						Surface Water Quality						
		Groundwater Sample			Groundwater Regulations			Surface Water Sample				Surface Water Regulations		
		GW-1R	GW-3	GW-4	Response Threshold	NY Standard or Guidance Value (1)	50% HAL	SW-3	SW-5	SW-6	DS-1	Response Threshold	NY Standard or Guidance Value (2)	50% HAL
Field Parameters														
pH	---	6.30	N	N	<6.5 or >8.5	>6.5 and <8.5	N/A	N	N	N	6.11	<6.5 or >8.5	>6.5 and <8.5	N/A
Temperature	Celsius	11.4	N	N	None	NS	N/A	N	N	N	4.02	None	NS	N/A
Conductivity	mS/cm	0.651	N	N	None	NS	N/A	N	N	N	0.417	None	NS	N/A
DO	mg/l	8.35	N	N	None	NS	N/A	N	N	N	13.38	<6.0	>6.0	N/A
Inorganics														
TDS	mg/l	366	N	N	None	500	N/A	N	N	N	226	500	500	N/A
Chloride	mg/l	56.8	N	N	250	250	N/A	N	N	N	82.3	250	250	N/A
Nitrate	mg/l	<0.05	N	N	5.0/ST/SD	10	N/A	N	N	N	0.564	10/ST/SD	10	N/A
Nitrite	mg/l	<0.05	N	N	1.0/ST/SD	1.0	N/A	N	N	N	<0.05	1.0/ST/SD	1.0	N/A
Ammonia	mg/l	<0.05	N	N	2.0/ST/SD	2.0	N/A	N	N	N	<0.05	2.0/ST/SD	2.0	N/A
Phosphorous	mg/l	0.63	N	N	ST/SD	NS	N/A	N	N	N	<0.05	ST/SD	NS	N/A
Organics - Applied to course during year														
Azoxystrobin	ug/l	<1.0	N	N	Any	NS	630	N	N	N	<1.0	Any	NS	630
Boscalid	ug/l	<1.0	N	N	Any	NS	76.5	N	N	N	<1.0	Any	NS	76.5
Chlorantraniliprole	ug/l	<0.5	N	N	Any	NS	5,530	N	N	N	<0.5	Any	NS	5,530
Clopyralid	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	5	---
Cyazofamid	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Dithiopyr	ug/l	<1.0	N	N	Any	NS	12.5	N	N	N	<1.0	Any	NS	12.5
Fluazinam	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Fludioxonil	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Flutolanil	ug/l	<0.5	N	N	Any	NS	2100	N	N	N	<0.5	Any	NS	2100
Imidacloprid	ug/l	<1.0	N	N	Any	NS	200	N	N	N	<1.0	Any	NS	200
Iprodione	ug/l	<0.5	N	N	Any	NS	4	N	N	N	<0.5	Any	NS	4
Lambda-cyhalothrin	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Mefenoxam / Metalaxyl	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Paclbutrazol	ug/l	<1.0	N	N	Any	NS	87.5	N	N	N	<1.0	Any	NS	87.5
Propamocarb	ug/l	<1.0	N	N	Any	NS	350	N	N	N	<1.0	Any	NS	350
Propiconazole	ug/l	<0.5	N	N	Any	NS	4.55	N	N	N	<0.5	Any	NS	4.55
Pyraclostrobin	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Spinosad	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Triadimefon	ug/l	<0.5	N	N	Any	NS	14	N	N	N	<0.5	Any	NS	14
Triadimenol*	ug/l	<0.5	N	N	Any	NS	13.5	N	N	N	<0.5	Any	NS	13.5
Trifloxystrobin	ug/l	<0.5	N	N	Any	NS	175	N	N	N	<0.5	Any	NS	175
Trinexapac-ethyl	ug/l	<1.0	N	N	Any	NS	110.5	N	N	N	<1.0	Any	NS	110.5
Organics - Not applied to course during year / Applied within past 5 years														
Carbaryl	ug/l	<0.5	N	N	Any	29	35	N	N	N	<0.5	Any	NS	35
Dicamba	ug/l	<0.5	N	N	Any	0.44	2000	N	N	N	<0.5	Any	NS	2000
Fenoxaprop-ethyl	ug/l	<0.5	N	N	Any	NS	---	N	N	N	<0.5	Any	NS	---
Fluxapyroxad	ug/l	<1.0	N	N	Any	NS	---	N	N	N	<1.0	Any	NS	---
Mecoprop	ug/l	<1.0	N	N	Any	NS	700	N	N	N	<1.0	Any	NS	700
Tebuconazole	ug/l	<1.0	N	N	Any	NS	190**	N	N	N	<1.0	Any	NS	---
Vinclozolin	ug/l	<0.5	N	N	Any	NS	4.2	N	N	N	<0.5	Any	NS	4.2

Response Threshold as per Section 5.7.6 of the Management Plan.
 NY Standard - New York State Water Quality Standard per 6 NYCRR Parts 700-705 (1) Class GA groundwater, (2) Class A, A-S, AA, AA-S surface water
 50% HAL - 50% of the USEPA Health Advisory Limit. This is the toxicologically significant level for groundwater and surface water sample DS-1 in the absence of a State standard.
 SS/ST/SD - State Standard or Statistically Significant Trend or Standard Deviation Exceedence
 Any - Any detection triggers the Response Threshold
 *Triadimenol is not applied but is a primary metabolite of triadimefon which is applied
 **Indicates a Human Health Benchmark for Pesticides (HHBP) as a HAL does not exist
 < Indicates compound was not detected above the laboratory reportable limit

DO - Dissolved oxygen
 TDS - Total Dissolved Solids
 NM - Not measured
 NA - Not analyzed
 NS - No standard
 N/A - Not applicable
 uS/cm - Microseimens per centimeter
 mg/l - Milligrams per liter
 ug/l - Micrograms per liter
 --- - HAL not available
 N - Not sampled

Exceedance of the RT
 Exceedance of 50% HAL or NYS GWQS

FIGURE

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



LEGEND

- SURFACE WATER SAMPLING LOCATION
- MONITOR WELL LOCATION
- NEW MONITOR WELL LOCATION (INSTALLED SPRING 2008)
- 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 1

FERTILIZER AND PESTICIDE APPLICATION SUMMARY

HOLLOW BROOK GOLF CLUB
1060 Oregon Road, Cortlandt Manor, NY 10567
COUNTY CODE: 55
Start Date : 03/01/2021 End Date : 09/03/2021

