APPENDIX B

Site Plan



APPENDIX C

Process Flow Diagram



TOL-7988001FDALT01-PROCESS F 12/15/2023 3:39 PM - LBROWN 12/18/2023 7:40 AM

			PROCESS FLOW DIAGRAM	PROPOSED WTP
ARWELL D SOFTENER WASHWATER SUPPLY	HIGH SERVICE PUMPS	DISTRIBUTION		E REVISIONS AFTER ISSUED FOR BID BY
			Jones & Henr Engineers, Ltd GGG Fluid thinking Buid thinki	у у л. .001 Ne HECKED JDM Y



COMPILED WATER QUALITY

well 6

7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

Date: June 09, 2023

National Water Services LLC (1384) Attn: Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

RE: Certificate of Analysis for Project - Public Drinking Water

The following report contains analytical results for samples submitted on the chain of custody dated May 05, 2023.

I have reviewed the validity of the analytical data generated. All data is reported in accordance to our laboratory QA/QC plan. Any exceptions are noted in the Case Narrative or with qualifiers in the report.

If you have any questions or need additional documentation, please contact our Office.

Sincerely,

Cheryl Rey

Cheryl Rex MASI Laboratories QA/QC Officer cheryl@masilabs.com (614) 873-4654

well 6



Date: June 15, 2023

National Water Services LLC (1384) Attn: Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

RE: Certificate of Analysis for Project - Public Drinking Water

The following report contains analytical results for samples submitted on the chain of custody dated June 01, 2023.

I have reviewed the validity of the analytical data generated. All data is reported in accordance to our laboratory QA/QC plan. Any exceptions are noted in the Case Narrative or with qualifiers in the report.

If you have any questions or need additional documentation, please contact our Office.

Sincerely,

Cheryl Rey

Cheryl Rex MASI Laboratories QA/QC Officer cheryl@masilabs.com (614) 873-4654

Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

Sampler Name: Grant Herron Sample Date/Time: 5/31/23 05:07 Sample Monitoring Point: RS0006 Sample Type: SP Sample Tap/Address: Smooth Nose Copper 15025 Lockborne Eastern Rd Ashville OH

Sample ID: 141916

Lab Sample # : 3F00062-01 (Potable)

Client #: 1384 PO Number: Date Received: 6/1/23 10:41 Ohio EPA Analyzed Date: 6/15/23 10:56

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L):

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Synthetic Organic Compounds	(SOC) Group	1							
Alachlor	ND	ug/L		0.20	0.05	06/09/23 12:18	06/14/23 00:31	MEM	EPA Method 525.2
Atrazine	ND	ug/L		0.30	0.04	06/09/23 12:18	06/14/23 00:31	MEM	EPA Method 525.2
Simazine	ND	ug/L		0.35	0.08	06/09/23 12:18	06/14/23 00:31	MEM	EPA Method 525.2
Surrogate: 1,3-Dimethyl-2-nitrobenzene	100000000000000000000000000000000000000		101%			70-130	***********		EPA Method 525.2
Surrogate: Triphenylphosphate			97%			70-130			EPA Method 525.2
Surrogate: Perylene-d12			83%			70-130			EPA Method 525.2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

NU



Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

Client #: 1384 PO Number: Date Received: 6/1/23 10:41 Ohio EPA Analyzed Date: 6/15/23 10:56

Notes and Definitions

Item	Definition
mg/kg Dry	Sample results reported on a dry weight basis
ug/L	ppb/Part per Billion
mg/L	ppm/Part per Million
ND	Analyte NOT DETECTED at or above the method detection limit (MDL)
L	Analyte is at or above the Maximum Contaminate Level
MDL	Method Dectection Limit
CFU	Colony Forming Units
MPN	Most Probable Number
NTU	Nephelometric Turbidity Unit
pCi/L	Picocuries per liter
SVI	Sludge Volume Index

Notes:

1. Calculated analytes are based on raw data and may not reflect the rounding of the individual compounds.

2. Samples are analyzed using the information received on the request sheet and may not be analyzed when the parameters fall outside required guidelines.

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

Page 3 of 4

		<u>5 86</u> - 10
ENVIRONMENTAL LABORATORIES 7940 Memorial Drive Pialo City, OH 43084	Che 3 F00062-01 st AR #: 141916 Analysis Received: 6/1/2023 ron B Matr x: Potable	Sheet ^{Soutle:} 141916
614-873-4854	** See 1 irmat	tion *'
Project Name: Ashu'lk Well 6		γ
Client # 1384 Client Name 10	dia (). Q () and a)	
Chent Name: <u>AA</u>	woral Water Services 27c County: Pre	<u>Kaway</u> P.O.#
Sampler Name: Gront Herron	SMP ID : RSOOD 6	() Compliance (C) Sample Type: (4) New Well (N)
		() Special/Other (O)
Sample Tap: Smath Nase -Copper	Date Collected: 5/31/23 Time	Collected: 5:07
	(MM/DD/YY)	(hh:mm am/pm)
Tap Address: 15025 100K E	ourse Eastern RD Ashuille	OH
2 . 2	, <i>, , , , , , , , , , , , , , , , , , </i>	
() Public Sample () PWS ID #: 04	65 000 17 () Facility ID #: 42/ 0 00	() Privata Comula
	() 1 doning 10 m 10 2 0 00	6 () Private Sample
e 9 - E e E	2	[⊗] 8
4. F.		
Non-Preserved	Miss Parameters &	000.0
Daramatara	Wilse. Parameters &	SOC Parameter
rataineters	Preservatives	Groups
() 183 Asbestos	() 154 VOC (Ascorbic Acid/HCL) 524 2	AC 000 GROUP 1 Mathed 525 0
() 158 Total (Gross) Alpha	() 213 TTHM (Ascorbic Acid/HCL) 524.2	() 890 GROUP 2 Method 525.2
() 159 Total (Gross) Beta	() 375 HAA5 (NH4CL) 552.3	() 003 GROUP 2 Method 515.3
() 254 Radium 228	() 171 Toluene 524.2 or 8260	() 905 GROUP 2 Method 531.1
	() 174 BTEX (Ascorbic Acid/HCL)	() 004 GROUP 3 Method 508
Q2 - 2 ¹⁰ - 1	() 317 Lithium	() 904 GROUP 3 Method 547
() 371 UV254	() 134 Titanium	() 903 GROUP 3 Method 349.2
() 354 DOC	() 157 Total Organic Halogens	() 900 GROUP 4 Method 525.2
() 1080 SUVA	() 366 Hydrogen Sulfide	() 901 GROUP 4 Method 548.1
5 (25.5 m) I	() 123 Sulfide	() 701 Alachior 525.2
() 166 Bromide		() 702 Autazine 525.2
() 34 Chloride	() 1243 HAB Total Microcystins	() 707 Simazine 525.2
() 1195 Bromide Chloride Ratio	() I to III D Total Who objethis	
()746 2,3,7,8-TCDD (Dioxin)	() 1258 HAB Cyanobacteria Screening	
() 271 PAH 525.2 or 8270	(/ 1200 Inite Of an objection a berechning	
() 124 Sulfite		
() Other	Office Use	
() Other	- Only:	
().Other		
() Other		
) Other	1	
· · · · · · · · · · · · · · · · · · ·		
		() 0050 MAST 11-0
		() 9050 MASI Use Only
N: Total		() 9050 MASI Use Only Route
N: Total Containers		() 9050 MASI Use Only Route
N: Total Containers S:		() 9050 MASI Use Only Route Office/Lab
N: Total S: U:		() 9050 MASI Use Only Route Office/Lab COOLER: Revised 10-18-22 DI

