October 6, 2021

Via: E-mail

Mr. Kevin Greaney
RCRA Corrective Action Section
Land Chemicals and Redevelopment Division
U.S. Environmental Protection Agency
61 Forsyth Street, S.W.
Atlanta, GA 30303

Subject: **Quarterly Groundwater Monitoring Report – Third Quarter 2021**
Conbraco Industries, Inc.
Matthews, North Carolina
EPA ID No. NCD107868812
EPA Docket No. RCRA-04-2003-4013

Dear Mr. Greaney:

Shield Engineering, Inc. (Shield) is pleased to submit this Quarterly Groundwater Monitoring Report (Report) for the Conbraco, Industries, Inc. (Conbraco) facility in Matthews, North Carolina (Site). See Figure 1 for the Site Location Map. This Report was prepared in accordance with the Groundwater Monitoring Workplan dated June 21, 2021, submitted as part of the United States Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Docket No. RCRA-04-2003-4013.

Background

Chlorinated volatile organic compounds (CVOCs) have been found in the groundwater at the site going back to the late 1980s. The previous consultant, Law Environmental, Inc., attributed these CVOCs to an upgradient source based on groundwater samples collected from WQ-1, a now abandoned upgradient monitoring well previously located near the current monitoring well MW-A. Monitoring well WQ-1 exhibited similar levels of CVOCs as the now abandoned downgradient monitoring wells WQ-2 and WQ-3S (shallow) previously located near the current monitoring well MW-C. In 1988, groundwater samples collected from the upgradient well WQ-1 contained 26 micrograms per liter (µg/L) of trichloroethene (TCE), and the downgradient wells WQ-2 and WQ-3S contained 14 and 33 µg/L of TCE, respectively. In 1988, a groundwater sample collected from monitoring well WQ-2 also contained 8 µg/L of trans-1,2-dichloroethene (trans-1,2-DCE), a breakdown component of TCE. All of these historic monitoring wells on the Site were previously properly abandoned.

On December 22 and 23, 2020, as part of the Assessment portion of Conbraco's RCRA Final Closure Plan dated February 21, 2020 four permanent monitoring wells were installed. Shield oversaw the installation of these four monitoring wells (MW-A through MW-D) on the northwest, north, east, and southeast portions of the Site (see Figure 2). The wells were installed by Geologic Exploration (GEX), a licensed North Carolina drilling contractor. The wells were installed by first drilling boreholes to the target depths with a decontaminated hollow-stem auger. Permanent monitoring wells constructed of 2-inch diameter polyvinyl chloride (PVC) screen and riser pipe were then installed in the boreholes. A sand filter pack was installed from the bottom of the borings to at least two feet above the top of screen. Hydrated bentonite was placed above the sand filter pack. The wells were completed with flush-mounted vaults and concrete pads. Following installation, the monitoring wells were developed until the water cleared or until purged continuously dry using an electric pump.

Groundwater samples collected from MW-A through MW-D during the first and second quarters of 2021 have shown the upgradient well, MW-A, to be "clean" with respect to all volatile organic compounds (VOCs). The downgradient well, MW-C, exhibited 53 and 50.7, µg/L of TCE (first and second quarter) and 48.7 µg/L (duplicate sample) and 175 and 165 (first and second quarter), of (cis-1,2-DCE), and 166 and 187 µg/L (duplicate sample), a breakdown compound from TCE. The side-gradient monitoring well, MW-B, exhibited 59.4 and 84.4 µg/L of TCE, and 1.1 µg/L of tetrachloroethene (PCE), which can be a parent compound of TCE. The other downgradient well, MW-D, has been "clean" with respect to all VOCs.

For the first and second quarters of 2021 these four wells, MW-A through MW-D, have not shown copper, lead, or zinc above the 15A North Carolina Administrative Code 02L.0202 Groundwater Standards (2L Standards), the applicable standards for the site. In these two previous quarters, iron has been detected in MW-A and MW-B above the 2L Standard. Iron is a naturally occurring mineral in the Piedmont soils at the site likely leaching into the groundwater, especially in the vicinity of MW-A.

Groundwater pH has also been measured in all four monitoring wells measured by field equipment to be slightly lower (4.03 to 6.52 Standard Units) than the 2L Standard of 6.5 Standard Units. Low pH or acidity is also a function of the Piedmont soils in this area. See the well locations in Figure 2. Further background information is included in the previously submitted Groundwater Monitoring Workplan.

Installation of Monitoring Wells MW-E through MW-I

Due to detections of CVOCs in the groundwater, as required by the North Carolina Department of Environmental Quality (NCDEQ) and EPA, five additional monitoring wells were installed at locations prescribed by the NCDEQ and EPA. From August 2 through August 4, 2021, Shield oversaw the installation of these five permanent monitoring wells (MW-E through MW-I) east, northeast, northwest and west of the Site building (see Figure 2). A sub-meter global positioning system (GPS) receiver using differential corrections was used to provide locations for the monitoring wells. The wells were installed and developed by GEX in the same manner as previously installed monitoring wells MW-A through MW-D.

On August 5, 2021, groundwater samples were collected from MW-A through MW-I. Depth-to-water was measured in each well using an electronic water level meter. The wells were then purged utilizing low-flow purging methodology using a peristaltic pump, in accordance with EPA Science and Ecosystem Support Division (SESD) Operating Procedure SESDPROC-301-R4. Low-flow purging was used in an effort to reduce stress to the formation and minimize turbidity. Samples were collected from the wells after field parameters (pH, specific conductance, and turbidity) stabilized indicating each well was adequately purged. Field parameters are shown on Table 2. The results of the sampling are discussed further below.

Relative top-of-casing (TOC) elevations were determined for MW-A through MW-D on February 11, 2021 and for MW-E through MW-I on August 27, 2021. The TOC elevations were measured for each temporary monitoring well using a tripod mounted transit level and were referenced to the MW-A TOC (set to an arbitrary elevation of 100.00 feet). Water levels were measured in the monitoring wells and subtracted from the TOCs to determine groundwater elevation and thus general groundwater flow. See Figure 3 for groundwater flow direction. See Table 1 for well construction details and groundwater gauging data. Boring logs and well details are included in Appendix A and Table 1, respectively. Well Construction Records from GEX are included in Appendix B.

Groundwater Sampling Results – Third Quarter 2021

Inferred groundwater flow and relative elevation contours are included on Figure 3. Based on the depth to groundwater data collected on August 5, 2021, the groundwater flow direction at the Site appears to generally be to the north.

Groundwater samples collected from MW-A through MW-I were submitted to Pace Analytical Services, Inc. (Pace) for laboratory analyses. Groundwater samples collected from monitoring wells MW-A through MW-D were analyzed for VOCs via EPA Method 8260D and copper, iron, lead, and zinc via EPA Method 6020B. Groundwater samples collected from monitoring wells MW-E through MW-I were analyzed for VOCs only via EPA Method 6020B per the Groundwater Monitoring Workplan dated June 21, 2021. Analytical results from the monitoring well samples were compared to the 2L Standards. The following analytes were detected at concentrations exceeding the 2L Standards during the third quarter of 2021:

- **Cis-1,2-DCE** – MW-C (189 µg/L), Dup -1 (187 µg/L), MW-G (4,960), MW-H (701 µg/L), and MW-I (120 µg/L). *The 2L Standard is 70 µg/L.*
- **PCE** – MW-B (1.1 µg/L), MW-F (263 µg/L), MW-G (252 µg/L). *The 2L Standard is 0.7 µg/L.*
- **TCE** – MW-B (84.4 µg/L), MW-C (61.6 µg/L), Dup-1 (60.8 µg/L), MW-E (183 µg/L), MW-F (47,900 µg/L), MW-G (23,300 µg/L), MW-H (1,270 µg/L), and MW-I (903 µg/L). *The 2L Standard is 3 µg/L.*
- **Iron** – MW-A (15,000 µg/L), MW-B (1,280 µg/L), and MW-D (406 µg/L). *The 2L Standard is 300 µg/L.*

Refer to Figures 4 and 5 for the groundwater sample analytical results (VOCs and metals, respectively). A summary of the groundwater analytical results is included in Table 2. The laboratory reports are included in Appendix C.

Quality Control/Quality Assurance

Upon collection, all groundwater samples were labeled and placed in coolers with ice. Standard chain-of-custody procedures were followed to document the handling of the samples. A trip blank was transported with the samples to and from the laboratory and submitted for analysis. No constituents were detected in the trip blank above laboratory reporting limits.

One duplicate water sample was collected from monitoring well MW-C. The duplicate sample was analyzed for the same analytical suite as the primary sample. Review of the relative percent difference (RPD) between the primary and duplicate samples indicated appropriate precision. A field rinsate blank was collected to evaluate sample handling techniques. No constituents were detected in the rinsate blank above laboratory reporting limits.

Shield reviewed the laboratory report for completeness and laboratory quality control indicators. Required documentation was included in the laboratory report. Required method hold times and detection limits were met. Laboratory quality control performance criteria that did not meet laboratory specifications were discussed in the Laboratory's case narrative. Review of the quality control data did not indicate biases or inaccuracies relative to the project results.

Investigation-Derived Waste

Soil cuttings from the borehole advancements, as well as purge water, were collected in 55-gallon metal drums. The material in the drums is being characterized and the drums will be disposed off-Site according to applicable regulations.

Conclusions

CVOCs including TCE, PCE, and cis-1,2-DCE, as well as iron and pH, were detected in Site monitoring wells during the third quarter of 2021 at concentrations exceeding 2L Standards. As copper and zinc have not been detected in any Site monitoring wells at concentrations exceeding the 2L Standards through three quarters of sampling it is requested that groundwater sampling for these two constituents be discontinued. While lead has also not been detected in Site groundwater at a concentration exceeding the 2L Standards through three quarters, groundwater sampling for lead will continue, as required by the NCDEQ and EPA since this is a primary constituent of concern at the Site.

If you have any questions or require additional information, please do not hesitate to contact the undersigned at 704-394-6913.

Sincerely,
SHIELD ENGINEERING, INC.

Wes Barfield
Senior Scientist

Thomas Witner, L.G.
Principal

10-6-21

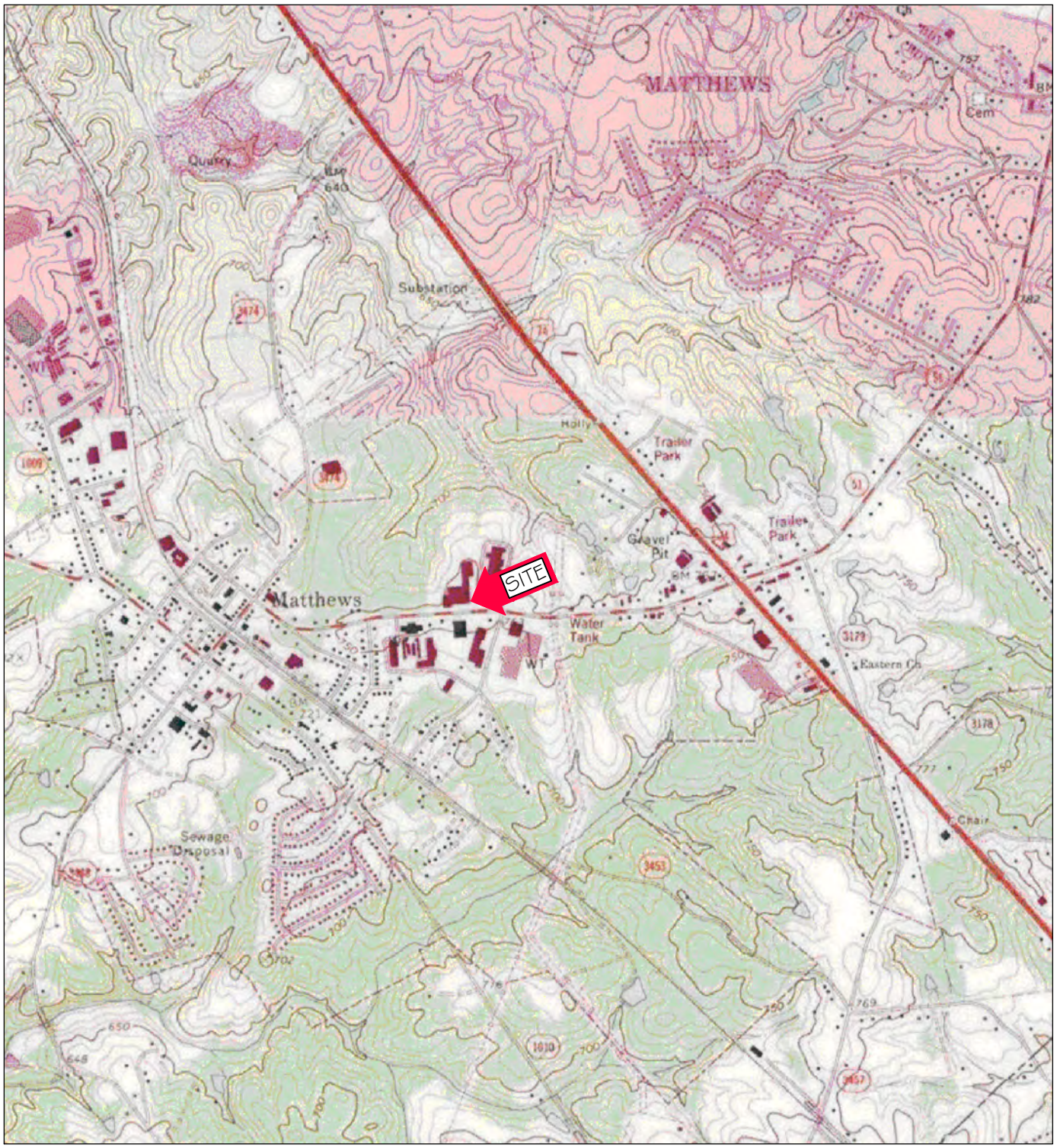
NORTH CAROLINA LICENSED SEAL 916 GEOLOGIST THOMAS W. WITNER

Attachments:

	Figure 1	Site Location Map
	Figure 2	Site Layout
	Figure 3	Groundwater Analytical Results – VOCs
	Figure 4	Groundwater Analytical Results – Metals
	Figure 5	Groundwater Elevation and Contour Map
	Table 1	Summary of Monitoring Well Construction and Groundwater Elevation Data
	Table 2	Analytical Results - Groundwater
	Appendix A	Boring Logs
	Appendix B	Well Construction Records
	Appendix C	Laboratory Analytical Report

Cc: Mr. Eric Aufderhaar, Environmental Program Consultant, NCDEQ via E-mail
Mr. Marty Stewart, Aalberts Integrated Piping Systems via E-mail

FIGURES



N

GRAPHIC SCALE
0 1,000' 2,000'
SCALE: 1 in. = 2,000 ft.

SOURCE: NATIONAL GEOGRAPHIC USGSTOPO, 7.5 MINUTE MAP SERIES, MATTHEWS, NORTH CAROLINA.

SHIELD ENGINEERING
4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-394-6913
704-394-6968 fax
www.shieldengineering.com

SITE LOCATION MAP

CONBRACO INDUSTRIES, INC.
MATTHEWS-MINT HILL ROAD
MATTHEWS, NORTH CAROLINA
SHIELD # 1030214

DATE :	06/23/21	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	1

H:\PROJECTS\2007\CONBRACO RCRA PROJECTS\ACTIVE PROJECTS\1030214\FIGURES\FIG 1

NOVANT HEALTH, INC. PROPERTY

N11°06'56"E 899.29

1528.40 total

APPROXIMATE PROPERTY BOUNDARY

LJW, LLC PROPERTY

Title Tract One

Title Tract Two

Title Tract Five

10.23 Acres

Parking Lot Area

Former Pond Area

Storm Water Swale Area

Matthews Mint Hill Road
60' R/W as per previous surveys

S89°34'05"W 516.18

S11°05'07"W 1392.56 total

POB

SSMH

R/W

iron found

31.07

161.08

66.05

storage

95.25

41.64

183.24

46.85

3.00

20.70

3.00

51.05

39.07

patio

flags

252.98

178.59

199.16

97.53

18.38

21.86

15.62

21.97

49.81

20.00

164.37

43.85

storage shed

227.45

122.95

2.00

25.12

905.52

MW-A

MW-B

MW-C

MW-D

MW-E

MW-F

MW-G

MW-H

MW-I

concrete monument found

concrete

asphalt

gravel

soil

grass & soil

concrete walk

loading dock

concrete dumpster pad

HARRIS TEETER PROPERTY

Legend

Fence	x x x x x x
Railroad	
Building	
Curb line	
Guard rail	
Water line	W
Gas line	G
Underground elec.	UE
Underground tele	UT
Overhead electric..	ohe
Overhead telephone	OT
Sanitary sewer	SS
Storm drain	SD
Flood district limit.	FE
Floodway limit	FP
Power pole	PP
Light pole	LP
San. swr. manhole	SSMH
Storm dr. manhole	SDMH
Power manhole	EMH
Curb inlet	CI
Drop inlet	DI
Fire hydrant	FH
Post indicator valve	PIV
San. swr. cleanout.	co
Telephone pedestal.	TP
Telephone manhole...	TEL
Concrete monument..	CM
Water meter	WM
Electric transformer..	ET
Gas valve	GV
Cable TV ped	CATV
Common utility pole.	UP

Curbed island	
Painted island	
Spot elevation	000.00
Top of curb elev	TC 000.00
Parking space count.	(10)
Groundwater Monitoring Well	

ALL LOCATIONS ARE APPROXIMATE

GRAPHIC SCALE
0 20 40 60 80
SCALE: 1 in. = 80 ft.