Date of Application	COMPANY	PRODUCT	AI & FRAC	EPA #	QUANTITY USED	UNITS	RATE OF APP	AREA TREATED	TOTAL AREA TREATED	FILTERED AREA
Mar 30, 2021	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	3.0000	GAL	3 FL OZ / 1000 SF	Tees	3.00 Acres	3.0000 GAL Tees
Mar 30, 2021	NuFarm	Affirm WDG	Polyoxin : FRAC 19	68173-3-1001	9.6000	LB	2.4 LB / Acre	Greens	4.00 Acres	9.6000 LB Greens
Apr 09, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Bayer	Interface Stressgard	Iprodione : Trifloxystrobin : FRAC 2 : FRAC 11	432-1505	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Apr 13, 2021	Dow / Corteva	Dimension 2EW	Dithiopyr	62719-542	3.0000	GAL	0.55 FL OZ / 1000 SF	Fairways	16.00 Acres	3.0000 GAL Fairways
Apr 13, 2021	Dow / Corteva	Dimension 2EW	Dithiopyr	62719-542	2.2500	GAL	0.55 FL OZ / 1000 SF	Rough	12.00 Acres	2.2500 GAL Rough
Apr 14, 2021	Dow / Corteva	Dimension 2EW	Dithiopyr	62719-542	3.7500	GAL	0.55 FL OZ / 1000 SF	Rough	20.00 Acres	3.7500 GAL Rough
Apr 16, 2021	Syngenta	Acelepryn	Chlorantraniliprole	100-1489	0.5900	GAL	15 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.2360 GAL Approaches, 0.9440 GAL Greens
	Syngenta	Heritage Action	Acibenzolar-S- methyl : Azoxystrobin : FRAC P1 : FRAC 11	100-1550	4.0000	LB	0.2 OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.8000 LB Approaches, 3.2000 LB Greens
Apr 20, 2021	Syngenta	Acelepryn	Chlorantraniliprole	100-1489	0.3500	GAL	15 FL OZ / Acre	Tees	3.00 Acres	0.7000 GAL Tees
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	3.0600	GAL	3 FL OZ / 1000 SF	Tees	3.00 Acres	3.0600 GAL Tees
	Dow / Corteva	Dimension 2EW	Dithiopyr	62719-542	0.5600	GAL	0.55 FL OZ / 1000 SF	Tees	3.00 Acres	0.5600 GAL Tees
Apr 23, 2021	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Apr 29, 2021	Syngenta	Banner Maxx	Propiconazole	100-1326	1.3800	GAL	1 FL OZ / 1000 SF	Greens	4.00 Acres	4.1400 GAL Greens
	BASF	Insignia SC	Pyraclostrobin : FRAC 11	79690-290	0.9500	GAL	0.7 FL OZ / 1000 SF	Greens	4.00 Acres	0.9500 GAL Greens
Apr 30, 2021	Syngenta	Banner Maxx	Propiconazole	100-1326	1.0200	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	3.0600 GAL Tees
May 03, 2021	Syngenta	Secure Action	Fluazinam : Acibenzolar-S- methyl : FRAC29 : FRAC P1	100-1633	0.8600	GAL	0.5 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.1720 GAL Approaches, 0.6880 GAL Greens
May 07, 2021	Bayer	Banol	Propamocarb : FRAC 28	432-942	2.0300	GAL	1.5 FL OZ / 1000 SF	Greens	4.00 Acres	4.0600 GAL Greens
May 11, 2021	Bayer	Bayleton Flo	Triadimefon : FRAC 3	432-1445	5.4400	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	10.8800 GAL Fairways
May 12, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2500	GAL	16 FL OZ / Acre	Bunker Faces	2.00 Acres	0.5000 GAL Bunker Faces
	Syngenta	Scimitar GC	Lambda	100-1088	0.1600	GAL	10 FL OZ / Acre	Bunker Faces	2.00 Acres	0.1600 GAL Bunker Faces
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	2.0600	GAL	3 FL OZ / 1000 SF	Bunker Faces	2.00 Acres	2.0600 GAL Bunker Faces
May 12, 2021	Dow / Corteva	Lontrel	Clopyralid	62719-305	0.0600	GAL	4 FL OZ / Acre	Bunker Faces	2.00 Acres	0.1200 GAL Bunker Faces
May 13, 2021	Syngenta	Secure Action	Fluazinam : Acibenzolar-S- methyl : FRAC29 : FRAC P1	100-1633	0.6900	GAL	0.5 FL OZ / 1000 SF	Greens	4.00 Acres	0.6900 GAL Greens
May 21, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	6 FL OZ / Acre	Greens	4.00 Acres	0.3800 GAL Greens
	Syngenta	Scimitar GC	Lambda	100-1088	0.3100	GAL	10 FL OZ / Acre	Greens	4.00 Acres	0.3100 GAL Greens
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	1.3800	GAL	1 FL OZ / 1000 SF	Greens	4.00 Acres	1.3800 GAL Greens
May 24, 2021	Syngenta	Scimitar GC	Lambda	100-1088	0.2300	GAL	10 FL OZ / Acre	Tees	3.00 Acres	0.2300 GAL Tees
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	2.0300	GAL	2 FL OZ / 1000 SF	Tees	3.00 Acres	2.0300 GAL Tees