New





Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

Sampler Name: Grant Herron

Sample Date/Time: 5/5/23 07:30

Sample Monitoring Point: RS0006

Client #: 1384 PO Number: 076439 Date Received: 5/5/23 15:28 Ohio EPA Analyzed Date: 6/9/23 11:26

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L): Sample Tap/Address: Smooth Nose Copper 15025 Lockbourne Eastern Rd Ashville OH (At Wellfield) 43130

Sample ID: 927199

Sample Type: SP

Lab Sample # : 3E01037-01 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
EPA 200.8 Rev. 5.4									
Antimony, Total	<3.0	ug/L		3.0	3.0	05/05/23 07:30	05/17/23 20:09	CIR	EDA 200 8 Days 5 4
Selenium, Total	<3.0	ug/L		3.0	3.0	05/05/23 07:30	05/17/23 20:09	SLB	EPA 200,8 Rev. 5.4
Thallium, Total	<1.0	ug/L		1.0	1.0	05/05/23 07:30	05/17/23 20:09	SLB	EPA 200.8 Rev. 5.4

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7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

Page 2 of 8



Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

Sampler Name: Grant Herron

Sample Date/Time: 5/5/23 07:30

Sample Monitoring Point: RS0006

Client #: 1384 PO Number: 076439 Date Received: 5/5/23 15:28 Ohio EPA Analyzed Date: 6/9/23 11:26

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L): Sample Tap/Address: Smooth Nose Copper 15025 Lockbourne Eastern Rd Ashville OH (At Wellfield) 43130

Sample ID: 927199

Sample Type: SP

Lab Sample # : 3E01037-01 (Potable)

					Peporting		Date/II-	D. 1. (77)		
Analyte		Result	Units	Qual	Limit	MDL	Prepared	Date/Time Analyzed	Analyst	Method
Wet Chemistry Analysis										
Alkalinity, Total		307	mg/L CaCO3		4.00		05/09/23 15:40	05/09/23 15:40	MSH	SM 2320 B 2011
Chloride		12.2	mg/L		5.00	5.00	05/09/23 09:55	05/09/23 09:55	MSH	SM 4500Cl 8 2011
Cyanide, Free		ND	mg/l (as free Cn)		0.003	0.0009	05/09/23 12:00	05/09/23 14:08	JAC	OIA-1677DW
Fluoride		1.31	mg/L		0.50	0,02	05/08/23 17:59	05/08/23 17:59	JOL	SM 4500 F C 2011
Nitrate-Nitrite		0.27	mg/L	J	0.50	0.08	05/11/23 10:00	05/11/23 11:49	JAC	SM 4500 NO3 F 2016
Nitrate as N+N		0.273	mg/L		0,500	0.0805	05/11/23 10:00	05/11/23 11:49	JAC	SM 4500NO3 F 2011
Nitrite		ND	mg/L		0.10	0.01	05/05/23 16:05	05/05/23 16:50	JAC	SM 4500 NO3 F 2016
pH		7.43	รม	HOLD			05/05/23 15:00	05/05/23 15:00	MMM	SM 4500H 8 2011
Total Dissolved Solids/Total Filterable Residue		332	mg/L		10.0	4.0	05/10/23 13:04	05/10/23 13:04	JOL	SM 2540 C 2015
Sulfate		64.5	mg/L		25.0	3.3	05/10/23 15:00	05/10/23 15:00	JOL	SM 4500 SO42 E
Metals Analysis										
Arsenic, Total	1	10	ug/L		з	0.8	05/11/23 15:00	05/12/23 08:51	1MB	SM 3113 B 2010
Barlum, Total		101	ug/L		25.0	0.5	05/16/23 13:15	05/16/23 13:15	KRM	EPA 200.7 1994
Beryllium, Total		ND	ug/L		1,0	0.06	05/16/23 13:15	05/16/23 13:15	KRM	EPA 200.7 1994
Cadmium, Total		ND	ug/L		1.0	0.2	05/16/23 13:15	05/16/23 13:15	KRM	EPA 200.7 1994
Calcium, Total		83.5	mg/L		2.0	0,09	05/13/23 14:10	05/13/23 14:10	KRM	EPA 200.7 1994
Chromium, Total		ND	ug/L		5.0	0.8	05/16/23 13:15	05/16/23 13:15	KRM	EPA 200.7 1994
Copper, Total		2	ug/L	J	50	1	05/12/23 18:19	05/12/23 18:19	KRM	EPA 200.7 1994
Iron, Total		1720	ug/L		80	0.8	05/12/23 18:19	05/12/23 18:19	KRM	EPA 200 7 1004
Lead, Total		ND	ug/L		5.0	0.6	05/12/23 14:00	05/12/23 16:36	IMB	SM 3113 B 2010
Magnesium, Total		28.4	mg/L		5.0	0.04	05/13/23 14:10	05/13/23 14:10	KRM	EPA 200.7 1994

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7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

Page 3 of 8



Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

Sampler Name: Grant Herron

Sample Type: SP

Sample Date/Time: 5/5/23 07:30

Sample Monitoring Point: RS0006

Client #: 1384 PO Number: 076439 Date Received: 5/5/23 15:28 Ohio EPA Analyzed Date: 6/9/23 11:26