SHIELD ENGINEERING
4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-394-6913
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SITE LAYOUT

CONBRACO
CONBRACO INDUSTRIES, INC.
MATTHEWS, NORTH CAROLINA
SHIELD #1030214

DATE :	8/25/21	DRAWN BY :	KJC
SCALE :	AS SHOWN	FIGURE :	2

C:\Users\jgamertsfelder\Shield Engineering\Projects - Active Projects\1030214-04 Matthews Closure Plan Execution\Assessment Report\Drawings\FIG 1 - GW Results & Metals.dwg

NOVANT HEALTH, INC. PROPERTY

N11°06'56"E

899.29

1528.40 total

APPROXIMATE PROPERTY BOUNDARY

LJW, LLC PROPERTY

Title Tract Four

Title Tract Five

10.23 Acres

Former Pond Area

Storm Water Swale Area

HARRIS TEETER PROPERTY

Matthews Mint Hill Road

60' R/W as per previous surveys

S89°24'05"W

516.18

S11°05'07"W

1392.56 total

POB

MW-I	Results	2L Standard
VOC ANALYTE	ug/L	ug/L
Trichloroethene	903	3
Tetrachloroethene	ND	0.7
cis-1,2-Dichloroethene	120	70
trans-1,2-Dichloroethene	ND	100
Chloroform	26.3	70
All other VOCs	ND	NA

MW-H	Results	2L Standard
VOC ANALYTE	ug/L	ug/L
Trichloroethene	1,270	3
Tetrachloroethene	ND	0.7
cis-1,2-Dichloroethene	701	70
trans-1,2-Dichloroethene	ND	100
Chloroform	ND	70
All other VOCs	ND	NA

MW-G	Results	2L Standard
VOC ANALYTE	ug/L	ug/L
Trichloroethene	23,300	3
Tetrachloroethene	252	0.7
cis-1,2-Dichloroethene	4,960	70
trans-1,2-Dichloroethene	ND	100
Chloroform	ND	70
All other VOCs	ND	NA

MW-C	Results	DUP-1	2L Standard
VOC ANALYTE	ug/L	ug/L	ug/L
Trichloroethene	61.6	60.8	3
Tetrachloroethene	ND	ND	0.7
cis-1,2-Dichloroethene	189	187	70
trans-1,2-Dichloroethene	2.1	ND	100
Chloroform	3	3	70
All other VOCs	ND	ND	NA

MW-D	
No constituents of concern exceeded applicable standard	

MW-B	Results	2L Standard
VOC ANALYTE	ug/L	ug/L
Trichloroethene	84.4	3
Tetrachloroethene	1.1	0.7
cis-1,2-Dichloroethene	ND	70
trans-1,2-Dichloroethene	ND	100
Chloroform	ND	70
All other VOCs	ND	NA

MW-A	
No constituents of concern exceeded applicable standard	

MW-E	Results	2L Standard
VOC ANALYTE	ug/L	ug/L
Trichloroethene	183	3
Tetrachloroethene	ND	0.7
cis-1,2-Dichloroethene	ND	70
trans-1,2-Dichloroethene	ND	100
Chloroform	ND	70
All other VOCs	ND	NA

MW-F	Results	2L Standard
VOC ANALYTE	ug/L	ug/L
Trichloroethene	47,900	3
Tetrachloroethene	263	0.7
cis-1,2-Dichloroethene	ND	70
trans-1,2-Dichloroethene	ND	100
Chloroform	ND	70
All other VOCs	ND	NA

Legend

Fence	
Railroad	
Building	
Curb line	
Guard rail	
Water line	W
Gas line	G
Underground elec.	UE
Underground tele	UT
Overhead electric..	ohe
Overhead telephone	OT
Sanitary sewer	SS
Storm drain	SD
Flood district limit.	FE
Floodway limit	FP
Power pole	PP
Light pole	LP
San. swr. manhole	SSMH
Storm dr. manhole	SDMH
Power manhole	EMH
Curb inlet	CI
Drop inlet	DI
Fire hydrant	FH
Post indicator valve	PIV
San. swr. cleanout.	co
Telephone pedestal.	TP
Telephone manhole...	TEL
Concrete monument..	CM
Water meter	WM
Electric transformer..	ET
Gas valve	GV
Cable TV ped.	CATV
Common utility pole.	UP

Curbed island	
Painted island	
Spot elevation	000.00
Top of curb elev.	TC 000.00
Parking space count.	(10)
Groundwater Monitoring Well	
Not Detected at or above the laboratory method detection limit	ND
Micrograms per liter	(ug/L)
Volatile Organic Compounds	VOCs

2L Standard = 15A NCAC 2L Groundwater Standards

1. GROUNDWATER SAMPLES COLLECTED ON 8/5/21.

ALL LOCATIONS ARE APPROXIMATE

GRAPHIC SCALE

0 20 40 60 80

SCALE: 1 in. = 80 ft.

SHIELD ENGINEERING

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GROUNDWATER ANALYTICAL RESULTS VOCs (8/5/21)

CONBRACO
CONBRACO INDUSTRIES, INC.
MATTHEWS, NORTH CAROLINA
SHIELD #1030214

DATE :	8/23/21	DRAWN BY :	KJC
SCALE :	AS SHOWN	FIGURE :	3

C:\Users\jgamertsfelder\Shield Engineering\Projects - Active Projects\1030214-04 Matthews Closure Plan Execution\Assessment Report\Drawings\FIG 1 - GW Results & VOCs.dwg

NOVANT HEALTH, INC. PROPERTY

N11°06'56"E

899.29

1528.40 total

APPROXIMATE PROPERTY BOUNDARY

LJW, LLC PROPERTY

POB

R/W iron found

SSMH

31.07

S89°34'05"W

516.18

Matthews Mint Hill Road
60' R/W as per previous surveys

Title Tract One

Title Tract Five

10.23 Acres

Parking Lot Area

Former Pond Area

Storm Water Swale Area

asphalt

concrete

concrete walk

loading dock

concrete dumpster pad

grass & soil

gravel

storage

patio

flags

concrete monument found

161.08

60.05

95.25

41.64

183.24

178.59

199.16

45.65

3.00

20.70

3.00

51.05

39.07

252.98

29.12

227.45

43.85

164.37

20.00

49.81

18.38

21.88

15.62

97.53

905.52

S11°05'07"W

1392.56 total

MW-A

MW-B

MW-C

MW-D

MW-E

MW-F

MW-G

MW-H

MW-I

MW-A	Results	2L Standard
METAL ANALYTE	ug/L	ug/L
Copper	11	1,000
Iron	15,000	300
Lead	ND	15
Zinc	68.9	1,000

MW-B	Results	2L Standard
METAL ANALYTE	ug/L	ug/L
Copper	ND	1,000
Iron	1,280	300
Lead	ND	15
Zinc	11.4	1,000

MW-C	Results	DUP-1	2L Standard
METAL ANALYTE	ug/L	ug/L	ug/L
Copper	ND	ND	1,000
Iron	176	166	300
Lead	ND	ND	15
Zinc	ND	ND	1,000

Title Tract Two

MW-D	Results	2L Standard
METAL ANALYTE	ug/L	ug/L
Copper	ND	1,000
Iron	406	300
Lead	ND	15
Zinc	17	1,000

HARRIS TEETER PROPERTY

Legend

Fence	
Railroad	
Building	
Curb line	
Guard rail	
Water line	W
Gas line	G
Underground elec.	UE
Underground tele	UT
Overhead electric..	ohe
Overhead telephone	OT
Sanitary sewer	SS
Storm drain	SD
Flood district limit.	FE
Floodway limit	FP
Power pole	PP
Light pole	LP
San. swr. manhole	SSMH
Storm dr. manhole	SDMH
Power manhole	EMH
Curb inlet	CI
Drop inlet	DI
Fire hydrant	FH
Post indicator valve	PIV
San. swr. cleanout.	co
Telephone pedestal.	TP
Telephone manhole...	TEL
Concrete monument..	CM
Water meter	WM
Electric transformer..	ET
Gas valve	GV
Cable TV ped	CATV
Common utility pole.	UP

Curbed island	
Painted island	
Spot elevation	000.00
Top of curb elev.	TC 000.00
Parking space count.	(10)
Groundwater Monitoring Well	
Not Detected at or above the laboratory method detection limit	ND
Micrograms per liter	(ug/L)

2L Standard = 15A NCAC 2L Groundwater Standards

1. GROUNDWATER SAMPLES COLLECTED ON 8/5/21.

ALL LOCATIONS ARE APPROXIMATE

Deed 7071/148

GRAPHIC SCALE

0 20 40 60 80

SCALE: 1 in. = 80 ft.

SHIELD ENGINEERING

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GROUNDWATER ANALYTICAL RESULTS METALS (8/5/21)

CONBRACO
CONBRACO INDUSTRIES, INC.
MATTHEWS, NORTH CAROLINA
SHIELD #1030214

DATE :	8/25/21	DRAWN BY :	KJC
SCALE :	AS SHOWN	FIGURE :	4

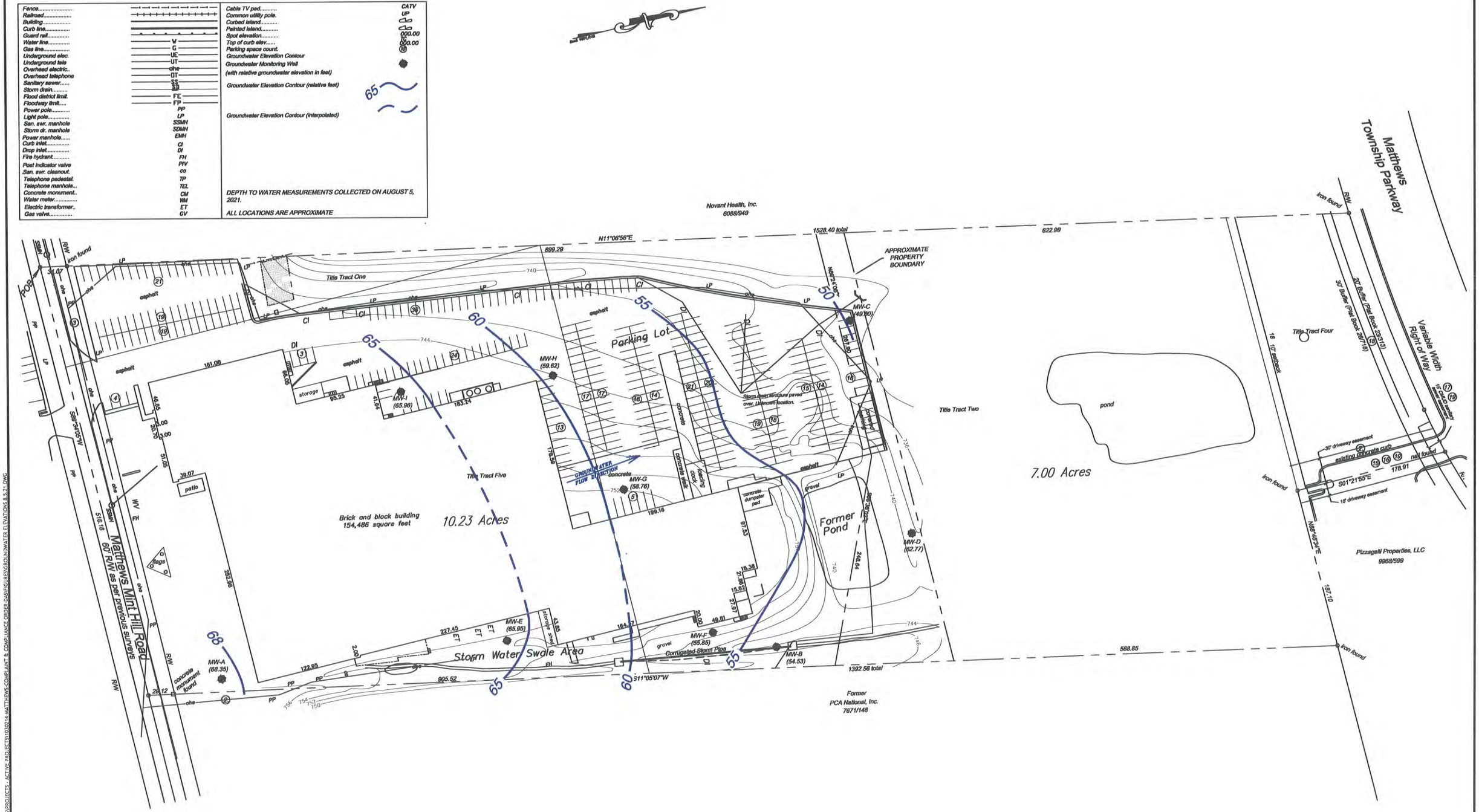
C:\Users\jgamertsfelder\Shield Engineering\Projects - Active Projects\1030214-04 Matthews Closure Plan Execution\Assessment Report\Drawings\FIG 1 - GW Results & Metals.dwg

Legend

Fence	
Railroad	
Building	
Curb line	
Guard rail	
Water line	W
Gas line	G
Underground elec.	UE
Underground tele	UT
Overhead electric	ohe
Overhead telephone	OT
Sanitary sewer	SS
Storm drain	SD
Flood district limit	FE
Floodway limit	FP
Power pole	PP
Light pole	LP
San. swr. manhole	SSMH
Storm dr. manhole	SDMH
Power manhole	EMH
Curb inlet	CI
Drop inlet	DI
Fire hydrant	FH
Post indicator valve	PIV
San. swr. cleanout	co
Telephone pedestal	TP
Telephone manhole	TEL
Concrete monument	CM
Water meter	WM
Electric transformer	ET
Gas valve	GV
Cable TV ped.	CATV
Common utility pole	UP
Curbed island	
Painted island	
Spot elevation	000.00
Top of curb elev.	000.00
Parking space count	
Groundwater Elevation Contour	
Groundwater Monitoring Well (with relative groundwater elevation in feet)	
Groundwater Elevation Contour (relative feet)	65
Groundwater Elevation Contour (interpolated)	

DEPTH TO WATER MEASUREMENTS COLLECTED ON AUGUST 5, 2021.

ALL LOCATIONS ARE APPROXIMATE



GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

REVISIONS		
REV.	DATE	COMMENTS

SHIELD ENGINEERING
4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
Phone: 704-394-6913
Fax: 704-394-6968
www.shieldengineering.com

PROJECT#:	1030214
DATE:	08/30/21
PROJECT MGR:	WB
CHECKED BY:	DAS
DRAWN BY:	KJC
SCALE:	1" = 50'

CONBRACO
CONBRACO INDUSTRIES, INC
MATTHEWS, NORTH CAROLINA

GROUNDWATER ELEVATION AND CONTOUR MAP

FIGURE 5

C:\USERS\JSAMERTSFELDER\SHIELD ENGINEERING\PROJECTS - ACTIVE PROJECTS\1030214-MATTHEWS-COMPLAINT & COMPLIANCE ORDER-DASF\FIGURES\GROUNDWATER ELEVATIONS & 5.31.DWG

TABLES

Table 1- Summary of Monitoring Well Construction and Groundwater Elevation Data Conbraco 701 Matthews-Mint Hill Road Matthews, Mecklenburg County, North Carolina Project ID: 1030214-04											
Well ID	Date Installed	Well Casing Diameter (in.)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	As Installed Depth of Well (Ft. BGS)	Top of Casing Elevation*	Date Water Level Measured	Depth of Well (ft. BGS)	Depth to Water from Top of Casing (ft.)	Free Product Thickness (ft.)	Groundwater Elevation
MW-A	12/23/2020	2	0-28	28-43	43	100.00	1/19/2021	45.10	28.4	None	71.60
							4/20/2021		25.51		74.49
MW-B	12/23/2020	2	0-28	28-43	43	91.94	1/19/2021	43.20	37.10	None	54.84
							4/20/2021		35.14		56.80
MW-C	12/22/2020	2	0-22	22-37	37	80.91	1/19/2021	37.65	28.92	None	51.99
							4/20/2021		26.27		54.54
MW-D	12/22/2020	2	0-34	34-49	49	89.99	1/19/2021	49.00	36.32	None	53.67
							4/20/2021		34.05		55.94
MW-E	8/2/2021	2	0-25	25-35	35	99.54	8/5/2021	39.94	33.59	None	65.95
MW-F	8/2/2021	2	0-30	30-40	40	93.94	8/5/2021	42.40	38.09	None	55.85
MW-G	8/2/2021	2	0-35	35-45	45	95.21	8/5/2021	45.85	36.45	None	58.76
MW-H	8/2/2021	2	0-29	29-39	39	91.04	8/5/2021	38.80	31.42	None	59.62
MW-I	8/2/2021	2	0-25	25-35	35	95.03	8/5/2021	34.94	29.07	None	65.96

Notes:
ft. BGS = feet below ground surface
in. = inches
ft. = feet
* = Relative elevation with MW-**A** arbitrarily set to 100.00 ft.

Table 2 - Summary of Analytical Results - Groundwater
701 Matthews-Mint Hill Road
Matthews, Mecklenburg County, North Carolina
Project ID: 1030214-04

Analytical Method --->			EPA Method 8260D						EPA Method 6020B				YSI Pro Plus					Hanna
Analyte/Field Parameter --->			Chloroform	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	All other VOCs	Copper	Iron	Lead	Zinc	pH	Specific Conductivity	Temperature	ORP	DO	Turbidity
Sample ID	**Media**	**Date Collected (m/dd/yyyy)**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	s.u.	µs/cm	°C	mV	mg/L	NTU
MW-A	Groundwater	1/19/2021	ND	ND	ND	ND	ND	ND	3.2	**4720**	0.17	18.9	**6.14**	91.5	19.3	170.3	5.06	38.20
		4/20/2021	ND	ND	ND	ND	ND	ND	ND	**1420**	ND	ND	**6.11**	70.8	20.3	18.3	4.46	9.70
		8/5/2021	ND	ND	ND	ND	ND	ND	11.0	**15000**	ND	68.9	**6.21**	52.6	22.3	185.6	4.06	12.10
MW-B	Groundwater	1/19/2021	ND	ND	ND	ND	**59.4**	ND	5.6	**1240**	0.4	17.6	**5.16**	44.1	19.5	210.2	4.63	8.49
		4/20/2021	ND	ND	ND	1.1	**84.4**	ND	11.2	**2500**	1.2	32.9	**5.13**	43.1	20.5	-50.8	1.40	9.40
		8/5/2021	ND	ND	ND	1.1	**84.4**	ND	ND	**1280**	ND	11.4	**6.35**	37.9	23.9	111.8	3.61	4.23
Dup-1 (MW-B)	Groundwater	1/19/2021	ND	ND	ND	ND	**62.9**	ND	4.8	**875**	0.29	15.2	**5.16**	44.1	19.5	210.2	4.63	8.49
MW-C	Groundwater	1/19/2021	ND	**175**	1.1	ND	**53.0**	ND	ND	173	ND	ND	**5.82**	147.9	18.6	191.6	5.72	3.20
		4/20/2021	ND	**165**	1.4	ND	**50.7**	ND	ND	205	ND	ND	**5.82**	141.4	20.6	19.6	3.53	5.80
		8/5/2021	3.0	**189**	2.1	ND	**61.6**	ND	ND	176	ND	ND	6.52	149.2	22.6	136.2	2.92	4.82
Dup-1 (MW-C)	Groundwater	4/20/2021	ND	**166**	1.4	ND	**48.7**	ND	ND	231	ND	ND	**5.82**	141.4	20.6	19.6	3.53	5.80
Dup-1 (MW-C)	Groundwater	8/5/2021	3.0	**187**	ND	ND	**60.8**	ND	ND	166	ND	ND	6.52	149.2	22.6	136.2	2.92	4.82
MW-D	Groundwater	1/19/2021	ND	ND	ND	ND	ND	ND	0.92	297	0.15	9.9	**5.42**	58.0	16.2	219.7	6.60	9.80
		4/20/2021	ND	ND	ND	ND	ND	ND	ND	282	ND	13.6	**5.33**	61.5	19.3	42.0	6.05	7.30
		8/5/2021	ND	ND	ND	ND	ND	ND	ND	**406**	ND	17.0	**5.54**	37.7	22.1	234.2	4.61	9.89
MW-E	Groundwater	8/5/2021	ND	ND	ND	ND	**183**	ND	NS	NS	NS	NS	**4.47**	67.4	23.4	73.2	5.29	8.37
MW-F	Groundwater	8/5/2021	ND	ND	ND	**263**	**47900**	ND	NS	NS	NS	NS	**5.22**	31.9	25.3	246.5	4.89	42.20
MW-G	Groundwater	8/5/2021	ND	**4960**	ND	**252**	**23300**	ND	NS	NS	NS	NS	**4.03**	33.9	23.1	92.2	6.34	5.05
MW-H	Groundwater	8/5/2021	ND	**701**	ND	ND	**1270**	ND	NS	NS	NS	NS	**4.59**	81.5	24.4	108.5	4.80	5.12
MW-I	Groundwater	8/5/2021	26.3	**120**	ND	ND	**903**	ND	NS	NS	NS	NS	**4.17**	38.9	24.6	134.1	3.75	6.66

Table 2 - Summary of Analytical Results - Groundwater
701 Matthews-Mint Hill Road
Matthews, Mecklenburg County, North Carolina
Project ID: 1030214-04

Analytical Method --->			EPA Method 8260D						EPA Method 6020B				YSI Pro Plus					Hanna
Analyte/Field Parameter --->			Chloroform	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	All other VOCs	Copper	Iron	Lead	Zinc	pH	Specific Conductivity	Temperature	ORP	DO	Turbidity
Sample ID	**Media**	**Date Collected (m/dd/yyyy)**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	s.u.	µs/cm	°C	mV	mg/L	NTU
Rinsate Blank	Water	1/19/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Trip Blank	Water	1/19/2021	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Rinsate Blank	Water	4/20/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Trip Blank	Water	4/20/2021	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Rinsate Blank	Water	8/5/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS
Trip Blank	Water	8/5/2021	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NC 2L Standards (µg/L)			**70**	**70**	**100**	**0.7**	**3**	**Varies**	**1000**	**300**	**15**	**1000**	**6.5 - 8.5**	**NE**	**NE**	**NE**	**NE**	**NE**