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Date of Application	COMPANY	PRODUCT	AI & FRAC	EPA #	QUANTITY USED	UNITS	RATE OF APP	AREA TREATED	TOTAL AREA TREATED	FILTERED AREA
May 24, 2021	Syngenta	Scimitar GC	Lambda	100-1088	0.0800	GAL	10 FL OZ / Acre	Driving Range	1.00 Acres	0.0800 GAL Driving Range
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	0.6900	GAL	2 FL OZ / 1000 SF	Driving Range	1.00 Acres	0.6900 GAL Driving Range
May 25, 2021	Syngenta	Trimmit 2SC	Paclobotrazol	100-1014	0.1900	GAL	6 FL OZ / Acre	Greens	4.00 Acres	0.1900 GAL Greens
	Bayer	Banol	Propamocarb : FRAC 28	432-942	2.7500	GAL	2 FL OZ / 1000 SF	Greens	4.00 Acres	5.5000 GAL Greens
May 25, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	1.2500	GAL	10 FL OZ / Acre	Fairways	16.00 Acres	2.5000 GAL Fairways
	Bayer	Bayleton Flo	Triadimefon : FRAC 3	432-1445	5.5000		1 FL OZ / 1000 SF	Fairways	16.00 Acres	11.0000 GAL Fairways
May 29, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.3100	GAL	8 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.1240 GAL Approaches, 0.4960 GAL Greens
	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.7200	GAL	1 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.3440 GAL Approaches, 1.3760 GAL Greens
	Syngenta	Banner Maxx	Propiconazole	100-1326	1.7200	GAL	1 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0320 GAL Approaches, 4.1280 GAL Greens
Jun 02, 2021	Syngenta	Trimmit 2SC	Paclobotrazol	100-1014	0.1900	GAL	6 FL OZ / Acre	Greens	4.00 Acres	0.1900 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	33.0000	LB	3 OZ / 1000 SF	Greens	4.00 Acres	66.0000 LB Greens
Jun 05, 2021	Syngenta	Secure Action	Fluazinam : Acibenzolar-S- methyl : FRAC29 : FRAC P1	100-1633	0.8200	GAL	0.6 FL OZ / 1000 SF	Greens	4.00 Acres	0.8200 GAL Greens
Jun 07, 2021	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.0200	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	1.0200 GAL Tees
	Syngenta	Banner Maxx	Propiconazole	100-1326	1.0200	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	3.0600 GAL Tees
Jun 07, 2021	BASF	Honor	Boscalid : Pyraclostrobin : FRAC 7 : FRAC 11	7969-255	48.0000	LB	3 LB / Acre	Fairways	16.00 Acres	48.0000 LB Fairways
Jun 07, 2021	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	0.3400	GAL	1 FL OZ / 1000 SF	Driving Range	1.00 Acres	0.3400 GAL Driving Range
	Syngenta	Banner Maxx	Propiconazole	100-1326	0.3400	GAL	1 FL OZ / 1000 SF	Driving Range	1.00 Acres	1.0200 GAL Driving Range
Jun 08, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1300	GAL	4 FL OZ / Acre	Greens	4.00 Acres	0.2600 GAL Greens
Jun 08, 2021	PBI / Gordon	Segway	Cyazofamid : FRAC 21	71512-13-2217	1.2300	GAL	0.9 FL OZ / 1000 SF	Greens	4.00 Acres	1.2300 GAL Greens
Jun 10, 2021	Syngenta	Scimitar GC	Lambda	100-1088	0.3900	GAL	10 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0780 GAL Approaches, 0.3120 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	44.0000	LB	3.2 OZ / 1000 SF	Greens/Approaches	5.00 Acres	17.6000 LB Approaches, 70.4000 LB Greens
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Jun 14, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	10 FL OZ / Acre	Tees	3.00 Acres	0.4600 GAL Tees
	Syngenta	Scimitar GC	Lambda	100-1088	0.2300	GAL	10 FL OZ / Acre	Tees	3.00 Acres	0.2300 GAL Tees
	BASF	Honor	Boscalid : Pyraclostrobin : FRAC 7 : FRAC 11	7969-255	9.0000	LB	3 LB / Acre	Tees	3.00 Acres	9.0000 LB Tees
Jun 15, 2021	Syngenta	Banner Maxx	Propiconazole	100-1326	0.3400	GAL	1 FL OZ / 1000 SF	Driving Range	1.00 Acres	1.0200 GAL Driving Range
Jun 15, 2021	Syngenta	Heritage Action	Acibenzolar-S- methyl : Azoxystrobin : FRAC P1 : FRAC 11	100-1550	2.2000	LB	0.2 OZ / 1000 SF	Greens	4.00 Acres	2.2000 LB Greens
	Bayer	Banol	Propamocarb : FRAC 28	432-942	5.5000	GAL	4 FL OZ / 1000 SF	Greens	4.00 Acres	11.0000 GAL Greens
	Dow / Corteva	MatchPoint	Spinosad	62719-523	4.0000	LB	16 OZ / Acre	Greens	4.00 Acres	4.0000 LB Greens

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Jun 15, 2021	Syngenta	Banner Maxx	Propiconazole	100-1326	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	16.5000 GAL Fairways
Jun 22, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	1.7200	GAL	1 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.3440 GAL Approaches, 1.3760 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	33.0000	LB	2.35 OZ / 1000 SF	Greens/Approaches	5.00 Acres	13.2000 LB Approaches, 52.8000 LB Greens
Jun 28, 2021	PrimeraTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	5.5000 GAL Fairways
Jun 28, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	PBI / Gordon	Segway	Cyazofamid : FRAC 21	71512-13-2217	1.5500	GAL	0.9 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.3100 GAL Approaches, 1.2400 GAL Greens
Jun 28, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	8 FL OZ / Acre	Tees	3.00 Acres	0.3800 GAL Tees
	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.0300	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	1.0300 GAL Tees
	Bayer	Interface Stressgard	Iprodione : Trifloxystrobin : FRAC 2 : FRAC 11	432-1505	2.5000	GAL	3 FL OZ / 1000 SF	Tees	3.00 Acres	2.5000 GAL Tees
	Dow / Corteva	MatchPoint		62719-523	3.0000	LB	16 OZ / Acre	Tees	3.00 Acres	3.0000 LB Tees
Jun 28, 2021	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	0.3400	GAL	1 FL OZ / 1000 SF	Approaches	1.00 Acres	0.3400 GAL Approaches
	Bayer	Prostar 70 WG	Flutolanil : FRAC 7	432-1223	9.0000	LB	9 LB / Acre	Approaches	1.00 Acres	9.0000 LB Approaches
Jun 29, 2021	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	0.3400	GAL	1 FL OZ / 1000 SF	Driving Range	1.00 Acres	0.3400 GAL Driving Range
	Quail-Pro	Iprodione	Iprodione : FRAC 2	66222-214	1.0300	GAL	3 FL OZ / 1000 SF	Driving Range	1.00 Acres	1.0300 GAL Driving Range
	Dow / Corteva	MatchPoint	Spinosad	62719-523	1.0000	LB	16 OZ / Acre	Driving Range	1.00 Acres	1.0000 LB Driving Range
Jul 01, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1600	GAL	5 FL OZ / Acre	Greens	4.00 Acres	0.3200 GAL Greens
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	1.3800	GAL	1 FL OZ / 1000 SF	Greens	4.00 Acres	1.3800 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	22.0000	LB	2 OZ / 1000 SF	Greens	4.00 Acres	44.0000 LB Greens
Jul 05, 2021	BASF	Emerald	Boscalid : FRAC 7	7969-196	8.0000	LB	8 OZ / Acre	Fairways	16.00 Acres	16.0000 LB Fairways
	Bayer	Merit 75 WSP	Imidacloprid	432-1318	6.4000	LB	6.4 OZ / Acre	Fairways	16.00 Acres	6.4000 LB Fairways
Jul 06, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	8 FL OZ / Acre	Tees	3.00 Acres	0.3800 GAL Tees
	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.0300	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	1.0300 GAL Tees
	Syngenta	Secure Action	Fluazinam : Acibenzolar-S- methyl : FRAC29 : FRAC P1	100-1633	0.5200	GAL	0.5 FL OZ / 1000 SF	Tees	3.00 Acres	0.5200 GAL Tees
Jul 06, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	6 FL OZ / Acre	Greens	4.00 Acres	0.3800 GAL Greens
	Syngenta	Banner Maxx	Propiconazole	100-1326	1.3800	GAL	1 FL OZ / 1000 SF	Greens	4.00 Acres	4.1400 GAL Greens
	Bayer	Banol	Propamocarb : FRAC 28	432-942	2.7500	GAL	2 FL OZ / 1000 SF	Greens	4.00 Acres	5.5000 GAL Greens
Jul 13, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Bayer	Interface Stressgard	Iprodione : Trifloxystrobin : FRAC 2 : FRAC 11	432-1505	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	34.3800	LB	2.5 OZ / 1000 SF	Greens/Approaches	5.00 Acres	13.7520 LB Approaches, 55.0080 LB Greens
Jul 14, 2021	PrimeraTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	5.5000 GAL Fairways