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L): Sample Tap/Address: Smooth Nose Copper 15025 Lockbourne Eastern Rd Ashville OH (At Wellfield) 43130

Sample ID: 927199 (Continued)

Lab Sample # : 3E01037-01 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Metals Analysis (Continued)									
Manganese, Total	30	ug/L		20	0.6	05/12/23 18:19	05/12/23 18:19	KDM	EDA 200 7 1004
Mercury, Total	ND	ug/L		0.5	0.08	D5/12/23 13:09	05/13/23 15:19	IMP	EPA 200.7 1994
Nickel, Total	ND	ug/L		10.0	1.2	05/16/23 13:15	05/16/23 13:15	VDM	EPA 245.1 1994
Silver, Total	ND	ug/L		10,0	0.6	05/09/23 13:21	05/09/23 13:21	KDM	EPA 200.7 1994
Sodium, Total	28.6	ma/L		5.0	0.2	05/13/23 14:10	05/03/23 13:21	KOM	EPA 200.7 1994
Zinc, Totał	ND	ua/L		10.0	0.2	05/15/23 14:10	05/13/23 14:10	KRM	EPA 200.7 1994
		- 57 -		10.0	0.9	03/10/23 13.15	05/10/23 13:15	KRM	EPA 200.7 1994
Volatile Organic Chemicals (VOC)									
1,1,1-Trichloroethane	ND	ug/L		0.5	0.08	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
1,1,2-Trichloroethane	ND	ug/L		0.5	0.04	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
1,1-Dichloroethene	ND	ug/L		0.5	0.07	05/11/23 20:36	05/11/23 20:36	DTS	FPA Method 524 2
1,2,4-Trichlorobenzene	ND	ug/L		0.5	0.04	05/11/23 20:36	05/11/23 20:36	DIS	EPA Method 524.2
1,2-Dichlorobenzene	ND	ug/L		0.5	0.05	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524,2
1,2-Dichloroethane	ND	ug/L		0.5	0.07	05/11/23 20:36	05/11/23 20:36	OTS	EPA Method 524,2
1,2-Dichloropropane	ND	ug/L		0.5	0.07	05/11/23 20:36	05/11/23 20/36	DTC	EPA Method 524.2
1,4-Dichlorobenzene	ND	ug/L		0.5	0.07	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
Benzene	ND	ug/L		0.5	0.05	05/11/23 20:36	05/11/23 20:36	015	EPA Method 524,2
Carbon Tetrachloride	ND	ug/L		0.5	0.1	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524,2
Chlorobenzene	ND	ug/L		0,5	0.06	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524,2
cls-1,2-Dichloroethene	ND	ug/L		0,5	0.05	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
Ethylbenzene	ND	uq/L		0.5	0.03	05/11/23 20:36	05/11/23 20:36	DIS	EPA Method 524.2
Methylene Chloride	ND	ug/L		0.5	0.07	05/11/23 20:36	05/11/22 20:30	DIS	EPA Method 524.2
Styrene	ND	ug/L		0.5	0.05	05/11/23 20:30	05/11/23 20.30	15	CPA Method 524,2
Tetrachloroethene	ND	- <i>a</i> ,		0.5	0.00	05/11/23 20.30	05/11/23 20:36	DIS	EPA Method 524.2
Toluene	ND	ug/L		0.5	0.06	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2

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Page 4 of 8

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Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes 281 Hamburg Rd SW Lancaster, OH 43130

Sampler Name: Grant Herron

Sample Type: SP

Sample Date/Time: 5/5/23 07:30

Sample Monitoring Point: RS0006

Client #: 1384 PO Number: 076439 Date Received: 5/5/23 15:28 Ohio EPA Analyzed Date: 6/9/23 11:26

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L): Sample Tap/Address: Smooth Nose Copper 15025 Lockbourne Eastern Rd Ashville OH (At Wellfield) 43130

Sample ID: 927199 (Continued) Lab Sample # : 3E01037-01 (Potable)

				Poporting					
Analyte	Result	Units	Qual	Limit	MDL	Prepared	Date/Time Analyzed	Analyst	Method
Volatile Organic Chemicals (V	OC) (Continu	ed)						, indijor	Method
trans-1,2-Dichloroethene	ND	ug/L		0.5	0.08	05/11/23 20:36	05/11/22 20:26	0.70	
Trichloroethene	ND	ua/I		0.5	0.00	05/11/23 20:30	05/11/23 20:36	DIS	EPA Method 524.2
Vinyl Chloride	ND	ug/L		0.5	0.00	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
Total Xylenes		ug/L		0.5	0.07	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
rotal Aylenes	ND	ug/L		1.5	0,2	05/11/23 20:36	05/11/23 20:36	DTS	EPA Method 524.2
Surrogate: 4-Bromofluorobenzene		22220222	92%	57-58-58-94-36-6		70-130			
Surrogate: 1,2-Dichlorobenzene-d4			81%			70-130			EPA Method 524.2
Synthetic Organic Compounds	(SOC) Group	1							C 71 1100 02 12
Alachlor	No Analyze	ug/L	LCS, X	0.20	0.05	05/18/23 17:47	0E/19/22 17:47	-	
Atrazine	No Analyze	ua/L	ICS X	0.30	0.04	05/15/23 17.47	03/16/23 17:47	MEM	EPA Method 525.2
Simazine	No Applyzo	vg/=	-00, K	0.30	0.04	05/18/23 17:47	05/18/23 17:47	MEM	EPA Method 525.2
	NO Andiyze	ug/L	LCS, X	0.35	0.08	05/18/23 17:47	05/18/23 17:47	MEM	EPA Method 525.2
Surrogate: 1,3-Dimethyl-2-nitrobenzene			10	с. <i>Х</i>	- 14 - 1				en en compañía
Surrogate: Triphenylphosphate				- v					EPA Method 525.2
Surrogate: Penylang-d12			20.	<i>5, 1</i> ,					EPA Method 525,2
ourogater remenentz			10	S, X					EPA Method 525.2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

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7940 Memorial Drive Plain City, Ohlo 43064 (614) 873-4654





MCL Notification

Reported:5/12/2023 3:25:01PM

National Water Services LLC (1384)	Project:	Public Drinking Water
Po Box 369	Client Contact:	Matt Barnes
Groveport, OH 41325		

The analytes listed in this report exceed the Maximum Contamination Level

Sample Name: 92	7199				
Lab Number (Matrix):	3E01037-01 (Potable)				
Sample Location: Smoo	oth Nose Copper 15025 Lockb	ourne Eastern Rd	Ashville OH	(At Wellfield) 43130	
Date Sampled:5/5/2023	7:30:00AM	B			
Analyte	Result	Limit	Units	MCL	
Metals Analysis					
Arsenic, Total	10	0.8	ug/L	10	

A complete analytical report for your entire workorder will be sent once all requested analyses have been

preformed.