Notes:
VOCs = Volatile Organic Compounds
All concentrations reported in micrograms per liter (µg/L), except field parameters measured with the YSI Pro Plus meter and Hanna meter
ND = Not Detected at or above laboratory reporting limits
NE = Not Established
NS= Not Sampled
s.u. = Standard Units
ORP = Oxidation Reduction Potential
DO = Dissolved Oxygen
µs/cm = microsiemens per centimeter
mV = millivolts
mg/L = milligrams per liter
NTU = Nephelometric Turbidity Units
Bolded values exceed the NC 2L Standards
Underlined values exceed the NC Gross Contaminant Levels (GCLs)

APPENDIX A

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-A
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/21/20
Boring Location: Upgradient | Date Finished: 12/22/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							1.5 inches of Asphalt (0.1)							
							Red Brown Tan Clayey SILT (ML)							
	5	1	24	2 1 2 3	5	7								Monitoring Well Construction: Flush Manhole Lock, .5'-26' Grout, .3'-28' 2" Dia. PVC Riser, 26'-28' Bentonite Seal, 28'-45' #1 sand, 28'-43' 2" Dia. PVC .0100 slot screen, 43' PVC plug
	10	2	24	3 5 5 5	10	14	Red Brown Clayey SILT (ML) mottled with Tan weathered material, black manganese veins (10.0)							
	15	3	24	3 2 2 4	6	8								
	20	4	24	4 4 9 10	19	26	Light Brown Tan fine SILT (ML) with Black (charred lens) Sand (20.0)							
	25	5	24	4 5 7 10	17	24	Light Brown Tan Clayey SILT (ML) (25.0) Moist							

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.11802
Longitude: -80.7104

GROUNDWATER DATA:

During Drilling: 45 Feet
At Completion: 45 Feet
Caved: N/A Feet
After 24 Hours: 28.7 Feet

SHIELD ENGINEERING
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Charlotte, NC 28208
Telephone: 704-394-6913
Toll Free: 800-395-5220
Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-A
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/21/20
Boring Location: Upgradient | Date Finished: 12/22/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30													
		6	24	5 7 9 11	20	28								
	35													
		7	24	5 7 10 11	21	29								
	40													
		8	24	4 8 11 13	24	33								
							Wet							
	45						45.0							
		9	24	9 28 28 10	38	53	Rocks							
							47.0							
							Boring terminated at 47 feet.							
	50													
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.11802
Longitude: -80.7104

GROUNDWATER DATA:

During Drilling: 45 Feet
At Completion: 45 Feet
Caved: N/A Feet
After 24 Hours: 28.7 Feet

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-B
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/22/20
Boring Location: Stormwater Swale Area | Date Finished: 12/23/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							Gravel/Grass	0.2						
							Brown Silty fine to medium SAND (SM) with gravel							
							Light Brown Clayey SILT (ML)	2.0						
	5	1	24	2 2 2 2	4	6	Mottled Light Brown Red Weathered Clayey SILT (ML)	5.0						Monitoring Well Construction: Flush Manhole Lock, .5'-24' Grout, .3'-28' 2" Dia. PVC Riser, 24'-26' Bentonite Seal, 26'-45' #1 sand, 28'-43' 2" Dia. PVC .0100 slot screen, 43' PVC plug
							Black and white mineral veins start appearing							
	10	2	24	3 3 5 4	9	12								
	15	3	24	2 2 4 3	7	10	Mottled Red Brown Tan Weathered Clayey SILT (ML)	15.0						
							Slightly moist							
	20	4	24	2 2 3 3	6	8								
							Moist							
	25	5	24	3 3 4 4	8	11								

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.11979
Longitude: -80.7101

GROUNDWATER DATA:

During Drilling: 43 Feet
At Completion: 43 Feet
Caved: N/A Feet
After 24 Hours: 37.5 Feet

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Shield Project No.: 1030214-04

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-B
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/22/20
Boring Location: Stormwater Swale Area | Date Finished: 12/23/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30													
		6	24	3 3 5 5	10	14								
	35													
		7	24	3 3 3 4	7	10								
	40								▼					
		8	24	2 1 2 3	5	7	Very moist							
									▼					
		9	24	3 3 5 7	12	17								
	45						45.0 Boring terminated at 45 feet.							
	50													
	55													

GENERAL REMARKS:	GPS DATA:	GROUNDWATER DATA:
Drilling Equipment: Diedrich D-50 (SN 366) (hammer efficiency = 64%)	Datum: WGS84 Latitude: 35.11979 Longitude: -80.7101	▽ During Drilling: 43 Feet ▼ At Completion: 43 Feet Caved: N/A Feet ▼ After 24 Hours: 37.5 Feet

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Shield Project No.: 1030214-04

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-C
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/22/20
Boring Location: Parking Lot Area | Date Finished: 12/22/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							1.5 inches Asphalt (0.1)							
							Brown fine Sandy SILT (ML)							
							(3.0)							
							Red Brown Clayey SILT (ML)							
	5	1	24	3 2 3 3	6	8								Monitoring Well Construction: Flush Manhole Lock, .5'-18' Grout, .3'-22.5' 2" Dia. PVC Riser, 18.5'-20.5' Bentonite Seal, 20.5'-37.5' #1 sand, 22.5'-37.5' 2" Dia. PVC .0100 slot screen, 37.5' PVC plug
	10	2	24	2 2 2 3	5	7	(10.0) Mottled Light Brown, Red Brown Clayey SILT (ML), black and white mineral veins start appearing Damp							
	15	3	24	2 2 3 5	8	11	Moist							
	20	4	24	1 2 4 4	8	11	Very moist							
	25	5	24	2 2 4 3	7	10	Finer grains with depth							

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.12021
Longitude: -80.7113

GROUNDWATER DATA:

During Drilling: 29.5 Feet
At Completion: 29.5 Feet
Caved: N/A Feet
After 24 Hours: 31 Feet

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-C
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/22/20
Boring Location: Parking Lot Area | Date Finished: 12/22/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30													
		6	24	2 2 2 5	7	10								
	35	7	24	2 2 4 6	10	14	Light Brown Silty CLAY (CL)							
							34.0							
							Boring terminated at 37 feet.							
							37.5							
	40													
	45													
	50													
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.12021
Longitude: -80.7113

GROUNDWATER DATA:

During Drilling: 29.5 Feet
At Completion: 29.5 Feet
Caved: N/A Feet
After 24 Hours: 31 Feet

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Shield Project No.: 1030214-04

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-D
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/22/20
Boring Location: Former Pond Area | Date Finished: 12/22/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							Grass Organic Layer	0.1						
							Brown fine Sandy SILT (ML) with organics, some gravel rocks							
							Light Brown Clayey SILT (ML)	4.0						
	5	1	24	1 WOH 2 2	4	6	Mottled Light Brown Red Tan Clayey SILT (ML)	5.0						Monitoring Well Construction: Flush Manhole Lock, .5'-30' Grout, .3'-34' 2" Dia. PVC Riser, 30'-32' Bentonite Seal, 32'-34' #1 sand, 34'-49' 2" Dia. PVC .0100 slot screen, 49' PVC plug
							Very mottled Light Brown Red Tan fine Sandy SILT (ML), black and white mineral veins start appearing	9.0						
	10	2	24	3 3 4 5	9	12								
	15	3	24	3 2 3 3	6	8	Less mineral veins							
	20	4	24	4 4 5 4	9	12	Damp							
							Red Brown Clayey SILT (ML) with Black mineral veins	24.0						
	25	5	24	2 2 3 7	10	14								

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.12028
Longitude: -80.7105

GROUNDWATER DATA:

During Drilling: 45 Feet
At Completion: 47 Feet
Caved: N/A Feet
After 24 Hours: 36.3 Feet

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-D
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 12/22/20
Boring Location: Former Pond Area | Date Finished: 12/22/20

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30													
		6	24	3 5 6 7	13	18	Weathered quartz crystals present							
	35	7	24	3 4 5 7	12	17			▼					
							38.0 Very mottled Red Brown Weathered Clayey SILT (ML), very moist							
	40	8	24	4 4 7 8	15	21								
							Wet		▽					
	45	9	24	3 4 5 6	11	15			▼					
		10	24	WOH 3 3 3	6	8								
	50	11	24	3 3 6 8	14	19								
							52.0 Boring terminated at 52 feet.							
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)
(hammer efficiency = 64%)

GPS DATA:

Datum: WGS84
Latitude: 35.12028
Longitude: -80.7105

GROUNDWATER DATA:

▽ During Drilling: 45 Feet
▼ At Completion: 47 Feet
Caved: N/A Feet
▼ After 24 Hours: 36.3 Feet

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Matthews, North Carolina
Shield Project No.: 1030214-04

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-E
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/2/21
Boring Location: Parking Lot Area | Date Finished: 8/2/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							Gravel/Grass — 0.2							
							Red Brown Clayey SILT (ML) with some gravel - Residuum							
	5													Monitoring Well Construction: Flush Manhole Lock, .5'-21' Grout, .3'-25' 2" Dia. PVC Riser, 21'-23' Bentonite Seal, 23'-45' #1 sand, 25'-35' 2" Dia. PVC .0100 slot screen, 35' PVC plug
							7.5							
							Mottled Red Brown Tan weathered Clayey SILT (ML)							
	10													
							14.0							
	15						Mottled Red Brown Tan weathered Clayey SILT (ML) with lenses of Black Fine SAND & Light Tan Fine SAND							
							20.0							
	20						Mottled Red Brown Tan weathered very Clayey SILT (ML) Slightly Moist							
							25.0							
	25						Mottled Red Brown Silty CLAY, black and white veins start appearing							

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

During Drilling: 33.97 Feet
At Completion: _____ Feet
Caved: N/A Feet
After 24 Hours: _____ Feet

SHIELD ENGINEERING
4301 Taggart Creek Road
Charlotte, NC 28208
Telephone: 704-394-6913
Toll Free: 800-395-5220
Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-E
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/2/21
Boring Location: Parking Lot Area | Date Finished: 8/2/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30						Very moist							
	35								▽					
	40						Boring terminated at 40 feet. 40.0							
	45													
	50													
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

▽ During Drilling: 33.97 Feet
▼ At Completion: _____ Feet
Caved: N/A Feet
▼ After 24 Hours: _____ Feet

SHIELD ENGINEERING
4301 Taggart Creek Road
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Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-F
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/2/21
Boring Location: Parking Lot Area | Date Finished: 8/2/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	0						Gravel/Grass (0.2)							
							Red Brown Silty fine to medium SAND (SM) with gravel - Residuum							
	5						(6.0)							Monitoring Well Construction: Flush Manhole Lock, .5'-26' Grout, .3'-30' 2" Dia. PVC Riser, 26'-28' Bentonite Seal, 28'-45' #1 sand, 30'-40' 2" Dia. PVC .0100 slot screen, 40' PVC plug
							Red Brown Clayey SILT (ML)							
	10													
	15													
	20						(20.0)							
							Mottled Red Light Brown weathered Clayey SILT (ML)							
	25													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

During Drilling: 38.82 Feet
At Completion: _____ Feet
Caved: N/A Feet
After 24 Hours: _____ Feet

SHIELD ENGINEERING
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Telephone: 704-394-6913
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Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-F
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/2/21
Boring Location: Parking Lot Area | Date Finished: 8/2/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30													
	35						Very moist		▽					
	40													
	45						45.0 Boring terminated at 40 feet.							
	50													
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

▽ During Drilling: 38.82 Feet
▼ At Completion: _____ Feet
Caved: N/A Feet
▼ After 24 Hours: _____ Feet

SHIELD ENGINEERING
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Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-G
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/3/21
Boring Location: Parking Lot Area | Date Finished: 8/3/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							Concrete							
							Red Brown Clayey SILT (ML) - Fill	1.0						
							Black Fine Foundry Sand (SM) - Fill	2.0						
	5						Red Brown Clayey SILT (ML) - Residuum	5.0						Monitoring Well Construction: Flush Manhole Lock, .5'-32' Grout, .3'-36' 2" Dia. PVC Riser, 32'-34' Bentonite Seal, 34'-50' #1 sand, 36'-46' 2" Dia. PVC .0100 slot screen, 46' PVC plug
	10						Red Brown fine to medium Sand SILT (MLS) , black and white veins start appearing	10.0						
	15													
	20						Mottled Red Brown fine Sandy SILT with black and white veins	20.0						
	25													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

During Drilling: 37.09 Feet
At Completion: _____ Feet
Caved: N/A Feet
After 24 Hours: _____ Feet

SHIELD ENGINEERING
4301 Taggart Creek Road
Charlotte, NC 28208
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Toll Free: 800-395-5220
Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-G
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/3/21
Boring Location: Parking Lot Area | Date Finished: 8/3/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30						Mottled Red Brown weathered Clayey SILT with fewer black and white veins							
	30.0													
	35								▽					
	40						Very Moist							
	45													
	50						Boring terminated at 50 feet.							
	50.0													
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

▽ During Drilling: 37.09 Feet
▼ At Completion: _____ Feet
Caved: N/A Feet
▼ After 24 Hours: _____ Feet

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Shield Project No.: 1030214-04

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GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-H
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/3/21
Boring Location: Parking Lot Area | Date Finished: 8/3/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							Asphalt							
							Gravel and Brown fine to medium SAND - Fill	1.0						
							Black Fine Foundry Sand (SM) - Fill	3.0						Monitoring Well Construction: Flush Manhole Lock, .5'-25' Grout, .3'-29' 2" Dia. PVC Riser, 25'-27' Bentonite Seal, 27'-45' #1 sand, 29'-39' 2" Dia. PVC .0100 slot screen, 39' PVC plug
	5													
							Red Brown Clayey SILT (ML) - Residuum	8.0						
	10						Mottled Red Brown Tan Clayey SILT (ML) with black and white veins	10.0						
	15													
	20						Black Fine Sand (SM)	20.0						
							Mottled Red Brown Tan Clayey SILT (ML) with black and white veins	22.0						
	25													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

During Drilling: 32.02 Feet
At Completion: _____ Feet
Caved: N/A Feet
After 24 Hours: _____ Feet

SHIELD ENGINEERING
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Charlotte, NC 28208
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CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-H
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/3/21
Boring Location: Parking Lot Area | Date Finished: 8/3/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30						Same - Mottled Red Brown Tan Clayey SILT (ML) with black and white veins		▽					
	35													
	40													
	45						45.0 Boring terminated at 45 feet.							
	50													
	55													

GENERAL REMARKS:	GPS DATA:	GROUNDWATER DATA:
Drilling Equipment: Diedrich D-50 (SN 366)	Datum: WGS84 Latitude: _____ Longitude: _____	▽ During Drilling: 32.02 Feet ▼ At Completion: _____ Feet Caved: N/A Feet ▼ After 24 Hours: _____ Feet

SHIELD ENGINEERING
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CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-I
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 1 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/4/21
Boring Location: Parking Lot Area | Date Finished: 8/4/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
							Asphalt							
							Red Brown fine to medium Sandy SILT (MLS) - Residuum							
	1.0													
	4.0						Mottled Red Brown Clayey SILT (ML)							Monitoring Well Construction: Flush Manhole Lock, .5'-21' Grout, .3'-25' 2" Dia. PVC Riser, 21'-23' Bentonite Seal, 23'-35' #1 sand, 25'-35' 2" Dia. PVC .0100 slot screen, 35' PVC plug
	8.0						Mottled Red Brown Clayey SILT (ML) with black and white veins							
	17.5						Mottled Red Brown Clayey SILT (ML) with black and white veins							

5, 10, 15, 20, 25

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

During Drilling: 29.72 Feet
At Completion: _____ Feet
Caved: N/A Feet
After 24 Hours: _____ Feet

SHIELD ENGINEERING
4301 Taggart Creek Road
Charlotte, NC 28208
Telephone: 704-394-6913
Toll Free: 800-395-5220
Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

GEOTECHNICAL BORING LOG

Report Date: June 21, 2021 | Boring No.: MW-I
Boring Method: Hollow Stem Auger | Hammer Type: Automatic Trip Hammer | Sheet: 2 of: 2
Logged By: Kevin Stachura | Driller: Geologic Exploration | Date Started: 8/4/21
Boring Location: Parking Lot Area | Date Finished: 8/4/21

Surface Elevation: +/- N/A

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	SPT blows per 6 in.	SPT blows per foot	SPT blows per foot (Corr. N_{60})*	DESCRIPTION OF MATERIALS (Classification)	Stratum	Groundwater	MC (%)	LL	PI	FINES (%)	Comments:
	30						Red Brown fine to medium Sandy SILT (MLS) very moist		▽					
							29.0							
							Red Brown medium to large Sandy SILT (MLS) with black and white veins very wet							
							32.0							
	35						Boring terminated at 35 feet.							
							35.0							
	40													
	45													
	50													
	55													

GENERAL REMARKS:

Drilling Equipment: Diedrich D-50 (SN 366)

GPS DATA:

Datum: WGS84
Latitude: _____
Longitude: _____

GROUNDWATER DATA:

▽ During Drilling: 29.72 Feet
▼ At Completion: _____ Feet
Caved: N/A Feet
▼ After 24 Hours: _____ Feet

SHIELD ENGINEERING
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Charlotte, NC 28208
Telephone: 704-394-6913
Toll Free: 800-395-5220
Fax: 704-394-6968

Matthews Facility
CONBRACO
Matthews, North Carolina
Shield Project No.: 1030214-04

* N values of 50/x.x" are not standardized to N_{60}

APPENDIX B

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

JACOB MESSICK
Well Contractor Name

A - 4252
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION, INC
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 12/23/20 **Well ID#** MW-A

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 43.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	28.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
28.0 ft.	43.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	23.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
26.0 ft.	43.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	5.0 ft.	BROWN/TAN SILTY CLAY
5.0 ft.	20.0 ft.	TAN SILT
20.0 ft.	43.0 ft.	TAN SANDY SILT
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 23.0 - 26.0 FEET

22. Certification:

Josh Messick
Signature of Certified Well Contractor

12/29/2020
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

JACOB MESSICK
Well Contractor Name

A - 4252
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION, INC
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 12/23/20 **Well ID#** MW-B

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 43.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	28.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
28.0 ft.	43.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	23.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
26.0 ft.	43.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	5.0 ft.	BROWN/TAN SILTY CLAY
5.0 ft.	20.0 ft.	TAN SILT
20.0 ft.	43.0 ft.	TAN SANDY SILT
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 23.0 - 26.0 FEET

22. Certification:

Jacob Messick
Signature of Certified Well Contractor

12/29/2020
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary.