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Jul 15, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1600	GAL	5 FL OZ / Acre	Greens	4.00 Acres	0.3200 GAL Greens
	Syngenta	Secure Action	Fluazinam : Acibenzolar-S- methyl : FRAC29 : FRAC P1	100-1633	0.6900	GAL	0.5 FL OZ / 1000 SF	Greens	4.00 Acres	0.6900 GAL Greens
Jul 20, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Syngenta	Scimitar GC	Lambda	100-1088	0.3900	GAL	10 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0780 GAL Approaches, 0.3120 GAL Greens
	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.2900	GAL	0.75 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.2580 GAL Approaches, 1.0320 GAL Greens
	Syngenta	Banner Maxx	Propiconazole	100-1326	1.7200	GAL	1 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0320 GAL Approaches, 4.1280 GAL Greens
Jul 20, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	8 FL OZ / Acre	Tees	3.00 Acres	0.3800 GAL Tees
	Syngenta	Scimitar GC	Lambda	100-1088	0.2300	GAL	10 FL OZ / Acre	Tees	3.00 Acres	0.2300 GAL Tees
	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.0300	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	1.0300 GAL Tees
Jul 20, 2021	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	1.0300	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	1.0300 GAL Tees
Jul 23, 2021	Bayer	Banol	Propamocarb : FRAC 28	432-942	4.1300	GAL	3 FL OZ / 1000 SF	Greens	4.00 Acres	8.2600 GAL Greens
	Dow / Corteva	MatchPoint	Spinosad	62719-523	4.0000	LB	16 OZ / Acre	Greens	4.00 Acres	4.0000 LB Greens
Jul 26, 2021	Bayer	Prostar 70 WG	Flutolanil : FRAC 7	432-1223	48.0000	LB	12 LB / Acre	Fairways	4.00 Acres	48.0000 LB Fairways
Jul 27, 2021	PBI / Gordon	Pedigree	Flutolanil : FRAC 7	71711-28-2217	27.5000	GAL	6.6 FL OZ / 1000 SF	Fairways	12.00 Acres	27.5000 GAL Fairways
Jul 30, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1600	GAL	5 FL OZ / Acre	Greens	4.00 Acres	0.3200 GAL Greens
	Syngenta	Trimmit 2SC	Paclbutrazol	100-1014	0.1600	GAL	5 FL OZ / Acre	Greens	4.00 Acres	0.1600 GAL Greens
	Syngenta	Secure Action	Fluazinam : Acibenzolar-S- methyl : FRAC29 : FRAC P1	100-1633	0.6900	GAL	0.5 FL OZ / 1000 SF	Greens	4.00 Acres	0.6900 GAL Greens
Aug 03, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	8 FL OZ / Acre	Tees	3.00 Acres	0.3800 GAL Tees
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	3.0900	GAL	3 FL OZ / 1000 SF	Tees	3.00 Acres	3.0900 GAL Tees
Aug 03, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1600	GAL	5 FL OZ / Acre	Greens	4.00 Acres	0.3200 GAL Greens
	BASF	Insignia SC	Pyraclostrobin : FRAC 11	79690-290	0.9600	GAL	0.7 FL OZ / 1000 SF	Greens	4.00 Acres	0.9600 GAL Greens
Aug 05, 2021	Syngenta	Scimitar GC	Lambda	100-1088	0.3900	GAL	10 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0780 GAL Approaches, 0.3120 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	27.5000	LB	2 OZ / 1000 SF	Greens/Approaches	5.00 Acres	11.0000 LB Approaches, 44.0000 LB Greens
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Aug 09, 2021	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	1.0300	GAL	3 FL OZ / 1000 SF	Driving Range	1.00 Acres	1.0300 GAL Driving Range
Aug 10, 2021	BASF	Emerald	Boscalid : FRAC 7	7969-196	7.9200	LB	0.18 OZ / 1000 SF	Fairways	16.00 Acres	15.8400 LB Fairways
	PrimeraTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	5.5000 GAL Fairways
Aug 11, 2021	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.3800	GAL	1 FL OZ / 1000 SF	Greens	4.00 Acres	1.3800 GAL Greens
Aug 16, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	8 FL OZ / Acre	Tees	3.00 Acres	0.3800 GAL Tees
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	1.0300	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	1.0300 GAL Tees
Aug 16, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1600	GAL	5 FL OZ / Acre	Greens	4.00 Acres	0.3200 GAL Greens
	Bayer	Banol	Propamocarb : FRAC 28	432-942	4.1300	GAL	3 FL OZ / 1000 SF	Greens	4.00 Acres	8.2600 GAL Greens