Please contact your OEPA representation for direction.



ENVIRORMENTAL TECHNOLOGIES, INC Amply load Laboratories

Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com

June 08, 2023

Jane McIntire MASI Environmental Services 7940 Memorial Dr. Plain City, OH 43064 TEL: (614) 873-4654 FAX: (614) 873-3809

RE: 3E01037

Dear Jane McIntire:

Order No.: 23050703

Summit Environmental Technologies, Inc. received 3 sample(s) on 5/9/2023 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Brian J. Fackelman Project Manager

3310 Win St. Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688. Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Catolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12. Virginia VELAP 10381, West Virginia 9957C

Page 1 of 16





Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settck.com</u>

Case Narrative

WO#:	23050703
Date:	6/8/2023

CLIENT:MASI Environmental ServicesProject:3E01037

WorkOrder Narrative:

23050703: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

WorkOrder Comments: 23050703: Ohio DW; for compliance. To be submitted to Ohio EPA

Analytical Sequence Sample Notes:

23050703-002A SVOC-EPA537_DW(537): Sample exhibited low recoveries for surrogates 13C2-PFHXA and 13C3-HFPO-DA, confirmed by reanalysis. Associated analytes may be biased low. 23050703-003A AlphaBeta_DW(900.0): Sample was reanalyzed for confirmation.

Original





Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

Workorder Sample Summary WO#: 23050703

08-Jun-23

CLIENT:MASI Environmental ServicesProject:3E01037

Lab SampleID 23050703-001	Client Sample 1D 3E01037-01	Tag No	Date Collected 5/5/2023 7:30:00 AM	Date Received 5/9/2023 10:00:00 AM	Matrix Drinking
23050703-002	3E01037-01 Field Blank		5/5/2023 7:30:00 AM	5/9/2023 10:00:00 AM	Water Drinking Water
23050703-003	3E01037-01		5/5/2023 7:30:00 AM	5/9/2023 10:00:00 AM	Drinking Water



Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: <u>http://www.settek.com</u>

Analytical Report

(consolidated) WO#: 23050703 Date Reported: 6/8/2023

Analyses		Result	PQL Qual	Units Uncertai	nty DF Date Analyzed
Client Sample II	3E01037-01				
Lab ID:	23050703-003			Matrix:	DRINKING WATER
Project:	3E01037				
CLIENT:	MASI Environmental	Services		Collection Date:	5/5/2023 7:30:00 AM

GROSS ALPHA / GROSS BETA	RADIOACTIVITY (EPA	900.0)		E900.0	E900	Analyst: HDJ
ALPHA, Gross BETA, Gross	3.28 ND	3.00 4.00	pCi/L pCi/L	± 3.31 ± 0.795	1 1	5/19/2023 10:24:00 AN 5/19/2023 10:24:00 AN
RADIUM-228 (904.0)				E904.0	E903-904	Analyst: HDJ
Radium-228 Yield	ND 0.940	1.00	pCi/L	± 0.4	1	5/25/2023 3:40:00 PM 5/25/2023 3:40:00 PM

Qualifiers:	В	Analyte detected in the associated Method Blank
	Н	Holding times for preparation or analysis exceeded

- H Holding times for preparation or analysis exceededMC Value is below Minimum Compound Limit.
- ND Not Detected
- P Second column confirmation exceeds

- E Value above quantitation range
- M Manual Integration used to determine area response
- N Tentatively identified compounds
- OG1
- PL. Permit Limit

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Summit Environmental Technologies, Inc. 3310 Win St. Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211 FAX: (330) 253-4489 Website: http://www.settek.com



Jup II

(consolidated) WO#: 23050703 Date Reported: 6/8/2023

CLIENT:	MASI Environmental Services	Collection Data distance	
Project:	3E01037	Conection Date: 5/5/2023 7:30:00 AM	
Lab ID:	23050703-001	Motion DDDUG DC DC	
Client Sample ID:	3E01037-01	Marna: DRINKING WATER	

Analyses	Result	PQL Qu	al Units		DF	Date Analyzed
PFAS BY EPA 537.1 PERFLUORINATED ALKYL ACIDS (EP	A 537,1)			E537.1	E53	7.1 Analyst: AEH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.00351	µg/L		1	5/23/2023 2:25:00 PM
Perfluorobutanesulfonic acid (PFBS; Perfluorohexanesulfonic acid (PFHxS) Perfluorononanoic acid (PFNA) Perfluorooctanoic acid (PFOA) Perfluorooctanesulfonic acid (PFOS Surr: 13C2-PFDA Surr: 13C2-PFHxA Surr: 13C3-HFPO-DA Surr: NETFOSAA-d5	ND ND ND 92.4 78.3 79.5 87.4	0.00351 0.00351 0.00351 0.00351 0.00351 70 - 130 70 - 130 70 - 130 70 - 130	μg/L μg/L μg/L μg/L %Rec %Rec %Rec		1 1 1 1 1 1 1	5/23/2023 2:25:00 PM 5/23/2023 2:25:00 PM 5/23/2023 2:25:00 PM 5/23/2023 2:25:00 PM 5/23/2023 2:25:00 PM 5/23/2023 2:25:00 PM 5/23/2023 2:25:00 PM

Qualifiers:

Holding times for preparation or analysis exceeded ND Not Detected

R

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RPD outside accepted recovery limits w Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response М PL.