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

JACOB MESSICK
Well Contractor Name

A - 4252
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION, INC
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 12/22/20 **Well ID#** MW-C

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 37.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	22.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
22.0 ft.	37.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	17.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
20.0 ft.	37.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	5.0 ft.	BROWN/TAN SILTY CLAY
5.0 ft.	20.0 ft.	TAN SILT
20.0 ft.	37.0 ft.	TAN SANDY SILT
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 17.0 - 20.0 FEET

22. Certification:

Jacob Messick
Signature of Certified Well Contractor

12/29/2020
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box) You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

JACOB MESSICK
Well Contractor Name

A - 4252
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION, INC
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 12/22/20 **Well ID#** MW-D

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 49.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	34.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
34.0 ft.	49.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	28.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
32.0 ft.	49.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	5.0 ft.	BROWN/TAN SILTY CLAY
5.0 ft.	20.0 ft.	TAN SILT
20.0 ft.	49.0 ft.	TAN SANDY SILT
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 28.0 - 32.0 FEET

22. Certification:

Jacob Messick
Signature of Certified Well Contractor

12/29/2020
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

1. Well Contractor Information:

JEREMY RINGLER

Well Contractor Name

A - 4422

NC Well Contractor Certification Number

GEOLOGIC EXPLORATION

Company Name

2. Well Construction Permit #: _____

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:

☒Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 08/02/21 **Well ID#** MW-E

5a. Well Location:

CONBRACO

Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105

Physical Address, City, and Zip

MECKLENBURG

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 35.0 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 28.0 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use Only:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	25.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
25.0 ft.	35.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	20.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
23.0 ft.	35.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	35.0 ft.	SILTY CLAY
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 20.0 - 23.0 FEET

22. Certification:

Signature of Certified Well Contractor

08/17/21

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

JEREMY RINGLER
Well Contractor Name

A - 4422
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 08/02/21 **Well ID#** MW-F

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 40.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 35.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	30.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
30.0 ft.	40.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	25.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
28.0 ft.	40.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	40.0 ft.	SILTY CLAY
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 25.0 - 28.0 FEET

22. Certification:


Signature of Certified Well Contractor

08/17/21
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

1. Well Contractor Information:

JEREMY RINGLER
Well Contractor Name

A - 4422
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☑Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 08/03/21 **Well ID#** MW-G

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 45.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 37.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use Only:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	35.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
35.0 ft.	45.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	30.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
33.0 ft.	45.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	45.0 ft.	SILTY CLAY
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 30.0 - 33.0 FEET

22. Certification:

_____ 08/17/21
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box) You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

For Internal Use Only:

1. Well Contractor Information:

JEREMY RINGLER
Well Contractor Name

A - 4422
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 08/03/21 **Well ID#** MW-H

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 39.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 30.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	29.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
29.0 ft.	39.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	24.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
27.0 ft.	39.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	39.0 ft.	SILTY CLAY
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 24.0 - 27.0 FEET

22. Certification:


Signature of Certified Well Contractor

08/17/21
Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. For All Wells: Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. For Injection Wells: Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. For Water Supply and Open-Loop Geothermal Return Wells: Copy to the county environmental health department of the county where installed

24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

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For Internal Use Only:

1. Well Contractor Information:

JEREMY RINGLER
Well Contractor Name

A - 4422
NC Well Contractor Certification Number

GEOLOGIC EXPLORATION
Company Name

2. Well Construction Permit #: _____
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation ☐Wells > 100,000 GPD

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 08/04/21 **Well ID#** MW-I

5a. Well Location:

CONBRACO
Facility/Owner Name

Facility ID# (if applicable)

701 MATTHEWS-MINT HILL ROAD MATTHEWS 28105
Physical Address, City, and Zip

MECKLENBURG
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35° 07' 08.00" N 80° 42' 39.30" W

6. Is(are) the well(s): ☒**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. **For Geoprobe/DPT or Closed-Loop Geothermal Wells** having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: _____

9. Total well depth below land surface: 35.0 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 27.0 **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: 8.0 **(in.)**

12. Well construction method: AUGER
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	25.0 ft.	2.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
25.0 ft.	35.0 ft.	2.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	20.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
23.0 ft.	35.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	35.0 ft.	SILTY CLAY
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 20.0 - 23.0 FEET

22. Certification:

[signature] 08/17/21
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary

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24d. For Water Wells producing over 100,000 GPD: Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

APPENDIX C

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 24, 2021

Wes Barfield
Shield Engineering
4301 Taggart Creek Rd
Charlotte, NC 28203

RE: Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Dear Wes Barfield:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

Revision 1: This report replaces the document issued on 8/20/21. It is revised, per client request, to report only Cu, Fe, Pb and Zn per the COC and no other changes have been made.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ryan Brumfield
ryan.brumfield@pacelabs.com
(770)734-4200
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92553998001	MW-A	Water	08/05/21 10:00	08/06/21 12:00
92553998002	MW-B	Water	08/05/21 16:02	08/06/21 12:00
92553998003	MW-C	Water	08/05/21 14:45	08/06/21 12:00
92553998004	MW-D	Water	08/05/21 11:20	08/06/21 12:00
92553998005	DUP-1	Water	08/05/21 00:00	08/06/21 12:00
92553998006	Rinsate Blank	Water	08/05/21 15:00	08/06/21 12:00
92553998007	MW-E	Water	08/05/21 15:20	08/06/21 12:00
92553998008	MW-F	Water	08/05/21 13:19	08/06/21 12:00
92553998009	MW-G	Water	08/05/21 13:55	08/06/21 12:00
92553998010	MW-H	Water	08/05/21 12:15	08/06/21 12:00
92553998011	MW-I	Water	08/05/21 10:30	08/06/21 12:00
92553998012	Trip Blank	Water	08/05/21 00:00	08/06/21 12:00

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92553998001	MW-A	EPA 6020B	CW1	4	PASI-GA
		EPA 8260D	NSCQ	63	PASI-C
92553998002	MW-B	EPA 6020B	CW1	4	PASI-GA
		EPA 8260D	NSCQ	63	PASI-C
92553998003	MW-C	EPA 6020B	CW1	4	PASI-GA
		EPA 8260D	PM1	63	PASI-C
92553998004	MW-D	EPA 6020B	CW1	4	PASI-GA
		EPA 8260D	NSCQ	63	PASI-C
92553998005	DUP-1	EPA 6020B	CW1	4	PASI-GA
		EPA 8260D	PM1	63	PASI-C
92553998006	Rinsate Blank	EPA 6020B	CW1	4	PASI-GA
		EPA 8260D	NSCQ	63	PASI-C
92553998007	MW-E	EPA 8260D	PM1	63	PASI-C
92553998008	MW-F	EPA 8260D	PM1	63	PASI-C
92553998009	MW-G	EPA 8260D	SAS	63	PASI-C
92553998010	MW-H	EPA 8260D	PM1	63	PASI-C
92553998011	MW-I	EPA 8260D	PM1	63	PASI-C
92553998012	Trip Blank	EPA 8260D	NSCQ	63	PASI-C

PASI-C = Pace Analytical Services - Charlotte
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-A **Lab ID: 92553998001** Collected: 08/05/21 10:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Copper	**11.0**	ug/L	5.0	0.50	1	08/19/21 10:07	08/19/21 16:44	7440-50-8	
Iron	**15000**	ug/L	200	83.6	5	08/19/21 10:07	08/20/21 08:55	7439-89-6	
Lead	ND	ug/L	1.0	0.89	1	08/19/21 10:07	08/19/21 16:44	7439-92-1	
Zinc	**68.9**	ug/L	10.0	7.0	1	08/19/21 10:07	08/19/21 16:44	7440-66-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		08/07/21 09:25	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		08/07/21 09:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/07/21 09:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/07/21 09:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/07/21 09:25	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/07/21 09:25	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/07/21 09:25	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/07/21 09:25	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/07/21 09:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/07/21 09:25	108-90-7	
Chloroethane	ND	ug/L	1.0	0.85	1		08/07/21 09:25	75-00-3	IK
Chloroform	ND	ug/L	1.0	0.43	1		08/07/21 09:25	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/07/21 09:25	74-87-3	v2
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 09:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 09:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/07/21 09:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/07/21 09:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/07/21 09:25	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/07/21 09:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 09:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 09:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/07/21 09:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/07/21 09:25	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/07/21 09:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 09:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/07/21 09:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 09:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/07/21 09:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/07/21 09:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/07/21 09:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/07/21 09:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/07/21 09:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 09:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 09:25	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/07/21 09:25	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/07/21 09:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/07/21 09:25	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		08/07/21 09:25	591-78-6	L1,M0

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-A **Lab ID: 92553998001** Collected: 08/05/21 10:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/07/21 09:25	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/07/21 09:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/07/21 09:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/07/21 09:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/07/21 09:25	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		08/07/21 09:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/07/21 09:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/07/21 09:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/07/21 09:25	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		08/07/21 09:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/07/21 09:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/07/21 09:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/07/21 09:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 09:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 09:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/07/21 09:25	75-69-4	v2
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/07/21 09:25	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/07/21 09:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/07/21 09:25	75-01-4	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/07/21 09:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/07/21 09:25	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/07/21 09:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		08/07/21 09:25	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		08/07/21 09:25	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/07/21 09:25	2037-26-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-B **Lab ID: 92553998002** Collected: 08/05/21 16:02 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Copper	ND	ug/L	5.0	0.50	1	08/19/21 10:07	08/19/21 16:50	7440-50-8	
Iron	**1280**	ug/L	40.0	16.7	1	08/19/21 10:07	08/19/21 16:50	7439-89-6	M1
Lead	ND	ug/L	1.0	0.89	1	08/19/21 10:07	08/19/21 16:50	7439-92-1	
Zinc	**11.4**	ug/L	10.0	7.0	1	08/19/21 10:07	08/19/21 16:50	7440-66-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		08/07/21 09:44	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		08/07/21 09:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/07/21 09:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/07/21 09:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/07/21 09:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/07/21 09:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/07/21 09:44	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/07/21 09:44	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/07/21 09:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/07/21 09:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/07/21 09:44	75-00-3	IK
Chloroform	ND	ug/L	1.0	0.43	1		08/07/21 09:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/07/21 09:44	74-87-3	v2
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 09:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 09:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/07/21 09:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/07/21 09:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/07/21 09:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/07/21 09:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 09:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 09:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/07/21 09:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/07/21 09:44	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/07/21 09:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 09:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/07/21 09:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 09:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/07/21 09:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/07/21 09:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/07/21 09:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/07/21 09:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/07/21 09:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 09:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 09:44	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/07/21 09:44	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/07/21 09:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/07/21 09:44	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		08/07/21 09:44	591-78-6	L1

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-8 **Lab ID: 92553998002** Collected: 08/05/21 16:02 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/07/21 09:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/07/21 09:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/07/21 09:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/07/21 09:44	1634-04-4	
Nephthalene	ND	ug/L	1.0	0.64	1		08/07/21 09:44	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		08/07/21 09:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/07/21 09:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/07/21 09:44	79-34-5	
Tetrachloroethene	1.1	ug/L	1.0	0.29	1		08/07/21 09:44	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		08/07/21 09:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/07/21 09:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/07/21 09:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/07/21 09:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 09:44	79-00-5	
Trichloroethene	84.4	ug/L	1.0	0.38	1		08/07/21 09:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/07/21 09:44	75-69-4	v2
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/07/21 09:44	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/07/21 09:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/07/21 09:44	75-01-4	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/07/21 09:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/07/21 09:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/07/21 09:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/07/21 09:44	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		08/07/21 09:44	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		08/07/21 09:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-C **Lab ID: 92553998003** Collected: 08/05/21 14:45 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Copper	ND	ug/L	5.0	0.50	1	08/19/21 10:07	08/19/21 17:54	7440-50-8	
Iron	**176**	ug/L	40.0	16.7	1	08/19/21 10:07	08/19/21 17:54	7439-89-6	
Lead	ND	ug/L	1.0	0.89	1	08/19/21 10:07	08/19/21 17:54	7439-92-1	
Zinc	ND	ug/L	10.0	7.0	1	08/19/21 10:07	08/19/21 17:54	7440-66-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	50.0	10.2	2		08/11/21 00:12	67-64-1	
Benzene	ND	ug/L	2.0	0.69	2		08/11/21 00:12	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		08/11/21 00:12	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		08/11/21 00:12	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		08/11/21 00:12	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		08/11/21 00:12	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		08/11/21 00:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		08/11/21 00:12	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		08/11/21 00:12	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		08/11/21 00:12	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		08/11/21 00:12	75-00-3	IK
Chloroform	**3.0**	ug/L	2.0	0.86	2		08/11/21 00:12	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		08/11/21 00:12	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		08/11/21 00:12	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		08/11/21 00:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		08/11/21 00:12	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		08/11/21 00:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		08/11/21 00:12	106-93-4	
Dibromomethane	ND	ug/L	2.0	0.79	2		08/11/21 00:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.88	2		08/11/21 00:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		08/11/21 00:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		08/11/21 00:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.89	2		08/11/21 00:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		08/11/21 00:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		08/11/21 00:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		08/11/21 00:12	75-35-4	
cis-1,2-Dichloroethene	**189**	ug/L	2.0	0.77	2		08/11/21 00:12	156-59-2	
trans-1,2-Dichloroethene	**2.1**	ug/L	2.0	0.79	2		08/11/21 00:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		08/11/21 00:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		08/11/21 00:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		08/11/21 00:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		08/11/21 00:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		08/11/21 00:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		08/11/21 00:12	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.82	2		08/11/21 00:12	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		08/11/21 00:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		08/11/21 00:12	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		08/11/21 00:12	591-78-6	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-C Lab ID: **92553998003** Collected: 08/05/21 14:45 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		08/11/21 00:12	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		08/11/21 00:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		08/11/21 00:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		08/11/21 00:12	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		08/11/21 00:12	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		08/11/21 00:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		08/11/21 00:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		08/11/21 00:12	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.58	2		08/11/21 00:12	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		08/11/21 00:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		08/11/21 00:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		08/11/21 00:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		08/11/21 00:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		08/11/21 00:12	79-00-5	
Trichloroethene	**61.6**	ug/L	2.0	0.77	2		08/11/21 00:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		08/11/21 00:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		08/11/21 00:12	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		08/11/21 00:12	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		08/11/21 00:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		08/11/21 00:12	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		08/11/21 00:12	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		08/11/21 00:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		2		08/11/21 00:12	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		2		08/11/21 00:12	17060-07-0	
Toluene-d8 (S)	100	%	70-130		2		08/11/21 00:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-D **Lab ID: 92553998004** Collected: 08/05/21 11:20 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Copper	ND	ug/L	5.0	0.50	1	08/19/21 10:07	08/19/21 16:00	7440-50-8	
Iron	**406**	ug/L	40.0	16.7	1	08/19/21 10:07	08/19/21 18:00	7439-89-6	
Lead	ND	ug/L	1.0	0.89	1	08/19/21 10:07	08/19/21 18:00	7439-92-1	
Zinc	**17.0**	ug/L	10.0	7.0	1	08/19/21 10:07	08/19/21 18:00	7440-66-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		08/07/21 10:20	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		08/07/21 10:20	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/07/21 10:20	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/07/21 10:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/07/21 10:20	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/07/21 10:20	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/07/21 10:20	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/07/21 10:20	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/07/21 10:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/07/21 10:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/07/21 10:20	75-00-3	IK
Chloroform	ND	ug/L	1.0	0.43	1		08/07/21 10:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/07/21 10:20	74-87-3	v2
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 10:20	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 10:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/07/21 10:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/07/21 10:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/07/21 10:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/07/21 10:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 10:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 10:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/07/21 10:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/07/21 10:20	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/07/21 10:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 10:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/07/21 10:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 10:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/07/21 10:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/07/21 10:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/07/21 10:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/07/21 10:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/07/21 10:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 10:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 10:20	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/07/21 10:20	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/07/21 10:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/07/21 10:20	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		08/07/21 10:20	591-78-6	L1

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-D **Lab ID: 92553998004** Collected: 08/05/21 11:20 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/07/21 10:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/07/21 10:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/07/21 10:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/07/21 10:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/07/21 10:20	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		08/07/21 10:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/07/21 10:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/07/21 10:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/07/21 10:20	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		08/07/21 10:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/07/21 10:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/07/21 10:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/07/21 10:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 10:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 10:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/07/21 10:20	75-69-4	v2
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/07/21 10:20	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/07/21 10:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/07/21 10:20	75-01-4	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/07/21 10:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/07/21 10:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/07/21 10:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		08/07/21 10:20	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		08/07/21 10:20	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/07/21 10:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: DUP-1 **Lab ID: 92553998005** Collected: 08/05/21 00:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Copper	ND	ug/L	5.0	0.50	1	08/19/21 10:07	08/19/21 18:12	7440-50-8	
Iron	**166**	ug/L	40.0	16.7	1	08/19/21 10:07	08/19/21 18:12	7439-89-6	
Lead	ND	ug/L	1.0	0.89	1	08/19/21 10:07	08/19/21 18:12	7439-92-1	
Zinc	ND	ug/L	10.0	7.0	1	08/19/21 10:07	08/19/21 18:12	7440-66-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	50.0	10.2	2		08/11/21 00:30	67-64-1	
Benzene	ND	ug/L	2.0	0.69	2		08/11/21 00:30	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		08/11/21 00:30	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		08/11/21 00:30	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		08/11/21 00:30	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		08/11/21 00:30	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		08/11/21 00:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		08/11/21 00:30	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		08/11/21 00:30	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		08/11/21 00:30	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		08/11/21 00:30	75-00-3	IK
Chloroform	**3.0**	ug/L	2.0	0.86	2		08/11/21 00:30	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		08/11/21 00:30	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		08/11/21 00:30	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		08/11/21 00:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		08/11/21 00:30	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		08/11/21 00:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		08/11/21 00:30	106-93-4	
Dibromomethane	ND	ug/L	2.0	0.79	2		08/11/21 00:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		08/11/21 00:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		08/11/21 00:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		08/11/21 00:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		08/11/21 00:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		08/11/21 00:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		08/11/21 00:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		08/11/21 00:30	75-35-4	
cis-1,2-Dichloroethene	**187**	ug/L	2.0	0.77	2		08/11/21 00:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		08/11/21 00:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		08/11/21 00:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		08/11/21 00:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		08/11/21 00:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		08/11/21 00:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		08/11/21 00:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		08/11/21 00:30	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		08/11/21 00:30	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		08/11/21 00:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		08/11/21 00:30	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		08/11/21 00:30	591-78-6	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: DUP-1 Lab ID: **92553998005** Collected: 08/05/21 00:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		08/11/21 00:30	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		08/11/21 00:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		08/11/21 00:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		08/11/21 00:30	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		08/11/21 00:30	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		08/11/21 00:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.82	2		08/11/21 00:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		08/11/21 00:30	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.58	2		08/11/21 00:30	127-16-4	
Toluene	ND	ug/L	2.0	0.97	2		08/11/21 00:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		08/11/21 00:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		08/11/21 00:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		08/11/21 00:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		08/11/21 00:30	79-00-5	
Trichloroethene	**60.8**	ug/L	2.0	0.77	2		08/11/21 00:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		08/11/21 00:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		08/11/21 00:30	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		08/11/21 00:30	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		08/11/21 00:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		08/11/21 00:30	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		08/11/21 00:30	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.66	2		08/11/21 00:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2		08/11/21 00:30	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		2		08/11/21 00:30	17060-07-0	
Toluene-d8 (S)	100	%	70-130		2		08/11/21 00:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: Rinsate Blank **Lab ID: 92553998006** Collected: 08/05/21 15:00 Received: 08/08/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Copper	ND	ug/L	5.0	0.50	1	08/19/21 10:07	08/19/21 18:18	7440-50-8	
Iron	ND	ug/L	40.0	16.7	1	08/19/21 10:07	08/19/21 18:18	7439-89-6	
Lead	ND	ug/L	1.0	0.69	1	08/19/21 10:07	08/19/21 18:18	7439-92-1	
Zinc	ND	ug/L	10.0	7.0	1	08/19/21 10:07	08/19/21 18:18	7440-66-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		08/07/21 08:31	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		08/07/21 08:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/07/21 08:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/07/21 08:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/07/21 08:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/07/21 08:31	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/07/21 08:31	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/07/21 08:31	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/07/21 08:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/07/21 08:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/07/21 08:31	75-00-3	IK
Chloroform	ND	ug/L	1.0	0.43	1		08/07/21 08:31	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/07/21 08:31	74-87-3	v2
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 08:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 08:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/07/21 08:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/07/21 08:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/07/21 08:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/07/21 08:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 08:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 08:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/07/21 08:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/07/21 08:31	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/07/21 08:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 08:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/07/21 08:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 08:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/07/21 08:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/07/21 08:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/07/21 08:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/07/21 08:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/07/21 08:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 08:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 08:31	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/07/21 08:31	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/07/21 08:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/07/21 08:31	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		08/07/21 08:31	591-78-6	L1