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Aug 20, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2200	GAL	7 FL OZ / Acre	Greens	4.00 Acres	0.4400 GAL Greens
	Bayer	Signature Xtra Stressgard	Aluminum tris	432-1541	22.0000	LB	2 OZ / 1000 SF	Greens	4.00 Acres	44.0000 LB Greens
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	5.0000	GAL	3.6 FL OZ / 1000 SF	Greens	4.00 Acres	5.0000 GAL Greens
Aug 26, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2700	GAL	7 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.1080 GAL Approaches, 0.4320 GAL Greens
Aug 26, 2021	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	1.7200	GAL	1 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.3440 GAL Approaches, 1.3760 GAL Greens
	Syngenta	Medallion SC	Fludioxonil : FRAC 12	100-1448	3.4400	GAL	2 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.6880 GAL Approaches, 2.7520 GAL Greens
Aug 27, 2021	PrimeriTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	2.7500	GAL	0.5 FL OZ / 1000 SF	Fairways	16.00 Acres	2.7500 GAL Fairways
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	16.5000	GAL	3 FL OZ / 1000 SF	Fairways	16.00 Acres	16.5000 GAL Fairways
	Quali-Pro	T-NEX	Trinexapac-ethyl	53883-353	1.2500	GAL	10 FL OZ / Acre	Fairways	16.00 Acres	1.2500 GAL Fairways
Aug 28, 2021	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	5.5000 GAL Fairways
Aug 30, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2200	GAL	7 FL OZ / Acre	Greens	4.00 Acres	0.4400 GAL Greens
	PBI / Gordon	Segway	Cyazofamid : FRAC 21	71512-13-2217	1.2400	GAL	0.9 FL OZ / 1000 SF	Greens	4.00 Acres	1.2400 GAL Greens
Aug 30, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.1900	GAL	8 FL OZ / Acre	Tees	3.00 Acres	0.3800 GAL Tees
	Syngenta	Subdue Maxx	Mefenoxam : FRAC 4	100-796	0.7700	GAL	0.75 FL OZ / 1000 SF	Tees	3.00 Acres	0.7700 GAL Tees
	Bayer	Bayleton Flo	Triadimefon : FRAC 3	432-1445	1.0300	GAL	1 FL OZ / 1000 SF	Tees	3.00 Acres	2.0600 GAL Tees

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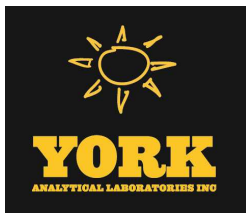
End Date : 12/31/2021

Date of Application	COMPANY	PRODUCT	AI & FRAC	EPA #	QUANTITY USED	UNITS	RATE OF APP	AREA TREATED	TOTAL AREA TREATED	FILTERED AREA
Sep 04, 2021	Syngenta	Secure Action	Fluazinam : Acibenzolar-S-methyl : FRAC29 : FRAC P1	100-1633	0.6900	GAL	0.5 FL OZ / 1000 SF	Greens	4.00 Acres	0.6900 GAL Greens
Sep 07, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2000	GAL	5 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0800 GAL Approaches, 0.3200 GAL Greens
	Bayer	Interface Stressgard	Iprodione : Trifloxystrobin : FRAC 2 : FRAC 11	432-1505	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Sep 13, 2021	PrimeraTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	5.5000 GAL Fairways
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	16.5000	GAL	3 FL OZ / 1000 SF	Fairways	16.00 Acres	16.5000 GAL Fairways
Sep 14, 2021	PrimeraTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	0.7700	GAL	0.75 FL OZ / 1000 SF	Tees	3.00 Acres	0.7700 GAL Tees
	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	3.0900	GAL	3 FL OZ / 1000 SF	Tees	3.00 Acres	3.0900 GAL Tees
Sep 14, 2021	Quali-Pro	T-NEX	Trinexapac-ethyl	53883-353	0.1600	GAL	7 FL OZ / Acre	Tees	3.00 Acres	0.1600 GAL Tees
	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Syngenta	Scimitar GC	Lambda	100-1088	0.3900	GAL	10 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0780 GAL Approaches, 0.3120 GAL Greens
Sep 21, 2021	BASF	Insignia SC	Pyraclostrobin : FRAC 11	79690-290	0.8600	GAL	0.5 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.1720 GAL Approaches, 0.6880 GAL Greens
	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Bayer	Interface Stressgard	Iprodione : Trifloxystrobin : FRAC 2 : FRAC 11	432-1505	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Sep 29, 2021	Syngenta	Primo Maxx	Trinexapac-ethyl	100-937	0.2300	GAL	6 FL OZ / Acre	Greens/Approaches	5.00 Acres	0.0920 GAL Approaches, 0.3680 GAL Greens
	Bayer	Tartan Stressgard	Triadimefon : Trifloxystrobin : FRAC 3 : FRAC 11	432-1446	3.4400	GAL	2 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	0.6880 GAL Approaches, 2.7520 GAL Greens
Sep 30, 2021	BASF	Emerald	Boscalid : FRAC 7	7969-196	7.8400	LB	0.49 LB / Acre	Fairways	16.00 Acres	15.6800 LB Fairways
	PrimeraTurf	Propiconazole 14.3	Propiconazole : FRAC 3	66222-41	4.1300	GAL	0.75 FL OZ / 1000 SF	Fairways	16.00 Acres	4.1300 GAL Fairways
Oct 07, 2021	Bayer	Interface Stressgard	Iprodione : Trifloxystrobin : FRAC 2 : FRAC 11	432-1505	5.0000	GAL	3.6 FL OZ / 1000 SF	Greens	4.00 Acres	5.0000 GAL Greens
Oct 08, 2021	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	3.0900	GAL	3 FL OZ / 1000 SF	Tees	3.00 Acres	3.0900 GAL Tees
	Quali-Pro	T-NEX	Trinexapac-ethyl	53883-353	0.1400	GAL	6 FL OZ / Acre	Tees	3.00 Acres	0.1400 GAL Tees
Oct 20, 2021	Prime Source	Fluazinam 40SC	Fluazinam : FRAC29	89442-37	2.7500	GAL	0.5 FL OZ / 1000 SF	Fairways	16.00 Acres	2.7500 GAL Fairways
Oct 28, 2021	Quali-Pro	Iprodione	Iprodione : FRAC 2	66222-214	5.0000	GAL	3 FL OZ / 1000 SF	Greens/Approaches	5.00 Acres	1.0000 GAL Approaches, 4.0000 GAL Greens
Nov 16, 2021	NuFarm	Affirm WDG	Polyoxin : FRAC 19	68173-3-1001	7.2000	LB	2.4 LB / Acre	Tees	3.00 Acres	7.2000 LB Tees
Nov 17, 2021	Syngenta	Banner Maxx	Propiconazole	100-1326	5.5000	GAL	1 FL OZ / 1000 SF	Fairways	16.00 Acres	16.5000 GAL Fairways
	Intelligro	Civitas Turf Defense	mineral oil	69526-17	80.0000	GAL	5 GAL / Acre	Fairways	16.00 Acres	80.0000 GAL Fairways
Nov 18, 2021	NuFarm	Affirm WDG	Polyoxin : FRAC 19	68173-3-1001	12.0000	LB	2.4 LB / Acre	Greens/Approaches	5.00 Acres	2.4000 LB Approaches, 9.6000 LB Greens



APPENDIX 2

LABORATORY ANALYTICAL REPORT SUMMER 2021



Technical Report

prepared for:

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

Report Date: 09/22/2021
Client Project ID: 31401799.001 Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 2110716

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: 09/22/2021
Client Project ID: 31401799.001 Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 21I0716

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 16, 2021 and listed below. The project was identified as your project: **31401799.001 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>
21I0716-01	GW-1R	Water	09/15/2021	09/16/2021
21I0716-02	DS-1	Water	09/15/2021	09/16/2021

General Notes for York Project (SDG) No.: 2110716

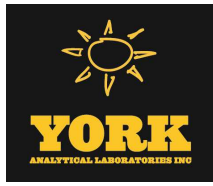
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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: 09/22/2021

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: GW-1R

York Sample ID: 21I0716-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
21I0716	31401799.001 Hollow Brook Golf Club (HBGC)	Water	September 15, 2021 11:00 am	09/16/2021

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	43.6		mg/L	0.500	1	EPA 300.0	09/16/2021 14:09	09/16/2021 21:11	MAO
							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		mg/L	0.0500	1	EPA 300.0	09/16/2021 14:09	09/16/2021 21:11	MAO
							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		mg/L	0.0500	1	EPA 300.0	09/16/2021 14:09	09/16/2021 21:11	MAO
							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	0.640		mg/L	0.0500	1	SM 4500-NH3 D	09/21/2021 14:10	09/21/2021 19:35	ZTS
							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	09/21/2021 07:53	09/21/2021 15:49	JAG
							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	292		mg/L	10.0	1	SM 2540C	09/20/2021 16:17	09/20/2021 16:17	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: DS-1

York Sample ID: 2110716-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110716

31401799.001 Hollow Brook Golf Club (HBGC)

Water

September 15, 2021 11:40 am

09/16/2021

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	79.0		mg/L	2.50	5	EPA 300.0	09/17/2021 16:15	09/18/2021 03:29	MAO
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	0.438		mg/L	0.0500	1	EPA 300.0	09/16/2021 14:09	09/16/2021 21:32	MAO
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		mg/L	0.0500	1	EPA 300.0	09/16/2021 14:09	09/16/2021 21:32	MAO
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	09/21/2021 14:10	09/21/2021 19:35	ZTS
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	09/21/2021 07:53	09/21/2021 15:49	JAG
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

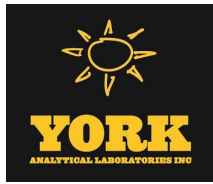
Total Dissolved Solids

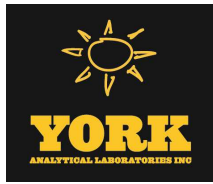
Log-in Notes:

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	266		mg/L	10.0	1	SM 2540C	09/20/2021 16:17	09/20/2021 16:17	AD
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.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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

Report Number: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM



Project Name: Hollowbrook Golf

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 21-010919 on 09/16/2021 at 11:02. 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: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM
Project Name: Hollowbrook Golf



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: 21-010919-0001-00
Evidence of Cooling: Yes
Temp: 4 °C
Relinquished by: UPS

Sample Results

Other Pesticides

WSP Hollow Brook custom

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Dithiopyr	< LOQ	µg/L	1.00	09/28/21	AOAC 2007.01 & EN 15662 (mod)	
Fenoxaprop-ethyl	< LOQ	µg/L	0.500	09/28/21	AOAC 2007.01 & EN 15662 (mod)	
Trinexapac-ethyl	< LOQ	µg/L	1.00	09/28/21	AOAC 2007.01 & EN 15662 (mod)	

Pesticides

Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	µg/L	09/28/21	AOAC 2007.01 & EN 15662 (mod)	



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

Report Number: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM



Project Name: Hollowbrook Golf

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: 21-010919-0002-00
Evidence of Cooling: Yes
Temp: 4 °C
Relinquished by: UPS

Sample Results

Other Pesticides

WSP Hollow Brook custom

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Dithiopyr	< LOQ	µg/L	1.00	09/28/21	AOAC 2007.01 & EN 15662 (mod)	
Fenoxaprop-ethyl	< LOQ	µg/L	0.500	09/28/21	AOAC 2007.01 & EN 15662 (mod)	
Trinexapac-ethyl	< LOQ	µg/L	1.00	09/28/21	AOAC 2007.01 & EN 15662 (mod)	

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	17.0	µg/L	0.500	09/28/21	AOAC 2007.01 & EN 15662 (mod)	
Propiconazole	1.16	µg/L	0.500	09/28/21	AOAC 2007.01 & EN 15662 (mod)	
Triadimenol	1.05	µg/L	0.500	09/28/21	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: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM



Project Name: Hollowbrook Golf

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	Diffuzenopyr	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)	1	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: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM



Project Name: Hollowbrook Golf

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
Etrifos	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	Isoproc carb	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	Oxylordane	1
Fludioxonil	1	Isoxaflutole	1	Oxydemeton-Methyl	1
Flufenacet	1	Jasmolin	1	Oxyfluorfen	1
Flumioxazin	1	Kresoxim-methyl	1	Oxythioquinox	1
Fluometuron	1	Lactofen	1	Pacllobutrazol	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	1	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
Haloxyfop	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: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM



Project Name: Hollowbrook Golf

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
Propoxycarbazone sodium	1	Sulfoxaflor	1	Tribenuron-methyl	1
Prosulfuron	1	Sulprofos	1	Trichlopyr	1
Prothioconazole	1	tau-Fluvalinate	1	Trichlorfon	1
Prothiofos	1	Tebuconazole	1	Trifloxystrobin	0.5
Pymetrozine	1	Tebufenozide	1	Trifloxysulfuron	1
Pyraclostrobin	1	Tebuthiuron	1	Triflumizole	1
Pyrazophos	1	Tecnazene	1	Trifluralin	1
Pyrethrin	1	Tefluthrin, cis-	1	Triflusaluron-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		
Pyroxulam	1	Terbuthylazine	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

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

Report Number: 21-010919/D002.R000
 Report Date: 09/28/2021
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Project Name: Hollowbrook Golf



Environmental Chain of Custody Record

Revision: 3.01 Document Control: CF001
 Revised: 02/20/2020 Effective: 02/26/2020



21-010919

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

WSP - Hollow Brook

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: ()			Analysis Requested <table border="1"> <tr> <td>P2220*</td> <td>dithiopyr</td> <td>fenoxaprop</td> <td>trinexapac</td> <td>quintozene</td> <td></td> </tr> </table>					P2220*	dithiopyr	fenoxaprop	trinexapac	quintozene		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	
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	9.15.21 1140	X	X	X	X	X		*Custom low LOQ's (< or equal to 0.5 ppb if possible)						
	GW-1R	↓ 1100	↓	↓	↓	↓	↓		*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:		Date	Time	Lab Use Only:							
<i>Mark K. Dobb</i>		9.15.21	1100	DS		9/16/21	11:02	<input checked="" type="checkbox"/> Shipped Via: UPS or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): 4.4°C 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:							