- Permit Limit
- RL Reporting Detection Limit

Original

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		solates NG	ттіt Елчігонтепt Сиуаho _l (330) 253-8211 I Wehsüte: <u>I</u>	al Technologi 3310 3a Falls, Ohio 7AX: (330) 25 ttp://www.sett	es, Inc. Win Si. 44223 3-4489 ek.com			•	QC SUMI	MARY]	REPO]	RT 703
lient: roject:	MASI Environ 3E01037	mental Services							BatchID: 6	5186		C 4
ample ID: MB. lient ID: PBV	65186 S	ampType: MBLK Batch ID: 65186	TestCod	e: UCMR5_5 0: E537.1	sVO Units: µg/L E537.1		Prep Dat Analysis Dat	e: 5/11/2 e: 5/23/2	023	RunNo: 164 SeqNo: 438	401	
nalyte		Result	Par	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
erfluorobutane erfluorobane arfluorobano arfluoropropro Surr: 13C3-Hf Surr: 13C2-FF Surr: 13C2-FF Surr: NETFOS	sulfonic acid (PFBS) sulfonic acid (PFVS) c acid (PFOA) sulfonic acid (PFNA) ic a	() ND ND ND ND ND ND ND ND ND ND ND ND ND	0,00400 0,00400 0.00400 0.00400 0.00400 0.00400	0.04000 0.04000 0.1600 0.1600		86.9 91.0 76.7 7	80.5 90.5 50.5	130.5 130.5 130.5				
alifiers: B J NI PI	Analyte detected in Analyte detected be D Not Detected	the associated Methoo clow quantitation limit	d Blank s	E Value a M Manual DG1 R RPD ou	bove quantitation ran. Integration used to di traite accented recover	ge etermine area	response	MC	Adding times for pr Value is below Mini Second column coni	reparation or ana imum Compound firmation exceed	ti p s	Driginal
				2 2 2 2	נואותב שרהבלובה ובההגם	ary humas		KL	Ceporting Detection	n Limit		

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R	NGN	NET ⁵⁴	mmit Environmen	ital Technolog 3310	ies, Inc. Win St.			0	C SUM	MARY	REPO	RT
		TET	сцуан : (330) 253-8211	982 Falls, Oluc FAX: (330) 25	3-4489					WO#:	: 2305	0703
			Wehsite:	http://www.set	lek.com						08-Ju	n-23
Client: Project:	MASI Environn 3E01037	nental Services										
	1001070							g	atchID: 6	5186		
Sample ID: 1	LCSD-65186 Sa	mpType; LCSD	TestCo	de: SVOC-EF	A53 Units: µg/L		Prep Da	te: 5/11/20	23	RunNo: 164	1231	
Client ID:	LCSS02 E	satch ID: 65186	Testh	4o: E537.1	E537.1		Analysis Da	te: 5/23/20	23	SeqNo: 437	75952	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Perfluorobut	anesulfonic acid (PFBS)	0.0371	0,00400	0.03540	0	105	02	130	0.03300	118	20	
Perfluorahex	anesulfonic acid (PFHxS)	0.0382	0.00400	0.03650	0	105	20	130	0.03491	50.6	0,00	
Perfluorooct	anoic acid (PFOA)	D,0417	0.00400	0.04000	0	104	70	130	0.03628	13.9	20	
Perindrooctz	anesultonic acid (PFOS)	0.0381	0.00400	0.03704	0	103	20	130	0.03265	15.4	20	
Heven	ianoic acid (PFNA)	0.0458	0.00400	0.04000	0	115	70	130	0.03913	15.8	20	
Superinductor	upyrerie uxide dimer acid (0.0353	0.00400	0.04000	0	88.2	20	130	0.03396	3.81	20	
Sum 1201		0.0348		0.04000		87.1	20	130		0	20	
Suil. 1902		0.0329		0.04000		82.2	70	130		0	20	
	S-HFPO-DA	0.0322		0.04000		80.5	70	130		0	20	
SURT: NE I	FUSAA-d5	0.120		0.1600		74.7	70	130		0	20	
Sample ID: N	48-65186 Sar	npType: MBLK	TestCod	e: SVOC-EP	453 Units: µg/L		Prep Dat	:e: 5/11/202		RunNo: 164;	231	
Client ID: P	BW	atchID: 65186	TestN	o: E537.1	E537.1	4	Analysis Dat	e: 5/23/202	ŋ	SeqNo: 437	5980	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDI imit	Dual O
Perluorobuta	mesulfonic acid (PFBS)	Q	0.00400									
Perluorohexa	anesulfonic acid (PFHxS)	QN	0.00400									
Perfuoroocta	noic acid (PFOA)	QN	0.00400									
Perluoroocta	nesulfonic acid (PFOS)	ND	0.00400									
Perliuoronone	anoic acid (PFNA)	QN	0.00400									
Hexafluoroprc	pylene oxide dimer acid (QN	0.00400									
Surr: 13C2-	PFDA	0.0348		0.04000		86.9	20	130				
Qualifiers:	B Analyte detected in t	he associated Metho	d Blank	E Value 2	Ibove quantitation rai	oge		H H	lding times for p	reparation or and	al	
	J Analyte detected beli ND Not Detected	ow quantitation limit	S	M Manua	Integration used to c	letennine area	ı response	MC Va	lue is below Min	imum Compoun	hd	Cotion to
	PL Permit Limit			UGI R RPDAI	itside screntod room	ares lineite		P Se	cond column con	firmation exceed	st	Inglid
					ויאתר מררכלונית ובכחא			KL Ke	porting Detection	i Limit		
					Page 7 of '	16						