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: Rinsate Blank **Lab ID: 92553998006** Collected: 08/05/21 15:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/07/21 08:31	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/07/21 08:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/07/21 08:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/07/21 08:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/07/21 08:31	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		08/07/21 08:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/07/21 08:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/07/21 08:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/07/21 08:31	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		08/07/21 08:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/07/21 08:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/07/21 08:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/07/21 08:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 08:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 08:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/07/21 08:31	75-69-4	v2
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/07/21 08:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/07/21 08:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/07/21 08:31	75-01-4	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/07/21 08:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/07/21 08:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/07/21 08:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		08/07/21 08:31	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		08/07/21 08:31	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/07/21 08:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-E **Lab ID: 92553998007** Collected: 08/05/21 15:20 Received: 08/08/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	50.0	10.2	2		08/11/21 00:48	67-64-1	
Benzene	ND	ug/L	2.0	0.69	2		08/11/21 00:48	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		08/11/21 00:48	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		08/11/21 00:48	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.81	2		08/11/21 00:48	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		08/11/21 00:48	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		08/11/21 00:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		08/11/21 00:48	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		08/11/21 00:48	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		08/11/21 00:48	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		08/11/21 00:48	75-00-3	IK
Chloroform	ND	ug/L	2.0	0.86	2		08/11/21 00:48	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		08/11/21 00:48	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		08/11/21 00:48	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		08/11/21 00:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		08/11/21 00:48	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		08/11/21 00:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		08/11/21 00:48	106-93-4	
Dibromomethane	ND	ug/L	2.0	0.79	2		08/11/21 00:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		08/11/21 00:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		08/11/21 00:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		08/11/21 00:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		08/11/21 00:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		08/11/21 00:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		08/11/21 00:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		08/11/21 00:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	0.77	2		08/11/21 00:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		08/11/21 00:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		08/11/21 00:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		08/11/21 00:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		08/11/21 00:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		08/11/21 00:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		08/11/21 00:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		08/11/21 00:48	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		08/11/21 00:48	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		08/11/21 00:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		08/11/21 00:48	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		08/11/21 00:48	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		08/11/21 00:48	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		08/11/21 00:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		08/11/21 00:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		08/11/21 00:48	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		08/11/21 00:48	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		08/11/21 00:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		08/11/21 00:48	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-E **Lab ID: 92553998007** Collected: 08/05/21 15:20 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		08/11/21 00:48	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.58	2		08/11/21 00:48	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		08/11/21 00:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		08/11/21 00:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		08/11/21 00:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		08/11/21 00:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		08/11/21 00:48	79-00-5	
Trichloroethene	**183**	ug/L	2.0	0.77	2		08/11/21 00:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		08/11/21 00:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		08/11/21 00:48	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		08/11/21 00:48	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		08/11/21 00:48	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		08/11/21 00:48	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		08/11/21 00:48	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		08/11/21 00:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2		08/11/21 00:48	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		2		08/11/21 00:48	17060-07-0	
Toluene-d8 (S)	99	%	70-130		2		08/11/21 00:48	2037-28-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-F **Lab ID: 92553998008** Collected: 08/05/21 13:19 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	6250	1280	250		08/11/21 04:25	67-64-1	
Benzene	ND	ug/L	250	86.2	250		08/11/21 04:25	71-43-2	
Bromobenzene	ND	ug/L	250	72.5	250		08/11/21 04:25	108-86-1	
Bromochloromethane	ND	ug/L	250	117	250		08/11/21 04:25	74-97-5	
Bromodichloromethane	ND	ug/L	250	76.8	250		08/11/21 04:25	75-27-4	
Bromoform	ND	ug/L	250	85.2	250		08/11/21 04:25	75-25-2	
Bromomethane	ND	ug/L	500	415	250		08/11/21 04:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	990	250		08/11/21 04:25	78-93-3	
Carbon tetrachloride	ND	ug/L	250	83.2	250		08/11/21 04:25	56-23-5	
Chlorobenzene	ND	ug/L	250	71.0	250		08/11/21 04:25	108-90-7	
Chloroethane	ND	ug/L	250	162	250		08/11/21 04:25	75-00-3	IK
Chloroform	ND	ug/L	250	108	250		08/11/21 04:25	67-66-3	
Chloromethane	ND	ug/L	250	135	250		08/11/21 04:25	74-87-3	
2-Chlorotoluene	ND	ug/L	250	80.2	250		08/11/21 04:25	95-49-8	
4-Chlorotoluene	ND	ug/L	250	81.0	250		08/11/21 04:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	85.0	250		08/11/21 04:25	96-12-8	
Dibromochloromethane	ND	ug/L	250	89.8	250		08/11/21 04:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	88.0	250		08/11/21 04:25	106-93-4	
Dibromomethane	ND	ug/L	250	98.5	250		08/11/21 04:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	250	84.8	250		08/11/21 04:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	85.0	250		08/11/21 04:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	83.2	250		08/11/21 04:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	86.5	250		08/11/21 04:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	91.8	250		08/11/21 04:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		08/11/21 04:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	87.0	250		08/11/21 04:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	250	98.0	250		08/11/21 04:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	99.0	250		08/11/21 04:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	88.8	250		08/11/21 04:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	250	71.0	250		08/11/21 04:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	250	97.0	250		08/11/21 04:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	250	107	250		08/11/21 04:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	250	91.2	250		08/11/21 04:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	90.8	250		08/11/21 04:25	10061-02-6	
Diisopropyl ether	ND	ug/L	250	77.0	250		08/11/21 04:25	108-20-3	
Ethylbenzene	ND	ug/L	250	76.0	250		08/11/21 04:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	500	382	250		08/11/21 04:25	87-68-3	
2-Hexanone	ND	ug/L	1250	119	250		08/11/21 04:25	591-78-6	
p-Isopropyltoluene	ND	ug/L	250	104	250		08/11/21 04:25	99-87-6	
Methylene Chloride	ND	ug/L	1250	488	250		08/11/21 04:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	676	250		08/11/21 04:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	250	106	250		08/11/21 04:25	1634-04-4	
Naphthalene	ND	ug/L	250	161	250		08/11/21 04:25	91-20-3	
Styrene	ND	ug/L	250	73.0	250		08/11/21 04:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	250	77.8	250		08/11/21 04:25	630-20-6	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-F **Lab ID: 92553998008** Collected: 08/05/21 13:19 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	250	56.2	250		08/11/21 04:25	79-34-5	
Tetrachloroethene	**263**	ug/L	250	73.0	250		08/11/21 04:25	127-18-4	
Toluene	ND	ug/L	250	121	250		08/11/21 04:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	250	202	250		08/11/21 04:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	250	160	250		08/11/21 04:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	83.0	250		08/11/21 04:25	71-55-8	
1,1,2-Trichloroethane	ND	ug/L	250	81.2	250		08/11/21 04:25	79-00-5	
Trichloroethene	**47900**	ug/L	250	95.8	250		08/11/21 04:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	74.5	250		08/11/21 04:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	250	65.2	250		08/11/21 04:25	96-18-4	
Vinyl acetate	ND	ug/L	500	328	250		08/11/21 04:25	108-05-4	
Vinyl chloride	ND	ug/L	250	96.5	250		08/11/21 04:25	75-01-4	
Xylene (Total)	ND	ug/L	250	84.5	250		08/11/21 04:25	1330-20-7	
m&p-Xylene	ND	ug/L	500	177	250		08/11/21 04:25	179601-23-1	
o-Xylene	ND	ug/L	250	84.5	250		08/11/21 04:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		250		08/11/21 04:25	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		250		08/11/21 04:25	17060-07-0	
Toluene-d8 (S)	100	%	70-130		250		08/11/21 04:25	2037-28-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-G **Lab ID: 92553998009** Collected: 08/05/21 13:55 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	5000	1020	200		08/12/21 12:56	67-64-1	
Benzene	ND	ug/L	200	89.0	200		08/12/21 12:56	71-43-2	
Bromobenzene	ND	ug/L	200	58.0	200		08/12/21 12:56	108-86-1	
Bromochloromethane	ND	ug/L	200	93.6	200		08/12/21 12:56	74-97-5	
Bromodichloromethane	ND	ug/L	200	61.4	200		08/12/21 12:56	75-27-4	
Bromoform	ND	ug/L	200	68.2	200		08/12/21 12:56	75-25-2	
Bromomethane	ND	ug/L	400	332	200		08/12/21 12:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	1000	792	200		08/12/21 12:56	78-93-3	
Carbon tetrachloride	ND	ug/L	200	66.6	200		08/12/21 12:56	56-23-5	
Chlorobenzene	ND	ug/L	200	56.6	200		08/12/21 12:56	108-90-7	
Chloroethane	ND	ug/L	200	130	200		08/12/21 12:56	75-00-3	
Chloroform	ND	ug/L	200	86.0	200		08/12/21 12:56	67-66-3	
Chloromethane	ND	ug/L	200	108	200		08/12/21 12:56	74-87-3	
2-Chlorotoluene	ND	ug/L	200	64.2	200		08/12/21 12:56	95-49-8	
4-Chlorotoluene	ND	ug/L	200	64.8	200		08/12/21 12:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	68.0	200		08/12/21 12:56	96-12-8	
Dibromochloromethane	ND	ug/L	200	71.8	200		08/12/21 12:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	200	54.4	200		08/12/21 12:56	106-93-4	
Dibromomethane	ND	ug/L	200	78.8	200		08/12/21 12:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	200	67.8	200		08/12/21 12:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	200	68.0	200		08/12/21 12:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	200	66.6	200		08/12/21 12:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	200	69.2	200		08/12/21 12:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	200	73.4	200		08/12/21 12:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	200	84.4	200		08/12/21 12:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	200	69.6	200		08/12/21 12:56	75-35-4	
cis-1,2-Dichloroethene	**4960**	ug/L	200	76.8	200		08/12/21 12:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	79.2	200		08/12/21 12:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	200	71.0	200		08/12/21 12:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	200	56.8	200		08/12/21 12:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	77.6	200		08/12/21 12:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	200	85.4	200		08/12/21 12:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	73.0	200		08/12/21 12:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	72.6	200		08/12/21 12:56	10061-02-6	
Diisopropyl ether	ND	ug/L	200	61.6	200		08/12/21 12:56	108-20-3	
Ethylbenzene	ND	ug/L	200	60.8	200		08/12/21 12:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	400	306	200		08/12/21 12:56	87-68-3	
2-Hexanone	ND	ug/L	1000	95.2	200		08/12/21 12:56	591-78-6	
p-Isopropyltoluene	ND	ug/L	200	82.8	200		08/12/21 12:56	99-87-6	
Methylene Chloride	ND	ug/L	1000	390	200		08/12/21 12:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1000	542	200		08/12/21 12:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	84.4	200		08/12/21 12:56	1634-04-4	
Naphthalene	ND	ug/L	200	129	200		08/12/21 12:56	91-20-3	
Styrene	ND	ug/L	200	58.4	200		08/12/21 12:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	200	62.2	200		08/12/21 12:56	630-20-6	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-G **Lab ID: 92553998009** Collected: 08/05/21 13:55 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	200	45.0	200		08/12/21 12:56	79-34-5	
Tetrachloroethene	**252**	ug/L	200	58.4	200		08/12/21 12:56	127-18-4	
Toluene	ND	ug/L	200	97.0	200		08/12/21 12:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	200	161	200		08/12/21 12:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	126	200		08/12/21 12:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	200	66.4	200		08/12/21 12:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	200	65.0	200		08/12/21 12:56	79-00-5	
Trichloroethene	**23300**	ug/L	200	76.6	200		08/12/21 12:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	200	59.6	200		08/12/21 12:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	52.2	200		08/12/21 12:56	96-18-4	
Vinyl acetate	ND	ug/L	400	262	200		08/12/21 12:56	108-05-4	
Vinyl chloride	ND	ug/L	200	77.2	200		08/12/21 12:56	75-01-4	
Xylene (Total)	ND	ug/L	200	67.6	200		08/12/21 12:56	1330-20-7	
m&p-Xylene	ND	ug/L	400	142	200		08/12/21 12:56	179601-23-1	
o-Xylene	ND	ug/L	200	67.6	200		08/12/21 12:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		08/12/21 12:56	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		200		08/12/21 12:56	17060-07-0	
Toluene-d6 (S)	101	%	70-130		200		08/12/21 12:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-H **Lab ID: 92553998010** Collected: 08/05/21 12:15 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	312	63.9	12.5		08/11/21 03:31	67-64-1	
Benzene	ND	ug/L	12.5	4.3	12.5		08/11/21 03:31	71-43-2	
Bromobenzene	ND	ug/L	12.5	3.6	12.5		08/11/21 03:31	108-86-1	
Bromochloromethane	ND	ug/L	12.5	5.8	12.5		08/11/21 03:31	74-97-5	
Bromodichloromethane	ND	ug/L	12.5	3.8	12.5		08/11/21 03:31	75-27-4	
Bromoform	ND	ug/L	12.5	4.3	12.5		08/11/21 03:31	75-25-2	
Bromomethane	ND	ug/L	25.0	20.8	12.5		08/11/21 03:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	62.5	49.5	12.5		08/11/21 03:31	78-93-3	
Carbon tetrachloride	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	56-23-5	
Chlorobenzene	ND	ug/L	12.5	3.6	12.5		08/11/21 03:31	108-90-7	
Chloroethane	ND	ug/L	12.5	8.1	12.5		08/11/21 03:31	75-00-3	IK
Chloroform	ND	ug/L	12.5	5.4	12.5		08/11/21 03:31	67-66-3	
Chloromethane	ND	ug/L	12.5	6.8	12.5		08/11/21 03:31	74-87-3	
2-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		08/11/21 03:31	95-49-8	
4-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		08/11/21 03:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	4.2	12.5		08/11/21 03:31	96-12-8	
Dibromochloromethane	ND	ug/L	12.5	4.5	12.5		08/11/21 03:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	12.5	3.4	12.5		08/11/21 03:31	106-93-4	
Dibromomethane	ND	ug/L	12.5	4.9	12.5		08/11/21 03:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	12.5	4.3	12.5		08/11/21 03:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	12.5	4.6	12.5		08/11/21 03:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		08/11/21 03:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	12.5	4.4	12.5		08/11/21 03:31	75-35-4	
cis-1,2-Dichloroethene	**701**	ug/L	12.5	4.8	12.5		08/11/21 03:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	12.5	5.0	12.5		08/11/21 03:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	12.5	4.4	12.5		08/11/21 03:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	12.5	3.6	12.5		08/11/21 03:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.5	4.8	12.5		08/11/21 03:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	12.5	5.3	12.5		08/11/21 03:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	12.5	4.6	12.5		08/11/21 03:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	12.5	4.5	12.5		08/11/21 03:31	10061-02-6	
Diisopropyl ether	ND	ug/L	12.5	3.8	12.5		08/11/21 03:31	108-20-3	
Ethylbenzene	ND	ug/L	12.5	3.8	12.5		08/11/21 03:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	19.1	12.5		08/11/21 03:31	87-68-3	
2-Hexanone	ND	ug/L	62.5	6.0	12.5		08/11/21 03:31	591-78-6	
p-Isopropyltoluene	ND	ug/L	12.5	5.2	12.5		08/11/21 03:31	99-87-6	
Methylene Chloride	ND	ug/L	62.5	24.4	12.5		08/11/21 03:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	62.5	33.9	12.5		08/11/21 03:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	12.5	5.3	12.5		08/11/21 03:31	1634-04-4	
Naphthalene	ND	ug/L	12.5	8.1	12.5		08/11/21 03:31	91-20-3	
Styrene	ND	ug/L	12.5	3.6	12.5		08/11/21 03:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	3.9	12.5		08/11/21 03:31	630-20-6	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-H **Lab ID: 92553998010** Collected: 08/05/21 12:15 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	2.8	12.5		08/11/21 03:31	79-34-5	
Tetrachloroethene	ND	ug/L	12.5	3.6	12.5		08/11/21 03:31	127-18-4	
Toluene	ND	ug/L	12.5	6.1	12.5		08/11/21 03:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	10.1	12.5		08/11/21 03:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	8.0	12.5		08/11/21 03:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	12.5	4.1	12.5		08/11/21 03:31	79-00-5	
Trichloroethene	**1270**	ug/L	12.5	4.8	12.5		08/11/21 03:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	12.5	3.7	12.5		08/11/21 03:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	12.5	3.3	12.5		08/11/21 03:31	96-18-4	
Vinyl acetate	ND	ug/L	25.0	16.4	12.5		08/11/21 03:31	108-05-4	
Vinyl chloride	ND	ug/L	12.5	4.8	12.5		08/11/21 03:31	75-01-4	
Xylene (Total)	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	1330-20-7	
m&p-Xylene	ND	ug/L	25.0	8.9	12.5		08/11/21 03:31	179601-23-1	
o-Xylene	ND	ug/L	12.5	4.2	12.5		08/11/21 03:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		12.5		08/11/21 03:31	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		12.5		08/11/21 03:31	17060-07-0	
Toluene-d8 (S)	99	%	70-130		12.5		08/11/21 03:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-I **Lab ID: 92553998011** Collected: 08/05/21 10:30 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	250	51.1	10		08/10/21 11:58	67-64-1	
Benzene	ND	ug/L	10.0	3.4	10		08/10/21 11:58	71-43-2	
Bromobenzene	ND	ug/L	10.0	2.9	10		08/10/21 11:58	108-86-1	M1
Bromochloromethane	ND	ug/L	10.0	4.7	10		08/10/21 11:58	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	3.1	10		08/10/21 11:58	75-27-4	M1
Bromoform	ND	ug/L	10.0	3.4	10		08/10/21 11:58	75-25-2	
Bromomethane	ND	ug/L	20.0	16.6	10		08/10/21 11:58	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	50.0	39.6	10		08/10/21 11:58	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	3.3	10		08/10/21 11:58	56-23-5	M1
Chlorobenzene	ND	ug/L	10.0	2.8	10		08/10/21 11:58	108-90-7	M1
Chloroethane	ND	ug/L	10.0	6.5	10		08/10/21 11:58	75-00-3	
Chloroform	**26.3**	ug/L	10.0	4.3	10		08/10/21 11:58	67-66-3	M1
Chloromethane	ND	ug/L	10.0	5.4	10		08/10/21 11:58	74-87-3	v2
2-Chlorotoluene	ND	ug/L	10.0	3.2	10		08/10/21 11:58	95-49-8	M1
4-Chlorotoluene	ND	ug/L	10.0	3.2	10		08/10/21 11:58	106-43-4	M1
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	3.4	10		08/10/21 11:58	96-12-8	R1
Dibromochloromethane	ND	ug/L	10.0	3.6	10		08/10/21 11:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.7	10		08/10/21 11:58	106-93-4	
Dibromomethane	ND	ug/L	10.0	3.9	10		08/10/21 11:58	74-95-3	M1
1,2-Dichlorobenzene	ND	ug/L	10.0	3.4	10		08/10/21 11:58	95-50-1	M1
1,3-Dichlorobenzene	ND	ug/L	10.0	3.4	10		08/10/21 11:58	541-73-1	M1
1,4-Dichlorobenzene	ND	ug/L	10.0	3.3	10		08/10/21 11:58	106-46-7	M1
Dichlorodifluoromethane	ND	ug/L	10.0	3.5	10		08/10/21 11:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	3.7	10		08/10/21 11:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	3.2	10		08/10/21 11:58	107-06-2	M1
1,1-Dichloroethene	ND	ug/L	10.0	3.5	10		08/10/21 11:58	75-35-4	
cis-1,2-Dichloroethene	**120**	ug/L	10.0	3.8	10		08/10/21 11:58	156-59-2	M1
trans-1,2-Dichloroethene	ND	ug/L	10.0	4.0	10		08/10/21 11:58	156-60-5	M1
1,2-Dichloropropane	ND	ug/L	10.0	3.6	10		08/10/21 11:58	78-87-5	M1
1,3-Dichloropropane	ND	ug/L	10.0	2.8	10		08/10/21 11:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	3.9	10		08/10/21 11:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.3	10		08/10/21 11:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	3.6	10		08/10/21 11:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	3.6	10		08/10/21 11:58	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	3.1	10		08/10/21 11:58	108-20-3	
Ethylbenzene	ND	ug/L	10.0	3.0	10		08/10/21 11:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	15.3	10		08/10/21 11:58	87-68-3	IK,R1
2-Hexanone	ND	ug/L	50.0	4.8	10		08/10/21 11:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	4.1	10		08/10/21 11:58	99-87-6	M1
Methylene Chloride	ND	ug/L	50.0	19.5	10		08/10/21 11:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	27.1	10		08/10/21 11:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	4.2	10		08/10/21 11:58	1634-04-4	
Naphthalene	ND	ug/L	10.0	6.4	10		08/10/21 11:58	91-20-3	R1
Styrene	ND	ug/L	10.0	2.9	10		08/10/21 11:58	100-42-5	M1
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.1	10		08/10/21 11:58	630-20-6	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: MW-I **Lab ID: 92553998011** Collected: 08/05/21 10:30 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	2.2	10		08/10/21 11:58	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	2.9	10		08/10/21 11:58	127-18-4	
Toluene	ND	ug/L	10.0	4.8	10		08/10/21 11:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	8.1	10		08/10/21 11:58	87-61-6	R1
1,2,4-Trichlorobenzene	ND	ug/L	10.0	8.4	10		08/10/21 11:58	120-82-1	R1
1,1,1-Trichloroethane	ND	ug/L	10.0	3.3	10		08/10/21 11:58	71-55-6	M1
1,1,2-Trichloroethane	ND	ug/L	10.0	3.2	10		08/10/21 11:58	79-00-5	M1
Trichloroethene	**903**	ug/L	10.0	3.8	10		08/10/21 11:58	79-01-6	M1
Trichlorofluoromethane	ND	ug/L	10.0	3.0	10		08/10/21 11:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	2.6	10		08/10/21 11:58	96-18-4	
Vinyl acetate	ND	ug/L	20.0	13.1	10		08/10/21 11:58	108-05-4	
Vinyl chloride	ND	ug/L	10.0	3.9	10		08/10/21 11:58	75-01-4	
Xylene (Total)	ND	ug/L	10.0	3.4	10		08/10/21 11:58	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	7.1	10		08/10/21 11:58	179601-23-1	
o-Xylene	ND	ug/L	10.0	3.4	10		08/10/21 11:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		10		08/10/21 11:58	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		10		08/10/21 11:58	17060-07-0	
Toluene-d8 (S)	99	%	70-130		10		08/10/21 11:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: Trip Blank **Lab ID: 92553998012** Collected: 08/05/21 00:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		08/07/21 07:36	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		08/07/21 07:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		08/07/21 07:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		08/07/21 07:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		08/07/21 07:36	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		08/07/21 07:36	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		08/07/21 07:36	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		08/07/21 07:36	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		08/07/21 07:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		08/07/21 07:36	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		08/07/21 07:36	75-00-3	IK
Chloroform	ND	ug/L	1.0	0.43	1		08/07/21 07:36	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		08/07/21 07:36	74-87-3	v2
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 07:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		08/07/21 07:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		08/07/21 07:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		08/07/21 07:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		08/07/21 07:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.39	1		08/07/21 07:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 07:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		08/07/21 07:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		08/07/21 07:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		08/07/21 07:36	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		08/07/21 07:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 07:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		08/07/21 07:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 07:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		08/07/21 07:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		08/07/21 07:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		08/07/21 07:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		08/07/21 07:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		08/07/21 07:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 07:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		08/07/21 07:36	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/07/21 07:36	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/07/21 07:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		08/07/21 07:36	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		08/07/21 07:36	591-78-6	L1
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		08/07/21 07:36	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		08/07/21 07:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		08/07/21 07:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/07/21 07:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/07/21 07:36	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		08/07/21 07:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		08/07/21 07:36	630-20-6	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Sample: Trip Blank **Lab ID: 92553998012** Collected: 08/05/21 00:00 Received: 08/06/21 12:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		08/07/21 07:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		08/07/21 07:36	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		08/07/21 07:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		08/07/21 07:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		08/07/21 07:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		08/07/21 07:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		08/07/21 07:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		08/07/21 07:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		08/07/21 07:36	75-69-4	v2
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		08/07/21 07:36	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		08/07/21 07:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		08/07/21 07:36	75-01-4	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/07/21 07:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/07/21 07:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/07/21 07:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		08/07/21 07:36	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		08/07/21 07:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/07/21 07:36	2037-26-5	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