† 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@columbialaboratories.com

Page 1 of 1
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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 21-010919/D002.R000
Report Date: 09/28/2021
Purchase Order:
Received: 09/16/21 11:02 AM



Project Name: Hollowbrook Golf



Document ID: 3177 Revision: 2
Effective: 06/25/2021
Page 1 of 1

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 9/16/21 Time: 11:02

Received By (Initials): DS Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Does date match collection date on COC? ----- YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): US64 459 9983

5) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other:

6) Was temperature upon receipt 4°C+/- 2°C (if appropriate)? YES NO NA

If not, client contacted: _____
Proceed? YES NO

7) Was there evidence of cooling? YES NO NA

What kind? Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the COC? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

16) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: 4.4°C



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

Report Number: 21-012256/D002.R000
Report Date: 10/26/2021
Purchase Order: Hollowbrook Golf Clu
Received: 10/14/21 11:19 AM



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 21-012256 on 10/14/2021 at 11:19. 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: 21-012256/D002.R000
Report Date: 10/26/2021
Purchase Order: Hollowbrook Golf Clu
Received: 10/14/21 11:19 AM



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: 21-012256-0001-00
Evidence of Cooling: Yes
Temp: 3.6 °C
Relinquished by: Fedex

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	< LOQ	µg/L	0.500	10/25/21	AOAC 2007.01 & EN 15662 (mod)	
Propiconazole	1.10	µg/L	0.500	10/25/21	AOAC 2007.01 & EN 15662 (mod)	
Triadimenol	< LOQ	µg/L	0.500	10/25/21	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
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503-254-1794

Report Number: 21-012256/D002.R000
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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	Chlorfenox (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)	1	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: 21-012256/D002.R000
Report Date: 10/26/2021
Purchase Order: Hollowbrook Golf Clu
Received: 10/14/21 11:19 AM



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
Etriflores	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	1	Isoxaflutole	1	Oxydemeton-Methyl	1
Flufenacet	1	Jasmodin	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	1	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
Haloxypol	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: 21-012256/D002.R000
Report Date: 10/26/2021
Purchase Order: Hollowbrook Golf Clu
Received: 10/14/21 11:19 AM



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	Tetraclorvinphos	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
Propoxycarbazone sodium	1	Sulfoxaflor	1	Tribenuron-methyl	1
Prosulfuron	1	Sulprofos	1	Trichlopyr	1
Prothioconazole	1	tau-Fluvalinate	1	Trichlorfon	1
Prothiofos	1	Tebuconazole	1	Trifloxystrobin	0.5
Pymetrozine	1	Tebufenozide	1	Trifloxysulfuron	1
Pyraclostrobin	1	Tebuthiuron	1	Triflumizole	1
Pyrazophos	1	Tecnazene	1	Trifluralin	1
Pyrethrin	1	Tefluthrin, cis-	1	Triflusaluron-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		
Pyroxulam	1	Terbuthylazine	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

3 of 3



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

Report Number: 21-012256/D002.R000
Report Date: 10/26/2021
Purchase Order: Hollowbrook Golf Clu
Received: 10/14/21 11:19 AM



Environmental Chain of Custody Record

Revision: 3.01 Document Control: CF001
 Revised: 02/20/2020 Effective: 02/26/2020



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

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: ()			Analysis Requested <table border="1"> <tr> <td>P2220*</td> <td>dithiopyr</td> <td>fenoxaprop</td> <td>trinexapac</td> <td>quintozene</td> <td></td> </tr> </table>					P2220*	dithiopyr	fenoxaprop	trinexapac	quintozene		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	
P2220*	dithiopyr	fenoxaprop	trinexapac	quintozene											
Billing (if different): Eugene Peterson @ HBGC			Preservative code: Verification of type used †					Sampled by: <u>MIKE DEFELICE</u>							
Lab ID	Field / Sample ID	Date/Time					Matrix ††	Comments							
	GW-1R	10/13/21 0930	X	X	X	X	GW	*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: <u>Mike Benvegna WSP</u>		Date: 10/13/21	Time: 1200	Received By: <u>DS</u>		Date: 10/14/21	Time: 11:19	Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <u>FedEx</u> or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <u>3.6°C</u> 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:							

† 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@columbialaboratories.com

Page 1 of 1
www.columbialaboratories.com



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

Report Number: 21-012256/D002.R000
Report Date: 10/26/2021
Purchase Order: Hollowbrook Golf Clu
Received: 10/14/21 11:19 AM



Document ID: 3177 Revision: 2
Effective: 06/25/2021
Page 1 of 1

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 10/14/21 Time: 11:19

Received By (Initials): DS Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Does date match collection date on COC? _____ YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): J233 859 9896

5) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other:

6) Was temperature upon receipt 4°C+/- 2°C (if appropriate)? YES NO NA

If not, client contacted: _____
Proceed? YES NO

7) Was there evidence of cooling? YES NO NA

What kind? Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the COC? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

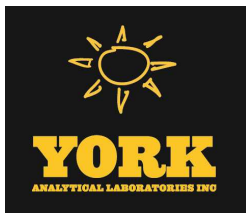
16) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: 3.6°C



APPENDIX 3

LABORATORY ANALYTICAL REPORT FALL 2021



Technical Report

prepared for:

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

Report Date: 12/17/2021
Client Project ID: Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 21L0597

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: 12/17/2021
Client Project ID: Hollow Brook Golf Club (HBGC)
York Project (SDG) No.: 21L0597

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

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 10, 2021 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>
21L0597-01	GW-1R	Water	12/09/2021	12/10/2021
21L0597-02	DS-1	Water	12/09/2021	12/10/2021

General Notes for York Project (SDG) No.: 21L0597

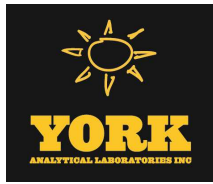
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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: 12/17/2021

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: GW-1R

York Sample ID: 21L0597-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21L0597

Hollow Brook Golf Club (HBGC)