Client: MASI Environmental Scrvices Project: 3E01037 TestCode: SVOC-EPAS3 Units: µµL Prep Date: SampToject: 3E01037 SampTojec: SampToject Project: 3E01037 Prep Date: SampToject: 3E01037 SampTojec: SampToject Festor Project: Project: Project: SampToject: 3E01037 SampToject Festor Festor ES37.1 ES37.1 Analysis Date: Prep Date:	A Contract of the second secon	mental Technologies, Inc. 3310 Win St. 3100 4223 211 FAX: (330) 253-4489 te: http://www.settek.com			QC SUM	MARY REPC wo#: 2305	0703 11-23
Sample LD: Samplype: NBLK TestCode: SUN: E37.1 Prep Date: Clent ID: B410 5518 TestNo: E37.1 Analysis Prep Date: Analysia BatchID: 6518 TestNo: E37.1 E37.1 Analysis Analysia BatchID: 6518 TestNo: E37.1 E37.1 Analysis Analysis BatchID: 65186 FOL SPK value SPK Ref Val %REC Lowinni Hist Surr: 102-3HFPO-DA 0.0384 0.04000 81.0 70 70 Surr: NETCSAAd5 0.132 0.1400 0.03500 70 70 Surr: NETFOSAAd5 0.123 0.01400 0.035500 70 70 Surr: NETFOSAAd5 0.0330 0.00400 0.035500 70 70 Sample TestNu: EstNus FestNus EstNus EstNus 70 70 Sample D: 0.0330 0.00400 </th <th>Environmental Services 37</th> <th></th> <th></th> <th></th> <th>BatchID: 6</th> <th>5186</th> <th></th>	Environmental Services 37				BatchID: 6	5186	
Analyte Result PQL SPK value SPK Ref Val WREC LowLimit High Surr. 13C2-PFHAA 0.0354 0.04000 91.0 70 70 Surr. 13C2-PFHAA 0.0352 0.04000 88.0 70 70 Surr. 13C2-PFHAA 0.0352 0.0352 0.04000 88.0 70 70 Surr. 13C3-HFP0-DA 0.0352 0.123 0.16000 88.0 70 70 Surr. 13C3-HFP0-DA 0.0352 0.0400 0.140 88.0 70 70 Surr. NETF0SAA-dis 0.123 0.03540 0.03540 90.1 70 70 Surr. NETF0SAA-dis 0.0330 0.03540 0.03560 0.03560 70 70 Feihubrochtanesulfonic acid (FPLKS) 0.0330 0.03550 0.04000 90.7 70 70 Perfluorochtanesulfonic acid (FPCS) 0.03240 0.033704 0 90.7 70 70 Perfluorocotanesulfonic acid (FPCS) 0.03340 0.03400 0.04000	SampType: MBLK Test BatchID: 65186 Te	Code: SVOC-EPA53 Units: µg/L stNo: E537.1 E537.1		Prep Date: Analysis Date:	5/11/2023 5/23/2023	RunNo: 164231 SeqNo: 4375980	
Surr. 13C2-PFHxA 0.0364 0.04000 91.0 70 Surr. NGTPOSA-d5 0.0352 0.04000 88.0 70 Surr. NETFOSA-d5 0.133 0.1600 88.0 70 Surr. NETFOSA-d5 0.133 0.1500 88.0 70 Surr. NETFOSA-d5 SampTipe: LCS TestNo: E537.1 Energin Prep Date: E Sample ID: LCS-65186 SampTipe: LCS TestNo: E537.1 E537.1 Analysis Date: E Client ID: LCS-wide BatchID: 65186 Son0400 0.03540 0 90.7 70 Analyte Result PQL SPK value SPK Ref Val %REC LowInit: High Perfluorobutanesulfonic acid (PFDS) 0.03540 0.03540 0 90.7 70 Perfluorobutanesulfonic acid (PFDS) 0.03566 0.00400 0.03566 70 97 Perfluorobutanesulfonic acid (PFDS) 0.03368 0.00400 0.93.2 70 Perfluorobutanesulfonic acid (PFDS) 0.03369 0.00400 0.93.2 70 Per	Result PQ	- SPK value SPK Ref Val	%REC	LowLimit Hig	hLimit RPD Ref Val	%RPD RPDLimit	Oual
Out: NETFOSAAd5 0.1352 0.04000 88.0 70 Sur: NETFOSAAd5 0.123 0.1600 76.7 70 Sur: NETFOSAAd5 0.123 0.1600 76.7 70 Sample ID: LCS-65186 SampTpe: LCS TestCode: SVOC-EPAS3 Units: µg/L Prep Date: 5 Glent ID: LCS-65186 SampTpe: LCS TestCode: SVOC-EPAS3 Units: µg/L Prep Date: 5 Clent ID: LCS-65186 SampTpe: LCS TestCode: SVOC-EPAS3 Units: µg/L Prep Date: 5 Clent ID: LCS-65186 SampTpe: LCS TestCode: SVOC-EPAS3 Units: µg/L Prep Date: 5 Clent ID: LCSW BatchID: 65186 0.00400 0.03540 0 93.2 70 Perfluorobutanesulfonic acid (PFOS) 0.03391 0.00400 0.03704 0 97.8 70 Perfluorobutanesulfonic acid (PFOS) 0.03361 0.00400 0.03704 0 97.8 70 Perfluorobutanesulfonic acid (PFOS) 0.03361 0.00400 0.04000 0.04000 97.8 70 Perfluorobutanesulfonic acid (PFOS)	0.0364	0.04000	91.0	02	130		
Sample ID: LCS-65186 SampType: LCS TestCode: SVOC-EPA53 Units: µg/L Prep Date: 5 Glent ID: LCSW BatchID: 65186 TestNo: E537.1 E537.1 Frep Date: 5 Analyte Result PCL SPK value SPK Ref Val %REC Lowinit: High Perfluorobutanesuffonic acid (PFDA) 0.0330 0.00400 0.03540 0 93.2 70 Perfluorobutanesuffonic acid (PFDA) 0.0353 0.00400 0.03560 0 93.2 70 Perfluorobutanesuffonic acid (PFDA) 0.03563 0.00400 0.03704 0 93.2 70 Perfluorobutanesuffonic acid (PFDA) 0.03563 0.00400 0.03704 0 93.7 70 Perfluorobutanesuffonic acid (PFDA) 0.03563 0.00400 0.03704 0 97.8 70 Perfluorobutanesuffonic acid (PFDA) 0.03563 0.00400 0.044000 93.6 70 Perfluorobutanesuffonic acid (PFDA) 0.03563 0.00400 0.044000 97.8 70 Perfluorobutanesuffonic acid (PFDA) 0.03563 0.00400 0.044000 93.6 70 Paralluoropropropriete covide dimer acid 0.03363 0.00400 0.044000 93.6 70 Surr: 1352-PFDA <	0.0352 0.123	0.04000 0.1600	88.0 76.7	02 07	130 130		