QC Batch: 641531
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92553998001, 92553998002, 92553998003, 92553998004, 92553998005, 92553998006

METHOD BLANK: 3367081 Matrix: Water
Associated Lab Samples: 92553998001, 92553998002, 92553998003, 92553998004, 92553998005, 92553998006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Copper	ug/L	ND	5.0	0.50	08/19/21 15:57	
Iron	ug/L	ND	40.0	16.7	08/19/21 15:57	
Lead	ug/L	ND	1.0	0.89	08/19/21 15:57	
Zinc	ug/L	ND	10.0	7.0	08/19/21 15:57	

LABORATORY CONTROL SAMPLE: 3367082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	100	95.7	96	80-120	
Iron	ug/L	1000	1000	100	80-120	
Lead	ug/L	100	97.9	98	80-120	
Zinc	ug/L	100	98.1	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3367083 3367084

Parameter	Units	92553998002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	100	100	104	102	100	99	75-125	2	20	
Iron	ug/L	1280	1000	1000	2550	2400	127	112	75-125	6	20	M1
Lead	ug/L	ND	100	100	96.6	98.6	96	98	75-125	2	20	
Zinc	ug/L	11.4	100	100	113	114	101	103	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

QC Batch: 638708
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92553998001, 92553998002, 92553998004, 92553998006, 92553998012

METHOD BLANK: 3353407 Matrix: Water
Associated Lab Samples: 92553998001, 92553998002, 92553998004, 92553998006, 92553998012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/07/21 05:47	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/07/21 05:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/07/21 05:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/07/21 05:47	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/07/21 05:47	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/07/21 05:47	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/07/21 05:47	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/07/21 05:47	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/07/21 05:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/07/21 05:47	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/07/21 05:47	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/07/21 05:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/07/21 05:47	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/07/21 05:47	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/07/21 05:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/07/21 05:47	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/07/21 05:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/07/21 05:47	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/07/21 05:47	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/07/21 05:47	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/07/21 05:47	
2-Hexanone	ug/L	ND	5.0	0.48	08/07/21 05:47	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/07/21 05:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/07/21 05:47	
Acetone	ug/L	ND	25.0	5.1	08/07/21 05:47	
Benzene	ug/L	ND	1.0	0.34	08/07/21 05:47	
Bromobenzene	ug/L	ND	1.0	0.29	08/07/21 05:47	
Bromochloromethane	ug/L	ND	1.0	0.47	08/07/21 05:47	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/07/21 05:47	
Bromoform	ug/L	ND	1.0	0.34	08/07/21 05:47	
Bromomethane	ug/L	ND	2.0	1.7	08/07/21 05:47	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/07/21 05:47	
Chlorobenzene	ug/L	ND	1.0	0.28	08/07/21 05:47	
Chloroethane	ug/L	ND	1.0	0.65	08/07/21 05:47	IK
Chloroform	ug/L	ND	1.0	0.43	08/07/21 05:47	
Chloromethane	ug/L	ND	1.0	0.54	08/07/21 05:47	v2
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/07/21 05:47	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/07/21 05:47	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/07/21 05:47	
Dibromomethane	ug/L	ND	1.0	0.39	08/07/21 05:47	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

METHOD BLANK: 3353407 Matrix: Water
Associated Lab Samples: 92553998001, 92553998002, 92553998004, 92553998006, 92553998012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/07/21 05:47	v2
Diisopropyl ether	ug/L	ND	1.0	0.31	08/07/21 05:47	
Ethylbenzene	ug/L	ND	1.0	0.30	08/07/21 05:47	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/07/21 05:47	
m&p-Xylene	ug/L	ND	2.0	0.71	08/07/21 05:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/07/21 05:47	
Methylene Chloride	ug/L	ND	5.0	2.0	08/07/21 05:47	
Naphthalene	ug/L	ND	1.0	0.64	08/07/21 05:47	
o-Xylene	ug/L	ND	1.0	0.34	08/07/21 05:47	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/07/21 05:47	
Styrene	ug/L	ND	1.0	0.29	08/07/21 05:47	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/07/21 05:47	
Toluene	ug/L	ND	1.0	0.48	08/07/21 05:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/07/21 05:47	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/07/21 05:47	
Trichloroethene	ug/L	ND	1.0	0.38	08/07/21 05:47	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/07/21 05:47	v2
Vinyl acetate	ug/L	ND	2.0	1.3	08/07/21 05:47	
Vinyl chloride	ug/L	ND	1.0	0.39	08/07/21 05:47	v2
Xylene (Total)	ug/L	ND	1.0	0.34	08/07/21 05:47	
1,2-Dichloroethane-d4 (S)	%	105	70-130		08/07/21 05:47	
4-Bromofluorobenzene (S)	%	99	70-130		08/07/21 05:47	
Toluene-d8 (S)	%	99	70-130		08/07/21 05:47	

LABORATORY CONTROL SAMPLE: 3353408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	60.3	121	70-130	
1,1,1-Trichloroethane	ug/L	50	55.0	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	63.0	126	70-130	
1,1,2-Trichloroethane	ug/L	50	58.5	117	70-130	
1,1-Dichloroethane	ug/L	50	57.9	116	70-130	
1,1-Dichloroethene	ug/L	50	57.2	114	70-132	
1,1-Dichloropropene	ug/L	50	55.0	110	70-131	
1,2,3-Trichlorobenzene	ug/L	50	60.7	121	70-134	
1,2,3-Trichloropropane	ug/L	50	61.7	123	70-130	
1,2,4-Trichlorobenzene	ug/L	50	60.9	122	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	63.1	126	70-132	
1,2-Dibromoethane (EDB)	ug/L	50	60.7	121	70-130	
1,2-Dichlorobenzene	ug/L	50	60.2	120	70-130	
1,2-Dichloroethane	ug/L	50	58.3	117	70-130	
1,2-Dichloropropane	ug/L	50	61.0	122	70-130	
1,3-Dichlorobenzene	ug/L	50	60.2	120	70-130	
1,3-Dichloropropane	ug/L	50	60.3	121	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

LABORATORY CONTROL SAMPLE: 3353408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	61.3	123	70-130	
2,2-Dichloropropane	ug/L	50	49.3	99	70-130	
2-Butanone (MEK)	ug/L	100	122	122	70-133	
2-Chlorotoluene	ug/L	50	62.8	126	70-130	
2-Hexanone	ug/L	100	136	136	70-130	L1
4-Chlorotoluene	ug/L	50	60.3	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	129	129	70-130	
Acetone	ug/L	100	118	118	70-144	
Benzene	ug/L	50	57.2	114	70-130	
Bromobenzene	ug/L	50	61.1	122	70-130	
Bromochloromethane	ug/L	50	54.6	109	70-130	
Bromodichloromethane	ug/L	50	59.0	118	70-130	
Bromoform	ug/L	50	59.3	119	70-131	
Bromomethane	ug/L	50	40.5	81	30-177	v3
Carbon tetrachloride	ug/L	50	55.4	111	70-130	
Chlorobenzene	ug/L	50	59.5	119	70-130	
Chloroethane	ug/L	50	42.7	85	46-131	IK
Chloroform	ug/L	50	54.4	109	70-130	
Chloromethane	ug/L	50	50.2	100	49-130	v3
cis-1,2-Dichloroethene	ug/L	50	59.2	118	70-130	
cis-1,3-Dichloropropene	ug/L	50	58.2	116	70-130	
Dibromochloromethane	ug/L	50	61.3	123	70-130	
Dibromomethane	ug/L	50	56.6	113	70-130	
Dichlorodifluoromethane	ug/L	50	46.4	93	52-134	v3
Diisopropyl ether	ug/L	50	58.2	116	70-131	
Ethylbenzene	ug/L	50	59.9	120	70-130	
Hexachloro-1,3-butadiene	ug/L	50	54.8	110	70-131	
m&p-Xylene	ug/L	100	118	118	70-130	
Methyl-tert-butyl ether	ug/L	50	54.9	110	70-130	
Methylene Chloride	ug/L	50	59.8	120	68-130	
Naphthalene	ug/L	50	63.3	127	70-133	
o-Xylene	ug/L	50	58.6	117	70-130	
p-Isopropyltoluene	ug/L	50	59.6	119	70-130	
Styrene	ug/L	50	61.8	124	70-130	
Tetrachloroethene	ug/L	50	55.6	111	70-130	
Toluene	ug/L	50	57.3	115	70-130	
trans-1,2-Dichloroethene	ug/L	50	58.5	117	70-130	
trans-1,3-Dichloropropene	ug/L	50	57.8	116	70-130	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	47.3	95	61-130	v3
Vinyl acetate	ug/L	100	128	128	70-140	
Vinyl chloride	ug/L	50	50.3	101	59-142	v3
Xylene (Total)	ug/L	150	177	118	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical
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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3353409 3353410

Parameter	Units	92553998001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	23.0	24.3	115	122	70-135	6	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	25.6	26.9	128	135	70-148	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	23.8	25.0	119	125	70-131	5	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	22.6	24.5	113	122	70-136	8	30	
1,1-Dichloroethane	ug/L	ND	20	20	26.0	27.3	130	136	70-147	5	30	
1,1-Dichloroethene	ug/L	ND	20	20	27.8	29.4	139	147	70-158	6	30	
1,1-Dichloropropene	ug/L	ND	20	20	26.0	27.5	130	137	70-149	6	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	23.5	24.8	118	124	68-140	5	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	23.4	25.3	117	126	87-137	8	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	23.4	24.8	117	124	70-139	6	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	23.7	24.2	119	121	69-136	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	22.8	24.5	114	123	70-137	7	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	23.8	24.8	119	124	70-133	4	30	
1,2-Dichloroethane	ug/L	ND	20	20	24.3	25.7	122	129	67-138	6	30	
1,2-Dichloropropane	ug/L	ND	20	20	25.5	26.9	127	134	70-138	5	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	24.4	25.6	122	128	70-133	5	30	
1,3-Dichloropropane	ug/L	ND	20	20	23.0	24.9	115	124	70-136	8	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	24.4	25.7	122	129	70-133	5	30	
2,2-Dichloropropane	ug/L	ND	20	20	27.2	28.5	136	142	52-155	5	30	
2-Butanone (MEK)	ug/L	ND	40	40	51.0	55.6	127	139	61-147	9	30	
2-Chlorotoluene	ug/L	ND	20	20	25.2	26.9	126	134	70-141	6	30	
2-Hexanone	ug/L	ND	40	40	53.2	56.1	133	140	67-139	5	30	M0,v1
4-Chlorotoluene	ug/L	ND	20	20	24.8	26.2	124	131	70-135	5	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	50.8	54.5	127	136	67-136	7	30	
Acetone	ug/L	ND	40	40	47.4	49.2	118	123	55-159	4	30	
Benzene	ug/L	ND	20	20	24.1	26.2	120	131	67-150	9	30	
Bromobenzene	ug/L	ND	20	20	24.0	25.8	120	129	70-134	7	30	
Bromochloromethane	ug/L	ND	20	20	23.5	24.2	118	121	70-146	3	30	
Bromodichloromethane	ug/L	ND	20	20	23.1	25.3	115	126	70-138	9	30	
Bromoform	ug/L	ND	20	20	21.1	22.4	106	112	57-138	6	30	
Bromomethane	ug/L	ND	20	20	20.2	22.0	101	110	10-200	9	30	v3
Carbon tetrachloride	ug/L	ND	20	20	24.8	26.5	124	132	70-147	7	30	
Chlorobenzene	ug/L	ND	20	20	23.9	25.1	119	126	70-137	5	30	
Chloroethane	ug/L	ND	20	20	30.5	31.6	152	158	51-166	4	30	IK
Chloroform	ug/L	ND	20	20	25.0	26.3	122	129	70-144	5	30	
Chloromethane	ug/L	ND	20	20	25.8	26.1	129	130	24-161	1	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	25.9	27.0	130	135	67-148	4	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	23.6	25.0	118	125	70-142	6	30	
Dibromochloromethane	ug/L	ND	20	20	22.6	24.1	114	121	68-138	6	30	
Dibromomethane	ug/L	ND	20	20	22.1	23.6	110	118	70-134	7	30	
Dichlorodifluoromethane	ug/L	ND	20	20	25.0	25.3	125	127	43-155	1	30	
Diisopropyl ether	ug/L	ND	20	20	25.3	26.4	126	132	65-146	4	30	
Ethylbenzene	ug/L	ND	20	20	24.4	25.7	122	128	68-143	5	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	24.0	25.1	120	125	62-151	5	30	

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(704)875-9092

QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3353409 3353410

Parameter	Units	92553998001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	ug/L	ND	40	40	49.0	51.6	123	129	53-157	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.8	24.5	114	122	59-156	7	30	
Methylene Chloride	ug/L	ND	20	20	26.9	27.6	135	138	64-148	2	30	
Naphthalene	ug/L	ND	20	20	22.7	24.8	114	124	57-150	9	30	
o-Xylene	ug/L	ND	20	20	23.7	25.2	119	126	68-143	6	30	
p-Isopropyltoluene	ug/L	ND	20	20	24.9	26.1	125	130	70-141	5	30	
Styrene	ug/L	ND	20	20	24.5	25.9	123	130	70-136	6	30	
Tetrachloroethene	ug/L	ND	20	20	23.2	24.5	116	123	70-139	6	30	
Toluene	ug/L	ND	20	20	24.0	25.8	120	129	47-157	7	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	26.5	28.0	133	140	70-149	6	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	23.1	24.8	115	124	70-138	7	30	
Trichloroethene	ug/L	ND	20	20	23.3	25.2	117	126	70-149	8	30	
Trichlorofluoromethane	ug/L	ND	20	20	24.2	24.7	121	123	61-154	2	30	
Vinyl acetate	ug/L	ND	40	40	53.3	56.6	133	142	48-156	6	30	
Vinyl chloride	ug/L	ND	20	20	25.1	25.5	126	128	55-172	1	30	
Xylene (Total)	ug/L	ND	60	60	72.8	76.8	121	128	66-145	5	30	
1,2-Dichloroethane-d4 (S)	%						112	106	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						100	102	70-130			

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

QC Batch: 639115
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92553998011