Water

December 9, 2021 10:10 am

12/10/2021

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	56.8		mg/L	2.50	5	EPA 300.0	12/16/2021 15:03	12/17/2021 03:45	MAO
							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		mg/L	0.0500	1	EPA 300.0	12/10/2021 15:30	12/11/2021 06:29	MAO
							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		mg/L	0.0500	1	EPA 300.0	12/10/2021 15:30	12/11/2021 06:29	MAO
							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	12/14/2021 14:32	12/14/2021 21:28	ZTS
							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	0.63		mg/L	0.25	5	SM 4500-P B5/E	12/15/2021 09:08	12/15/2021 14:50	JAG
							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	366		mg/L	10.0	1	SM 2540C	12/13/2021 18:26	12/13/2021 18:26	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: DS-1

York Sample ID: 21L0597-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21L0597

Hollow Brook Golf Club (HBGC)

Water

December 9, 2021 10:30 am

12/10/2021

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	82.3		mg/L	2.50	5	EPA 300.0	12/16/2021 15:03	12/17/2021 04:50	MAO
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	0.564	HT-01R	mg/L	0.0500	1	EPA 300.0	12/10/2021 15:30	12/12/2021 17:34	MAO
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-01R	mg/L	0.0500	1	EPA 300.0	12/10/2021 15:30	12/12/2021 17:34	MAO
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	12/14/2021 14:32	12/14/2021 21:28	ZTS
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	12/15/2021 09:08	12/15/2021 14:50	JAG
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	226		mg/L	10.0	1	SM 2540C	12/13/2021 18:26	12/13/2021 18:26	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-01R This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.

Definitions and Other Explanations

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

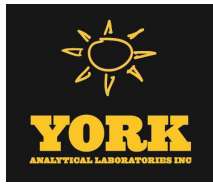
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





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

Report Number: 21-014528/D002.R000
Report Date: 12/21/2021
Purchase Order:
Received: 12/10/21 10:26 AM



Project Name: Hollowbrook Golf

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 21-014528 on 12/10/2021 at 10:26. 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: 21-014528/D002.R000
Report Date: 12/21/2021
Purchase Order:
Received: 12/10/21 10:26 AM
Project Name: Hollowbrook Golf



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: 21-014528-0001-00
Evidence of Cooling: Yes
Temp: 2.8 °C

Sample Results

Other Pesticides

WSP Hollow Brook custom

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Dithiopyr	< LOQ	µg/L	1.00	12/21/21	AOAC 2007.01 & EN 15662 (mod)	
Fenoxaprop-ethyl	< LOQ	µg/L	0.500	12/21/21	AOAC 2007.01 & EN 15662 (mod)	
Trinexapac-ethyl	< LOQ	µg/L	1.00	12/21/21	AOAC 2007.01 & EN 15662 (mod)	

Pesticides

Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	µg/L	12/21/21	AOAC 2007.01 & EN 15662 (mod)	



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

Report Number: 21-014528/D002.R000
Report Date: 12/21/2021
Purchase Order:
Received: 12/10/21 10:26 AM



Project Name: Hollowbrook Golf

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: 21-014528-0002-00
Evidence of Cooling: Yes
Temp: 2.8 °C

Sample Results

Other Pesticides

WSP Hollow Brook custom

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Dithiopyr	< LOQ	µg/L	1.00	12/21/21	AOAC 2007.01 & EN 15662 (mod)	
Fenoxaprop-ethyl	< LOQ	µg/L	0.500	12/21/21	AOAC 2007.01 & EN 15662 (mod)	
Trinexapac-ethyl	< LOQ	µg/L	1.00	12/21/21	AOAC 2007.01 & EN 15662 (mod)	

Pesticides

Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	µg/L	12/21/21	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
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 503-254-1794

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Project Name: Hollowbrook Golf

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)	1	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)



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Project Name: Hollowbrook Golf

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
Etrifos	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
Flonicamid	1	Isoproc carb	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	Oxylordane	1
Fludioxonil	1	Isoxaflutole	1	Oxydemeton-Methyl	1
Flufenacet	1	Jasmolin	1	Oxyfluorfen	1
Flumioxazin	1	Kresoxim-methyl	1	Oxythioquinox	1
Fluometuron	1	Lactofen	1	Pacllobutrazol	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	1	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
Haloxyfop	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)



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Project Name: Hollowbrook Golf

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	Sulfalate	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	Sulfoxaflor	1	Tribenuron-methyl	1
Prosulfuron	1	Sulprofos	1	Trichlopyr	1
Prothioconazole	1	tau-Fluvalinate	1	Trichlorfon	1
Prothiofos	1	Tebuconazole	1	Trifloxystrobin	0.5
Pymetrozine	1	Tebufenozide	1	Trifloxysulfuron	1
Pyraclostrobin	1	Tebuthiuron	1	Triflumizole	1
Pyrazophos	1	Tecnazene	1	Trifluralin	1
Pyrethrin	1	Tefluthrin, cis-	1	Triflusaluron-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		
Pyroxulam	1	Terbuthylazine	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

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

Report Number: 21-014528/D002.R000
 Report Date: 12/21/2021
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Project Name: Hollowbrook Golf



Environmental Chain of Custody Record

Revision: 3.01 Document Control: CF001
 Revised: 02/20/2020 Effective: 02/26/2020



21-014528

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

WSP - Hollow Brook

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: ()			Analysis Requested <table border="1"> <tr> <td>P2220*</td> <td>dithiopyr</td> <td>fenoxaprop</td> <td>trinexapac</td> <td>quintozene</td> <td></td> </tr> </table>					P2220*	dithiopyr	fenoxaprop	trinexapac	quintozene		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	
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	12.9.21 1010	X	X	X	X		*Custom low LOQ's (< or equal to 0.5 ppb if possible)							
	GW-1R	↓ 1030	X	X	X	X		*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:		Date	Time	Lab Use Only:							
Michael G. DeFrance WSP		12.9.21	1500	DS		12/10/21	10:26	<input checked="" type="checkbox"/> Shipped Via: UPS or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): 2.8°C 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 checked="" 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@columbialaboratories.com

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 www.columbialaboratories.com



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 503-254-1794

Report Number: 21-014528/D002.R000
Report Date: 12/21/2021
Purchase Order:
Received: 12/10/21 10:26 AM
Project Name: Hollowbrook Golf



Document ID: 3177 Revision: 2
 Effective: 06/25/2021
 Page 1 of 1

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 12/10/21 Time: 10:25

Received By (Initials): DS Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO NA
 If YES, how many and where? _____

Does date match collection date on COC? ----- YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 12338599841

5) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other: _____

6) Was temperature upon receipt 4°C+- 2°C (if appropriate)? YES NO NA

If not, client contacted: _____
 Proceed? YES NO

7) Was there evidence of cooling? YES NO NA

What kind? Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the COC? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

16) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: 2.8°C