Sample ID:LCS-65186SampType:LCSTestCode:SVOC-EPA53Units: $\mu gl/L$ Prep Date:5Client ID:LCSWBatchID:65186TestNo:E537.1E537.1F337.1Analysis Date:5AnalyticResultPCLSPK valueSPK Ref Val%RECLowlimitHighPerfluorobutanesuffonic acid (PFMs)0.03300.004000.03540090.770Perfluorobutanesuffonic acid (PFMs)0.03350.004000.03550090.770Perfluorobutanesuffonic acid (PFMs)0.03360.004000.03704090.770Perfluorobutanesuffonic acid (PFNA)0.03360.004000.03704090.770Perfluorobutanesuffonic acid (PFNA)0.033740.004000.0400090.770Perfluoroprotenesuffonic acid (PFNA)0.033740.004000.0400097.870Perfluoroprotenesuffonic acid (PFNA)0.033740.004000.0400097.870Perfluoroprotenesuffonic acid (PFNA)0.033740.004000.0400097.870Perfluoroprotenesuffonic acid (PFNA)0.033740.004000.0400097.670PutilitersiSurr: 13C2+FFMA0.03580.004000.0400093.670Surr: 13C2+FFMA0.03540.03560.0400093.670Surr: 13C2+FFMA0.03580.034000.0400093.670Surr: 13C2+FFMA0.03580.034000.04				2	0		
Client ID:LCSWBatchID:Es186TestNo:E337.1 $E337.1$ Analysis Date:Janelysis Date: <th< td=""><td>SampType: LCS Test</td><td>Code: SVOC-EPA53 Units: µg/L</td><td></td><td>Prep Date:</td><td>6/11/2023</td><td>RunNo: 164231</td><td></td></th<>	SampType: LCS Test	Code: SVOC-EPA53 Units: µg/L		Prep Date:	6/11/2023	RunNo: 164231	
AnalyteAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighPerfluorobutanesulfonic acid (PFBS) 0.0330 0.00400 0.03540 0 93.2 70Perfluorobutanesulfonic acid (PFDA) 0.0330 0.00400 0.03550 0 93.2 70Perfluorobutanesulfonic acid (PFNA) 0.0330 0.00400 0.03550 0 95.6 70Perfluorobutanesulfonic acid (PFNA) 0.0326 0.00400 0.03704 0 90.7 70Perfluorobutanesulfonic acid (PFNA) 0.0326 0.00400 0.04000 0.04000 $0.788.1$ 70Perfluorobunanoic acid (PFNA) 0.0326 0.00400 0.04000 0.04000 $0.788.7$ 70Sur: 13C2-PFDA 0.0324 0.00400 0.04000 0.04000 0.04000 93.6 70Sur: 13C2-PFDA 0.0372 0.04000 0.04000 93.6 70Sur: 13C2-PFDA 0.0372 0.04000 0.04000 93.6 70Sur: NETFOSA-d5 0.0372 0.04000 0.04000 93.6 70Sur: NETFOSA-d5 0.130 0.04000 0.04000 93.6 70Sur: NETFOSA-d5 0.0372	BatchID: 65186 Te	stNo: E537.1 E537.1	4	nalysis Date:	123/2023	SeqNo: 4375981	
Perfluorobutanesulfonic acid (PFBS) 0.0330 0.00400 0.03550 0 93.2 70 Perfluorobutanesulfonic acid (PFNs) 0.0349 0.00400 0.03650 0 90.7 70 Perfluoroctanoic acid (PFNs) 0.0363 0.00400 0.03650 0 90.7 70 Perfluoroctanoic acid (PFNs) 0.0326 0.00400 0.03650 0 90.7 70 Perfluoroctanoic acid (PFNs) 0.0326 0.00400 0.03704 0 90.7 70 Perfluoropropylene acid (PFNs) 0.0337 0.00400 0.04000 0.3704 0 90.7 70 Surr: 13C2-FFDA 0.0374 0.00400 0.04000 0.04000 70 93.6 70 Surr: 13C2-FFLAA 0.0372 0.04000 0.04000 93.6 70 Surr: 13C2-FFLAA 0.0372 0.04000 9.3.6 70 Surr: 13C2-FFLAA 0.0372 0.04000 93.6 70 Surr: 13C2-FFLAA 0.0372 0.14000 93.6 70	Result	SPK value SPK Ref Val	%REC	LowLimit High	thimit RPD Ref Val	%RPD RPDLimit	Ottal
Perfluoroltexarresulfonic acid (PFHxS) 0.0349 0.034650 0 95.6 70 Perfluorobtexarresulfonic acid (PFOA) 0.03533 0.00400 0.04000 0 90.7 70 Perfluorooctancic acid (PFOA) 0.03368 0.00400 0.03704 0 97.8 70 Perfluorooctanesulfonic acid (PFOA) 0.03391 0.00400 0.04000 0 97.8 70 Perfluorooctanesulfonic acid (PFOA) 0.03391 0.00400 0.04000 0 97.8 70 Havafluoropropylene oxide dimer acid 0.03340 0.00400 0.04000 0 94.9 70 Surr: 13C2-PFDA 0.0374 0.0340 0.0340 70 93.6 70 Surr: 13C2-PFDA 0.0372 0.04000 0.04000 93.6 70 Surr: 13C2-PFDA 0.0374 0.03400 0.04000 93.6 70 Surr: 13C2-PFDA 0.0372 0.04000 0.04000 93.6 70 Surr: NETFOSA-d5 0.1300 0.1600 93.6 70 <td>(PFBS) 0.0330 0.00400</td> <td>0.03540 0</td> <td>93.2</td> <td>02</td> <td>130</td> <td></td> <td></td>	(PFBS) 0.0330 0.00400	0.03540 0	93.2	02	130		
Pertiluorooctanoic acid (PFOA) 0.0363 0.00400 0.04000 0.04000 0.03704 0 90.7 70 Perfluorooctanesulfonic acid (PFOS) 0.0326 0.00400 0.03704 0 88.1 70 Perfluorooctanesulfonic acid (PFOS) 0.0336 0.00400 0.03704 0 97.8 70 Perfluorooctanesulfonic acid (PFNA) 0.0337 0.00400 0.04000 0 97.8 70 Haxafiluoropropylene oxide dimer acid 0.0358 0.00400 0.04000 0 84.9 70 Surr: 13C2-PFIDA 0.0374 0.04000 0.04000 0.04000 93.6 70 Surr: 13C2-HFHwA 0.0372 0.04000 0.04000 0.04000 70 93.6 70 Surr: 13C2-HFHwA 0.0372 0.04000 0.04000 9.1600 93.6 70 Surr: 13C2-HFHwA 0.0372 0.04000 9.3.6 70 70 Surr: 13C2-HFMA 0.0372 0.04000 9.3.6 70 70 Surr: 13C2-	(PFHxS) 0.0349 0.00400	0.03650 0	92.6	70	130		