METHOD BLANK: 3355094 Matrix: Water
Associated Lab Samples: 92553998011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/10/21 10:29	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/10/21 10:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/10/21 10:29	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/10/21 10:29	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/10/21 10:29	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/10/21 10:29	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/10/21 10:29	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/10/21 10:29	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/10/21 10:29	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/10/21 10:29	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/10/21 10:29	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/10/21 10:29	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/10/21 10:29	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/10/21 10:29	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/10/21 10:29	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/10/21 10:29	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/10/21 10:29	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/10/21 10:29	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/10/21 10:29	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/10/21 10:29	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/10/21 10:29	
2-Hexanone	ug/L	ND	5.0	0.48	08/10/21 10:29	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/10/21 10:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/10/21 10:29	
Acetone	ug/L	ND	25.0	5.1	08/10/21 10:29	
Benzene	ug/L	ND	1.0	0.34	08/10/21 10:29	
Bromobenzene	ug/L	ND	1.0	0.29	08/10/21 10:29	
Bromochloromethane	ug/L	ND	1.0	0.47	08/10/21 10:29	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/10/21 10:29	
Bromoform	ug/L	ND	1.0	0.34	08/10/21 10:29	
Bromomethane	ug/L	ND	2.0	1.7	08/10/21 10:29	
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/10/21 10:29	
Chlorobenzene	ug/L	ND	1.0	0.28	08/10/21 10:29	
Chloroethane	ug/L	ND	1.0	0.65	08/10/21 10:29	
Chloroform	ug/L	ND	1.0	0.43	08/10/21 10:29	
Chloromethane	ug/L	ND	1.0	0.54	08/10/21 10:29	v2
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/10/21 10:29	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/10/21 10:29	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/10/21 10:29	
Dibromomethane	ug/L	ND	1.0	0.39	08/10/21 10:29	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

METHOD BLANK: 3355094 Matrix: Water
Associated Lab Samples: 92553998011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/10/21 10:29	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/10/21 10:29	
Ethylbenzene	ug/L	ND	1.0	0.30	08/10/21 10:29	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/10/21 10:29	IK
m&p-Xylene	ug/L	ND	2.0	0.71	08/10/21 10:29	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/10/21 10:29	
Methylene Chloride	ug/L	ND	5.0	2.0	08/10/21 10:29	
Naphthalene	ug/L	ND	1.0	0.64	08/10/21 10:29	
o-Xylene	ug/L	ND	1.0	0.34	08/10/21 10:29	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/10/21 10:29	
Styrene	ug/L	ND	1.0	0.29	08/10/21 10:29	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/10/21 10:29	
Toluene	ug/L	ND	1.0	0.48	08/10/21 10:29	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/10/21 10:29	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/10/21 10:29	
Trichloroethene	ug/L	ND	1.0	0.38	08/10/21 10:29	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/10/21 10:29	
Vinyl acetate	ug/L	ND	2.0	1.3	08/10/21 10:29	
Vinyl chloride	ug/L	ND	1.0	0.39	08/10/21 10:29	
Xylene (Total)	ug/L	ND	1.0	0.34	08/10/21 10:29	
1,2-Dichloroethane-d4 (S)	%	105	70-130		08/10/21 10:29	
4-Bromofluorobenzene (S)	%	104	70-130		08/10/21 10:29	
Toluene-d8 (S)	%	98	70-130		08/10/21 10:29	

LABORATORY CONTROL SAMPLE: 3355095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.5	105	70-130	
1,1,1-Trichloroethane	ug/L	50	50.3	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	102	70-130	
1,1,2-Trichloroethane	ug/L	50	48.7	97	70-130	
1,1-Dichloroethane	ug/L	50	49.0	98	70-130	
1,1-Dichloroethene	ug/L	50	49.9	100	70-132	
1,1-Dichloropropene	ug/L	50	49.9	100	70-131	
1,2,3-Trichlorobenzene	ug/L	50	56.2	112	70-134	
1,2,3-Trichloropropane	ug/L	50	52.2	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	56.0	112	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.7	105	70-132	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	70-130	
1,2-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,2-Dichloroethane	ug/L	50	49.2	98	70-130	
1,2-Dichloropropane	ug/L	50	48.3	97	70-130	
1,3-Dichlorobenzene	ug/L	50	53.9	108	70-130	
1,3-Dichloropropane	ug/L	50	52.8	106	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

LABORATORY CONTROL SAMPLE: 3355095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	54.5	109	70-130	
2,2-Dichloropropane	ug/L	50	50.4	101	70-130	
2-Butanone (MEK)	ug/L	100	95.5	96	70-133	
2-Chlorotoluene	ug/L	50	54.6	109	70-130	
2-Hexanone	ug/L	100	98.9	99	70-130	
4-Chlorotoluene	ug/L	50	52.3	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.7	94	70-130	
Acetone	ug/L	100	97.4	97	70-144	
Benzene	ug/L	50	49.3	99	70-130	
Bromobenzene	ug/L	50	53.0	106	70-130	
Bromochloromethane	ug/L	50	47.2	94	70-130	
Bromodichloromethane	ug/L	50	48.2	96	70-130	
Bromoform	ug/L	50	49.2	98	70-131	
Bromomethane	ug/L	50	44.4	89	30-177	
Carbon tetrachloride	ug/L	50	52.9	106	70-130	
Chlorobenzene	ug/L	50	53.2	106	70-130	
Chloroethane	ug/L	50	40.1	80	46-131	
Chloroform	ug/L	50	48.1	96	70-130	
Chloromethane	ug/L	50	35.7	71	49-130	v3
cis-1,2-Dichloroethene	ug/L	50	47.9	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	70-130	
Dibromochloromethane	ug/L	50	52.5	105	70-130	
Dibromomethane	ug/L	50	47.3	95	70-130	
Dichlorodifluoromethane	ug/L	50	50.1	100	52-134	
Diisopropyl ether	ug/L	50	45.0	90	70-131	
Ethylbenzene	ug/L	50	53.0	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.5	103	70-131	IK
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	48.3	97	70-130	
Methylene Chloride	ug/L	50	46.6	93	68-130	
Naphthalene	ug/L	50	53.5	107	70-133	
o-Xylene	ug/L	50	52.3	105	70-130	
p-Isopropyltoluene	ug/L	50	56.2	112	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	48.6	97	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	70-130	
Trichloroethene	ug/L	50	49.9	100	70-130	
Trichlorofluoromethane	ug/L	50	47.2	94	61-130	
Vinyl acetate	ug/L	100	106	106	70-140	
Vinyl chloride	ug/L	50	45.8	92	59-142	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			96	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3355096 3355097

Parameter	Units	92553998011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	270	267	135	133	70-135	1	30	
1,1,1-Trichloroethane	ug/L	ND	200	200	300	270	150	135	70-148	10	30	M1
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	235	260	118	130	70-131	10	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	278	250	139	125	70-138	11	30	M1
1,1-Dichloroethane	ug/L	ND	200	200	294	256	147	128	70-147	14	30	
1,1-Dichloroethene	ug/L	ND	200	200	313	272	156	136	70-158	14	30	
1,1-Dichloropropene	ug/L	ND	200	200	291	266	145	133	70-149	9	30	
1,2,3-Trichlorobenzene	ug/L	ND	200	200	182	275	91	138	68-140	41	30	R1
1,2,3-Trichloropropane	ug/L	ND	200	200	247	259	123	129	67-137	5	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	173	265	87	132	70-139	42	30	R1
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	175	265	88	132	69-136	41	30	R1
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	264	259	132	130	70-137	2	30	
1,2-Dichlorobenzene	ug/L	ND	200	200	238	269	119	134	70-133	12	30	M1
1,2-Dichloroethane	ug/L	ND	200	200	293	253	148	128	67-138	15	30	M1
1,2-Dichloropropane	ug/L	ND	200	200	279	251	140	125	70-138	11	30	M1
1,3-Dichlorobenzene	ug/L	ND	200	200	275	271	138	136	70-133	1	30	M1
1,3-Dichloropropane	ug/L	ND	200	200	263	267	131	133	70-136	2	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	267	271	134	135	70-133	1	30	M1
2,2-Dichloropropane	ug/L	ND	200	200	297	265	149	132	52-155	12	30	
2-Butanone (MEK)	ug/L	ND	400	400	523	492	131	123	61-147	6	30	
2-Chlorotoluene	ug/L	ND	200	200	349	283	175	142	70-141	21	30	M1
2-Hexanone	ug/L	ND	400	400	455	519	114	130	67-139	13	30	
4-Chlorotoluene	ug/L	ND	200	200	327	269	164	134	70-135	20	30	M1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	400	400	499	492	125	123	67-136	1	30	
Acetone	ug/L	ND	400	400	553	472	138	118	55-159	16	30	
Benzene	ug/L	ND	200	200	284	264	142	132	67-150	7	30	
Bromobenzene	ug/L	ND	200	200	342	271	171	136	70-134	23	30	M1
Bromochloromethane	ug/L	ND	200	200	292	241	146	120	70-146	19	30	
Bromodichloromethane	ug/L	ND	200	200	288	250	144	125	70-138	14	30	M1
Bromoform	ug/L	ND	200	200	236	239	116	119	57-138	1	30	
Bromomethane	ug/L	ND	200	200	429	324	211	159	10-200	28	30	M1
Carbon tetrachloride	ug/L	ND	200	200	321	294	160	147	70-147	9	30	M1
Chlorobenzene	ug/L	ND	200	200	282	271	141	135	70-137	4	30	M1
Chloroethane	ug/L	ND	200	200	319	256	160	128	51-166	22	30	
Chloroform	ug/L	26.3	200	200	316	273	145	123	70-144	15	30	M1
Chloromethane	ug/L	ND	200	200	225	231	112	115	24-161	2	30	v3
cis-1,2-Dichloroethene	ug/L	120	200	200	423	370	152	125	67-148	13	30	M1
cis-1,3-Dichloropropene	ug/L	ND	200	200	276	251	138	126	70-142	9	30	
Dibromochloromethane	ug/L	ND	200	200	272	259	136	130	68-138	5	30	
Dibromomethane	ug/L	ND	200	200	281	242	140	121	70-134	15	30	M1
Dichlorodifluoromethane	ug/L	ND	200	200	306	269	153	135	43-155	13	30	
Diisopropyl ether	ug/L	ND	200	200	241	232	120	116	65-146	4	30	
Ethylbenzene	ug/L	ND	200	200	286	275	143	138	68-143	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	200	200	173	264	86	132	62-151	42	30	IK,R1

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3355096 3355097

Parameter	Units	92553998011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	ug/L	ND	400	400	582	549	145	137	53-157	6	30	
Methyl-tert-butyl ether	ug/L	ND	200	200	262	245	131	122	59-156	7	30	
Methylene Chloride	ug/L	ND	200	200	293	248	146	124	64-148	17	30	
Naphthalene	ug/L	ND	200	200	174	260	87	130	57-150	40	30	R1
o-Xylene	ug/L	ND	200	200	280	265	140	133	68-143	5	30	
p-Isopropyltoluene	ug/L	ND	200	200	288	285	144	143	70-141	1	30	M1
Styrene	ug/L	ND	200	200	281	265	140	133	70-136	6	30	M1
Tetrachloroethene	ug/L	ND	200	200	272	276	136	138	70-139	2	30	
Toluene	ug/L	ND	200	200	287	258	144	129	47-157	11	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	301	262	150	131	70-149	14	30	M1
trans-1,3-Dichloropropene	ug/L	ND	200	200	272	245	136	122	70-138	10	30	
Trichloroethene	ug/L	903	200	200	1230	1180	162	141	70-149	4	30	M1
Trichlorofluoromethane	ug/L	ND	200	200	304	265	152	132	61-154	14	30	
Vinyl acetate	ug/L	ND	400	400	575	543	144	136	46-156	6	30	
Vinyl chloride	ug/L	ND	200	200	304	248	152	124	55-172	20	30	
Xylene (Total)	ug/L	ND	600	600	862	814	144	136	66-145	6	30	
1,2-Dichloroethane-d4 (S)	%						111	99	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						103	98	70-130			

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

QC Batch: 639217 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92553998003, 92553998005, 92553998007, 92553998008, 92553998010

METHOD BLANK: 3355516 Matrix: Water
Associated Lab Samples: 92553998003, 92553998005, 92553998007, 92553998008, 92553998010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/10/21 21:48	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/10/21 21:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/10/21 21:48	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/10/21 21:48	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/10/21 21:48	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/10/21 21:48	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/10/21 21:48	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/10/21 21:48	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/10/21 21:48	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/10/21 21:48	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/10/21 21:48	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/10/21 21:48	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/10/21 21:48	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/10/21 21:48	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/10/21 21:48	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/10/21 21:48	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/10/21 21:48	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/10/21 21:48	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/10/21 21:48	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/10/21 21:48	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/10/21 21:48	
2-Hexanone	ug/L	ND	5.0	0.48	08/10/21 21:48	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/10/21 21:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/10/21 21:48	
Acetone	ug/L	ND	25.0	5.1	08/10/21 21:48	
Benzene	ug/L	ND	1.0	0.34	08/10/21 21:48	
Bromobenzene	ug/L	ND	1.0	0.29	08/10/21 21:48	
Bromochloromethane	ug/L	ND	1.0	0.47	08/10/21 21:48	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/10/21 21:48	
Bromoform	ug/L	ND	1.0	0.34	08/10/21 21:48	
Bromomethane	ug/L	ND	2.0	1.7	08/10/21 21:48	
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/10/21 21:48	
Chlorobenzene	ug/L	ND	1.0	0.28	08/10/21 21:48	
Chloroethane	ug/L	ND	1.0	0.85	08/10/21 21:48	IK
Chloroform	ug/L	ND	1.0	0.43	08/10/21 21:48	
Chloromethane	ug/L	ND	1.0	0.54	08/10/21 21:48	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/10/21 21:48	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/10/21 21:48	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/10/21 21:48	
Dibromomethane	ug/L	ND	1.0	0.39	08/10/21 21:48	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

METHOD BLANK: 3355516 Matrix: Water
Associated Lab Samples: 92553998003, 92553998005, 92553998007, 92553998008, 92553998010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/10/21 21:48	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/10/21 21:48	
Ethylbenzene	ug/L	ND	1.0	0.30	08/10/21 21:48	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/10/21 21:48	
m&p-Xylene	ug/L	ND	2.0	0.71	08/10/21 21:48	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/10/21 21:48	
Methylene Chloride	ug/L	ND	5.0	2.0	08/10/21 21:48	
Naphthalene	ug/L	ND	1.0	0.84	08/10/21 21:48	
o-Xylene	ug/L	ND	1.0	0.34	08/10/21 21:48	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/10/21 21:48	
Styrene	ug/L	ND	1.0	0.29	08/10/21 21:48	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/10/21 21:48	
Toluene	ug/L	ND	1.0	0.48	08/10/21 21:48	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/10/21 21:48	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/10/21 21:48	
Trichloroethene	ug/L	ND	1.0	0.38	08/10/21 21:48	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/10/21 21:48	
Vinyl acetate	ug/L	ND	2.0	1.3	08/10/21 21:48	
Vinyl chloride	ug/L	ND	1.0	0.39	08/10/21 21:48	
Xylene (Total)	ug/L	ND	1.0	0.34	08/10/21 21:48	
1,2-Dichloroethane-d4 (S)	%	105	70-130		08/10/21 21:48	
4-Bromofluorobenzene (S)	%	95	70-130		08/10/21 21:48	
Toluene-d8 (S)	%	100	70-130		08/10/21 21:48	

LABORATORY CONTROL SAMPLE: 3355517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,1-Trichloroethane	ug/L	50	48.9	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.9	106	70-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethene	ug/L	50	49.9	100	70-132	
1,1-Dichloropropene	ug/L	50	50.7	101	70-131	
1,2,3-Trichlorobenzene	ug/L	50	51.4	103	70-134	
1,2,3-Trichloropropane	ug/L	50	53.8	108	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.7	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	54.0	108	70-132	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-130	
1,2-Dichloropropane	ug/L	50	52.5	105	70-130	
1,3-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,3-Dichloropropane	ug/L	50	52.3	105	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

LABORATORY CONTROL SAMPLE: 3355517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.2	102	70-130	
2,2-Dichloropropane	ug/L	50	47.2	94	70-130	
2-Butanone (MEK)	ug/L	100	114	114	70-133	
2-Chlorotoluene	ug/L	50	52.6	105	70-130	
2-Hexanone	ug/L	100	114	114	70-130	
4-Chlorotoluene	ug/L	50	50.6	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	113	113	70-130	
Acetone	ug/L	100	112	112	70-144	
Benzene	ug/L	50	50.1	100	70-130	
Bromobenzene	ug/L	50	51.0	102	70-130	
Bromochloromethane	ug/L	50	46.9	94	70-130	
Bromodichloromethane	ug/L	50	45.9	92	70-130	
Bromoform	ug/L	50	49.0	98	70-131	
Bromomethane	ug/L	50	39.9	80	30-177	
Carbon tetrachloride	ug/L	50	45.4	91	70-130	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	28.7	57	46-131	IK
Chloroform	ug/L	50	49.6	99	70-130	
Chloromethane	ug/L	50	37.1	74	49-130	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dibromomethane	ug/L	50	51.3	103	70-130	
Dichlorodifluoromethane	ug/L	50	26.4	53	52-134	
Diisopropyl ether	ug/L	50	49.2	98	70-131	
Ethylbenzene	ug/L	50	50.2	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	46.3	93	70-131	
m&p-Xylene	ug/L	100	99.6	100	70-130	
Methyl-tert-butyl ether	ug/L	50	49.9	100	70-130	
Methylene Chloride	ug/L	50	44.9	90	68-130	
Naphthalene	ug/L	50	51.7	103	70-133	
o-Xylene	ug/L	50	49.9	100	70-130	
p-Isopropyltoluene	ug/L	50	50.0	100	70-130	
Styrene	ug/L	50	51.2	102	70-130	
Tetrachloroethene	ug/L	50	46.9	94	70-130	
Toluene	ug/L	50	50.4	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	70-130	
Trichloroethene	ug/L	50	49.7	99	70-130	
Trichlorofluoromethane	ug/L	50	42.2	84	61-130	
Vinyl acetate	ug/L	100	119	119	70-140	
Vinyl chloride	ug/L	50	39.2	78	59-142	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3355518 3355519

Parameter	Units	92554066001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	108	108	108	108	70-135	1	30	
1,1,1-Trichloroethane	ug/L	ND	100	100	121	119	121	119	70-148	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	108	110	108	110	70-131	1	30	
1,1,2-Trichloroethane	ug/L	ND	100	100	112	112	112	112	70-136	0	30	
1,1-Dichloroethane	ug/L	ND	100	100	122	120	122	120	70-147	2	30	
1,1-Dichloroethene	ug/L	ND	100	100	132	130	132	130	70-158	2	30	
1,1-Dichloropropene	ug/L	ND	100	100	122	120	122	120	70-149	2	30	
1,2,3-Trichlorobenzene	ug/L	ND	100	100	98.7	99.2	99	99	68-140	1	30	
1,2,3-Trichloropropane	ug/L	ND	100	100	108	95.8	108	96	67-137	12	30	
1,2,4-Trichlorobenzene	ug/L	ND	100	100	97.3	100	97	100	70-139	3	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	100	100	95.4	99.3	95	99	69-136	4	30	
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	108	108	108	108	70-137	0	30	
1,2-Dichlorobenzene	ug/L	ND	100	100	112	112	112	112	70-133	0	30	
1,2-Dichloroethane	ug/L	ND	100	100	117	115	117	115	67-138	2	30	
1,2-Dichloropropane	ug/L	ND	100	100	115	117	115	117	70-138	1	30	
1,3-Dichlorobenzene	ug/L	ND	100	100	113	114	113	114	70-133	1	30	
1,3-Dichloropropane	ug/L	ND	100	100	112	114	112	114	70-136	2	30	
1,4-Dichlorobenzene	ug/L	ND	100	100	110	111	110	111	70-133	1	30	
2,2-Dichloropropane	ug/L	ND	100	100	86.1	84.9	86	85	52-155	1	30	
2-Butanone (MEK)	ug/L	ND	200	200	227	234	113	117	61-147	3	30	
2-Chlorotoluene	ug/L	ND	100	100	116	116	116	116	70-141	0	30	
2-Hexanone	ug/L	ND	200	200	201	209	100	105	67-139	4	30	
4-Chlorotoluene	ug/L	ND	100	100	112	111	112	111	70-135	0	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	200	200	207	210	103	105	67-136	1	30	
Acetone	ug/L	ND	200	200	238	240	119	120	55-159	1	30	
Benzene	ug/L	ND	100	100	114	115	114	115	67-150	1	30	
Bromobenzene	ug/L	ND	100	100	112	112	112	112	70-134	0	30	
Bromochloromethane	ug/L	ND	100	100	123	120	123	120	70-146	2	30	
Bromodichloromethane	ug/L	ND	100	100	99.3	100	99	100	70-138	1	30	
Bromoform	ug/L	ND	100	100	95.9	97.7	96	98	57-138	2	30	
Bromomethane	ug/L	ND	100	100	105	105	105	105	10-200	0	30	
Carbon tetrachloride	ug/L	8.8	100	100	121	116	112	107	70-147	4	30	
Chlorobenzene	ug/L	ND	100	100	113	114	113	114	70-137	1	30	
Chloroethane	ug/L	ND	100	100	136	129	136	129	51-166	5	30	IK
Chloroform	ug/L	ND	100	100	120	118	117	115	70-144	1	30	
Chloromethane	ug/L	ND	100	100	99.1	101	99	101	24-161	2	30	
cis-1,2-Dichloroethene	ug/L	61.4	100	100	196	196	114	114	67-148	0	30	
cis-1,3-Dichloropropene	ug/L	ND	100	100	98.3	100	98	100	70-142	2	30	
Dibromochloromethane	ug/L	ND	100	100	107	108	107	108	68-138	2	30	
Dibromomethane	ug/L	ND	100	100	108	110	108	110	70-134	1	30	
Dichlorodifluoromethane	ug/L	ND	100	100	114	114	114	114	43-155	0	30	
Diisopropyl ether	ug/L	ND	100	100	108	107	108	107	65-146	1	30	
Ethylbenzene	ug/L	ND	100	100	112	113	112	113	68-143	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	94.8	93.3	95	93	62-151	2	30	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3355518 3355519

Parameter	Units	92554066001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	ug/L	ND	200	200	223	225	112	112	53-157	1	30	
Methyl-tert-butyl ether	ug/L	ND	100	100	109	108	109	108	59-156	1	30	
Methylene Chloride	ug/L	ND	100	100	110	107	110	107	64-148	3	30	
Naphthalene	ug/L	ND	100	100	91.2	95.0	91	95	57-150	4	30	
o-Xylene	ug/L	ND	100	100	108	110	108	110	66-143	2	30	
p-Isopropyltoluene	ug/L	ND	100	100	109	108	109	108	70-141	1	30	
Styrene	ug/L	ND	100	100	110	110	110	110	70-136	0	30	
Tetrachloroethene	ug/L	601	100	100	690	701	89	100	70-139	2	30	
Toluene	ug/L	ND	100	100	112	112	112	112	47-157	0	30	
trans-1,2-Dichloroethene	ug/L	ND	100	100	121	120	121	120	70-149	1	30	
trans-1,3-Dichloropropene	ug/L	ND	100	100	97.5	98.5	98	98	70-138	1	30	
Trichloroethene	ug/L	127	100	100	247	245	120	118	70-149	1	30	
Trichlorofluoromethane	ug/L	ND	100	100	118	116	117	115	61-154	2	30	
Vinyl acetate	ug/L	ND	200	200	238	238	119	119	48-156	0	30	
Vinyl chloride	ug/L	ND	100	100	111	111	111	111	55-172	0	30	
Xylene (Total)	ug/L	ND	300	300	331	335	110	112	66-145	1	30	
1,2-Dichloroethane-d4 (S)	%						106	105	70-130			
4-Bromofluorobenzene (S)	%						98	98	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

QC Batch: 839821
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92553998009

METHOD BLANK: 3358203 Matrix: Water
Associated Lab Samples: 92553998009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	08/12/21 10:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	08/12/21 10:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	08/12/21 10:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	08/12/21 10:49	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	08/12/21 10:49	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	08/12/21 10:49	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	08/12/21 10:49	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	08/12/21 10:49	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	08/12/21 10:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	08/12/21 10:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	08/12/21 10:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	08/12/21 10:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	08/12/21 10:49	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/12/21 10:49	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	08/12/21 10:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	08/12/21 10:49	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	08/12/21 10:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	08/12/21 10:49	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	08/12/21 10:49	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	08/12/21 10:49	
2-Chlorotoluene	ug/L	ND	1.0	0.32	08/12/21 10:49	
2-Hexanone	ug/L	ND	5.0	0.48	08/12/21 10:49	
4-Chlorotoluene	ug/L	ND	1.0	0.32	08/12/21 10:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	08/12/21 10:49	
Acetone	ug/L	ND	25.0	5.1	08/12/21 10:49	
Benzene	ug/L	ND	1.0	0.34	08/12/21 10:49	
Bromobenzene	ug/L	ND	1.0	0.29	08/12/21 10:49	
Bromochloromethane	ug/L	ND	1.0	0.47	08/12/21 10:49	
Bromodichloromethane	ug/L	ND	1.0	0.31	08/12/21 10:49	
Bromoform	ug/L	ND	1.0	0.34	08/12/21 10:49	
Bromomethane	ug/L	ND	2.0	1.7	08/12/21 10:49	
Carbon tetrachloride	ug/L	ND	1.0	0.33	08/12/21 10:49	
Chlorobenzene	ug/L	ND	1.0	0.28	08/12/21 10:49	
Chloroethane	ug/L	ND	1.0	0.65	08/12/21 10:49	
Chloroform	ug/L	ND	1.0	0.43	08/12/21 10:49	
Chloromethane	ug/L	ND	1.0	0.54	08/12/21 10:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	08/12/21 10:49	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/12/21 10:49	
Dibromochloromethane	ug/L	ND	1.0	0.36	08/12/21 10:49	
Dibromomethane	ug/L	ND	1.0	0.39	08/12/21 10:49	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

METHOD BLANK: 3358203 Matrix: Water
Associated Lab Samples: 92553998009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	08/12/21 10:49	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/12/21 10:49	
Ethylbenzene	ug/L	ND	1.0	0.30	08/12/21 10:49	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	08/12/21 10:49	
m&p-Xylene	ug/L	ND	2.0	0.71	08/12/21 10:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/12/21 10:49	
Methylene Chloride	ug/L	ND	5.0	2.0	08/12/21 10:49	
Naphthalene	ug/L	ND	1.0	0.84	08/12/21 10:49	
o-Xylene	ug/L	ND	1.0	0.34	08/12/21 10:49	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	08/12/21 10:49	
Styrene	ug/L	ND	1.0	0.29	08/12/21 10:49	
Tetrachloroethene	ug/L	ND	1.0	0.29	08/12/21 10:49	
Toluene	ug/L	ND	1.0	0.48	08/12/21 10:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	08/12/21 10:49	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	08/12/21 10:49	
Trichloroethene	ug/L	ND	1.0	0.38	08/12/21 10:49	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	08/12/21 10:49	
Vinyl acetate	ug/L	ND	2.0	1.3	08/12/21 10:49	
Vinyl chloride	ug/L	ND	1.0	0.39	08/12/21 10:49	
Xylene (Total)	ug/L	ND	1.0	0.34	08/12/21 10:49	
1,2-Dichloroethane-d4 (S)	%	99	70-130		08/12/21 10:49	
4-Bromofluorobenzene (S)	%	101	70-130		08/12/21 10:49	
Toluene-d8 (S)	%	101	70-130		08/12/21 10:49	

LABORATORY CONTROL SAMPLE: 3358204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.0	108	70-130	
1,1,1-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	70-130	
1,1,2-Trichloroethane	ug/L	50	51.7	103	70-130	
1,1-Dichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethene	ug/L	50	50.0	100	70-132	
1,1-Dichloropropene	ug/L	50	52.5	105	70-131	
1,2,3-Trichlorobenzene	ug/L	50	49.6	99	70-134	
1,2,3-Trichloropropane	ug/L	50	50.3	101	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.3	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.0	100	70-132	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	70-130	
1,2-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	
1,2-Dichloropropane	ug/L	50	52.7	105	70-130	
1,3-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,3-Dichloropropane	ug/L	50	53.4	107	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

LABORATORY CONTROL SAMPLE: 3358204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.9	100	70-130	
2,2-Dichloropropane	ug/L	50	52.4	105	70-130	
2-Butanone (MEK)	ug/L	100	103	103	70-133	
2-Chlorotoluene	ug/L	50	52.4	105	70-130	
2-Hexanone	ug/L	100	97.7	98	70-130	
4-Chlorotoluene	ug/L	50	50.3	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.5	100	70-130	
Acetone	ug/L	100	95.8	96	70-144	
Benzene	ug/L	50	52.1	104	70-130	
Bromobenzene	ug/L	50	49.9	100	70-130	
Bromochloromethane	ug/L	50	55.2	110	70-130	
Bromodichloromethane	ug/L	50	49.2	98	70-130	
Bromoform	ug/L	50	53.2	106	70-131	
Bromomethane	ug/L	50	37.5	75	30-177	
Carbon tetrachloride	ug/L	50	50.6	101	70-130	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	47.8	96	46-131	
Chloroform	ug/L	50	48.6	97	70-130	
Chloromethane	ug/L	50	44.3	89	49-130	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.6	109	70-130	
Dibromochloromethane	ug/L	50	57.4	115	70-130	
Dibromomethane	ug/L	50	51.5	103	70-130	
Dichlorodifluoromethane	ug/L	50	53.2	106	52-134	
Diisopropyl ether	ug/L	50	50.7	101	70-131	
Ethylbenzene	ug/L	50	51.0	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.1	98	70-131	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	51.5	103	70-130	
Methylene Chloride	ug/L	50	48.1	96	68-130	
Naphthalene	ug/L	50	49.6	99	70-133	
o-Xylene	ug/L	50	50.9	102	70-130	
p-Isopropyltoluene	ug/L	50	50.0	100	70-130	
Styrene	ug/L	50	51.8	104	70-130	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Toluene	ug/L	50	50.4	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.2	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.0	106	70-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	50.0	100	61-130	
Vinyl acetate	ug/L	100	115	115	70-140	
Vinyl chloride	ug/L	50	48.9	98	59-142	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3358205 3358206

Parameter	Units	92553998009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	4000	4000	4320	4160	108	104	70-135	4	30	
1,1,1-Trichloroethane	ug/L	ND	4000	4000	4320	4120	108	103	70-148	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	4000	4400	4170	110	104	70-131	5	30	
1,1,2-Trichloroethane	ug/L	ND	4000	4000	4470	4280	112	107	70-136	4	30	
1,1-Dichloroethane	ug/L	ND	4000	4000	4350	4200	109	105	70-147	4	30	
1,1-Dichloroethene	ug/L	ND	4000	4000	4580	4330	114	108	70-158	5	30	
1,1-Dichloropropene	ug/L	ND	4000	4000	4380	4330	109	108	70-149	1	30	
1,2,3-Trichlorobenzene	ug/L	ND	4000	4000	4150	4030	104	101	68-140	3	30	
1,2,3-Trichloropropane	ug/L	ND	4000	4000	4450	4270	111	107	67-137	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	4000	4000	4130	4150	103	104	70-139	0	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	4000	4000	4200	3870	105	97	69-136	8	30	
1,2-Dibromoethane (EDB)	ug/L	ND	4000	4000	4540	4260	114	107	70-137	6	30	
1,2-Dichlorobenzene	ug/L	ND	4000	4000	4260	4120	106	103	70-133	3	30	
1,2-Dichloroethane	ug/L	ND	4000	4000	4200	4110	105	103	67-138	2	30	
1,2-Dichloropropane	ug/L	ND	4000	4000	4480	4330	112	108	70-138	3	30	
1,3-Dichlorobenzene	ug/L	ND	4000	4000	4250	4140	106	103	70-133	3	30	
1,3-Dichloropropane	ug/L	ND	4000	4000	4450	4280	111	107	70-136	4	30	
1,4-Dichlorobenzene	ug/L	ND	4000	4000	4270	4100	107	103	70-133	4	30	
2,2-Dichloropropane	ug/L	ND	4000	4000	4190	4070	105	102	52-155	3	30	
2-Butanone (MEK)	ug/L	ND	8000	8000	8840	8650	111	108	61-147	2	30	
2-Chlorotoluene	ug/L	ND	4000	4000	4410	4290	110	107	70-141	3	30	
2-Hexanone	ug/L	ND	8000	8000	8980	8470	112	106	67-139	6	30	
4-Chlorotoluene	ug/L	ND	4000	4000	4380	4110	110	103	70-135	6	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	8000	8000	8910	8790	111	110	67-136	1	30	
Acetone	ug/L	ND	8000	8000	8560	8530	107	107	55-159	0	30	
Benzene	ug/L	ND	4000	4000	4440	4300	111	108	67-150	3	30	
Bromobenzene	ug/L	ND	4000	4000	4310	4090	108	102	70-134	5	30	
Bromochloromethane	ug/L	ND	4000	4000	4330	4170	108	104	70-146	4	30	
Bromodichloromethane	ug/L	ND	4000	4000	4040	3920	101	98	70-138	3	30	
Bromoform	ug/L	ND	4000	4000	4300	4070	108	102	57-138	6	30	
Bromomethane	ug/L	ND	4000	4000	3300	3200	83	80	10-200	3	30	
Carbon tetrachloride	ug/L	ND	4000	4000	4440	4150	111	104	70-147	7	30	
Chlorobenzene	ug/L	ND	4000	4000	4380	4170	109	104	70-137	5	30	
Chloroethane	ug/L	ND	4000	4000	4570	4350	114	109	51-166	5	30	
Chloroform	ug/L	ND	4000	4000	4080	3820	100	93	70-144	7	30	
Chloromethane	ug/L	ND	4000	4000	3950	3880	99	97	24-161	2	30	
cis-1,2-Dichloroethene	ug/L	4960	4000	4000	8760	8500	95	89	67-148	3	30	
cis-1,3-Dichloropropene	ug/L	ND	4000	4000	4440	4320	111	108	70-142	3	30	
Dibromochloromethane	ug/L	ND	4000	4000	4670	4400	117	110	68-138	6	30	
Dibromomethane	ug/L	ND	4000	4000	4360	4320	109	108	70-134	1	30	
Dichlorodifluoromethane	ug/L	ND	4000	4000	4670	4620	117	115	43-155	1	30	
Diisopropyl ether	ug/L	ND	4000	4000	4090	3910	102	98	65-146	5	30	
Ethylbenzene	ug/L	ND	4000	4000	4330	4140	108	103	68-143	5	30	
Hexachloro-1,3-butadiene	ug/L	ND	4000	4000	4120	3870	103	97	62-151	6	30	

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QUALITY CONTROL DATA

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3358205 3358206

Parameter	Units	92553998009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	ug/L	ND	8000	8000	8710	8330	109	104	53-157	5	30	
Methyl-tert-butyl ether	ug/L	ND	4000	4000	4190	4000	105	100	59-156	5	30	
Methylene Chloride	ug/L	ND	4000	4000	4290	4170	102	99	64-148	3	30	
Naphthalene	ug/L	ND	4000	4000	4120	4100	103	103	57-150	0	30	
o-Xylene	ug/L	ND	4000	4000	4250	4060	106	101	68-143	5	30	
p-Isopropyltoluene	ug/L	ND	4000	4000	4290	4110	107	103	70-141	4	30	
Styrene	ug/L	ND	4000	4000	4360	4170	109	104	70-136	4	30	
Tetrachloroethene	ug/L	252	4000	4000	4570	4550	108	108	70-139	0	30	
Toluene	ug/L	ND	4000	4000	4380	4200	110	105	47-157	4	30	
trans-1,2-Dichloroethene	ug/L	ND	4000	4000	4360	4120	109	103	70-149	6	30	
trans-1,3-Dichloropropene	ug/L	ND	4000	4000	4360	4150	109	104	70-138	5	30	
Trichloroethene	ug/L	23300	4000	4000	27200	27100	97	95	70-149	0	30	
Trichlorofluoromethane	ug/L	ND	4000	4000	4320	4100	108	102	61-154	5	30	
Vinyl acetate	ug/L	ND	8000	8000	9500	9060	119	113	48-156	5	30	
Vinyl chloride	ug/L	ND	4000	4000	4350	4220	109	105	55-172	3	30	
Xylene (Total)	ug/L	ND	12000	12000	13000	12400	108	103	66-145	5	30	
1,2-Dichloroethane-d4 (S)	%						93	93	70-130			
4-Bromofluorobenzene (S)	%						102	101	70-130			
Toluene-d8 (S)	%						101	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Conbraco - 1030214-08-Revised
Pace Project No.: 92553998

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92553998001	MW-A	EPA 3005A	641531	EPA 6020B	641655
92553998002	MW-B	EPA 3005A	641531	EPA 6020B	641655
92553998003	MW-C	EPA 3005A	641531	EPA 6020B	641655
92553998004	MW-D	EPA 3005A	641531	EPA 6020B	641655
92553998005	DUP-1	EPA 3005A	641531	EPA 6020B	641655
92553998006	Rinsate Blank	EPA 3005A	641531	EPA 6020B	641655
92553998001	MW-A	EPA 8260D	638708		
92553998002	MW-B	EPA 8260D	638708		
92553998003	MW-C	EPA 8260D	639217		
92553998004	MW-D	EPA 8260D	638708		
92553998005	DUP-1	EPA 8260D	639217		
92553998006	Rinsate Blank	EPA 8260D	638708		
92553998007	MW-E	EPA 8260D	639217		
92553998008	MW-F	EPA 8260D	639217		
92553998009	MW-G	EPA 8260D	639821		
92553998010	MW-H	EPA 8260D	639217		
92553998011	MW-I	EPA 8260D	639115		
92553998012	Trip Blank	EPA 8260D	638708		

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Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Shield

Project # WO# : 92553998

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

92553998

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: 8-6-2

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☑ No ☐ N/A

Thermometer: ☑ IR Gun ID: 92T064 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 3.0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottles**

Project # **WO# : 92553998**

PM: RNB Due Date: 08/17/21

CLIENT: 92-Shield

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH <2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH >12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit(N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SPST-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1						1✓										3												
2						1✓										2												
3						1✓										3												
4						1✓										3												
5																3												
6																3												
7																3												
8																3												
9																3												
10						1✓										3												
11						1✓										3												
12																2												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A	Section B	Section C
Required Client Information:	Required Project Information:	Invoice Information:
Company: Shield	Report To: Wes Barfield	Attention:
Address: 4301 Taggart Creek Rd	Copy To:	Company Name:
Charlotte, NC 28203		Address:
Email: wbarfield@shieldengineering.com	Purchase Order #:	Pace Quote:
Phone: 704-971-4146 Fax:	Project Name: Conbraco - 1030214-06	Pace Project Manager: ryan.brumfield@pacelabs.com
Requested Due Date:	Project #:	Pace Profile #: 13143.11

Regulatory Program: NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8020 (Cu, Fe, Pb, Zn)	8260 LL Soil list	Residual Chlorine (Y/N)	
																						92553198
1	MW-A	W	G	8-5-21	1000														X	X		001
2	MW-B				1602														X	X		002
3	MW-C				1445														X	X		003
4	MW-D				~~1410~~		1430												X	X		004
5	MW-E				1520															X		~~005~~ 007
6	MW-F				1319															X		008
7	MW-G				1355															X		009
8	MW-H				1215															X		010
9	MW-I				1030															X		011
10	Dup-1																		X	X		005
11	Rinsate Blank				1500														X	X		006
12	Trip Blank																			X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Prep by Method 3101A	WB Barfield / Shield	8-6-21	1030	Shipper FedEx	8/6/21	12:00	3.1	Y	N	Y
Level II Data package w/ ability for Level IV if needed.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wes Barfield

SIGNATURE of SAMPLER: W. B. Barfield

DATE Signed: 8-5-21

8/6/21 VS