Perthuorooctanesulfonic acid (PFOS) 0.0326 0.00400 0.03704 0 88.1 70 Perfluoronoranoic acid (PFNA) 0.0331 0.00400 0.04000 0.04000 0 97.8 70 Hexafluoronoranoic acid (PFNA) 0.0331 0.00400 0.04000 0 97.8 70 Surr: 13C2-PFDA 0.0358 0.00400 0.04000 0 84.9 70 Surr: 13C2-PFHxA 0.0374 0.04000 0.04000 0.04000 70 89.6 70 Surr: 13C2-PFHxA 0.0372 0.04000 0.04000 70 93.6 70 Surr: 13C2-HFPA 0.0372 0.04000 0.04000 70 93.6 70 Surr: 13C2-HFPA 0.0372 0.04000 9.3.6 70 70 70 Surr: 13C2-HFPO-DA 0.0372 0.04000 0.16000 9.1.3 70 Surr: 13C2-HFPO-DA 0.0372 0.16000 9.3.6 70 70 Surr: NETFOSAA-d5 0.1300 0.1600 9.1.	0.0363 0.00400	0.04000 0	90.7	20	130		
Pertuoronnanoic acid (PFNA) 0.0391 0.00400 0.04000 0 97.8 70 Hexafluoropropylene oxide dirner acid (0.0358 0.04000 0 84.9 70 Surr: 13C2-PFDA 0.0358 0.04000 0.04000 0 89.6 70 Surr: 13C2-PFDA 0.0374 0.0374 0.04000 89.6 70 Surr: 13C2-HFPA 0.0374 0.04000 0.04000 93.6 70 Surr: 13C2-HFPA 0.0372 0.04000 93.6 70 Surr: 13C2-HFPA 0.0372 0.04000 91.3 70 Surr: 13C2-HFPA 0.0372 0.04000 91.5 70 Surr: 13C2-HFPA 0.0372 0.04000 91.3 70 Surr: NETFOSA-d5 0.0372 0.1600 91.3 70 Surr: NETFOSA-d5 0.0372 0.1600 91.3 70 Surr: NETFOSA-d5 0.1600 0.1600 91.3 70 Marrist B Analyre detected in the associated Method Blank E Valu	(PFOS) 0.0326 0.00400	0.03704 0	88.1	70	130		
Hexathuoropropylene oxide dimer acid (0.0340 0.04000 0 84.9 70 Surr: 13C2-FFDA 0.0358 0.04000 89.6 70 Surr: 13C2-FFHxA 0.0374 0.04000 89.6 70 Surr: 13C3-HFPO-DA 0.0372 0.04000 81.3 70 Surr: 13C3-HFPO-DA 0.0372 0.04000 81.3 70 Surr: NETFOSAA-d5 0.130 0.1600 81.3 70 Nr: Netrecled to the associated Method Blank E Value above quantitation range 1 J Analyte detected below quantitation limits M Manual Integration used to determine area response N Nn Not Datased Not Datased Not Not Not Not Not<	A) 0.0391 0.00400	0.04000 0	97.8	70	130		
Surr. 1302-FFIxA 0.0358 0.04000 89.6 70 Surr. 1302-FF1xA 0.0374 0.04000 93.6 70 Surr. 1303-HFPO-DA 0.0372 0.04000 93.6 70 Surr. 1303-HFPO-DA 0.0372 0.04000 93.6 70 Surr. NETFOSAA-d5 0.130 0.1600 91.3 70 Value for the sociated Method Blank E Value above quantitation range 1 J Analyre detected below quantitation limits M Manual Integration used to determine area response N Nn Not Datased Not Datased M Manual Integration used to determine area response N	ner acid (0.0340 0.00400	0.04000 0	84.9	70	130		
Surr. 13C2-FFHxA 0.0374 0.04000 93.6 70 Surr. 13C3-HFPO-DA 0.0372 0.04000 93.0 70 Surr. NETFOSAA-d5 0.0372 0.04000 93.0 70 Surr. NETFOSAA-d5 0.130 0.1600 91.3 70 Surr. NETFOSAA-d5 0.130 0.1600 91.3 70 Qualifiers: B Analyre detected in the associated Method Blank E Value above quantitation range J Analyre detected below quantitation limits M Manual Integration used to determine area response N	0.0358	0.04000	89.6	70	130		
Surr. 13C3-HFPO-DA 0.0372 0.04000 93.0 70 Surr. NETFOSAA-d5 0.130 0.1600 81.3 70 Surr. NETFOSAA-d5 0.130 0.1600 81.3 70 a 2.1600 81.3 70 81.3	0.0374	0.04000	93.6	20	130		
Surr. NETFOSAA-d5 0.130 0.1600 81.3 70 Relation 81.3 70 81.3 70 Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits M Manual Integration used to determine area response	0.0372	0.04000	93.0	20	130		
Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits M Manual Integration used to determine area response	0.130	0.1600	81.3	20	130		
Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation rauge J Analyte detected below quantitation limits M Manual Integration used to determine area response M ND Not Obstanced M Manual Integration used to determine area response M			2	2	001		
J Analyte detected below quantitation limits M Manual Integration used to determine area response NIN Not Detected	elected in the associated Method Blank	E Value above quantitation ra	nve		H Holding times for a		
	etected below quantitation limits ted	M Manual Integration used to o	determine area	response N	AC Value is below Min P Second column ron	imum Compound fimum compound	Origin
PL Permit Limit RPD outside accepted recovery limits	nit	R RPD outside accepted recov	'ery limits	1	CL Reporting Detection	i l'imit	

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	A Constant of the second of th	invironmental Technologies, Inc. 3310 Win St. Cuyahoga Falts, Ohio 4423 253-8211 FAX: (330) 253-4489 Wehstie: <u>http://www.senek.com</u>			QC SUM	MARY REPC WO#: 2305	JRT 50703 <i>un-23</i>
Client: MAS. Project: 3E010	l Environmental Services 037				BatchID: 6	5220	
Sample ID: MB-65220 Client ID: PBW	SampType: MBLK BatchID: 65220	TestCode: AphaBeta_D Uni TestNo: E900.0	ts: pCi/L	Prep D	ate: 5/18/2023	RunNo: 164240	
Analyte	Result	PQL SPK value SPK Re	f Val %RE	Analysis U.	ate: 5/19/2023 Hinht imit: RPD Ref Val	SeqNo: 4376198	
ALPHA, Gross BETA, Gross	dn dn	3.00 4.00					Cual
Sample ID: LCS-65220	SampType: LCS	TestCode: AlphaBeta D Unit	s: DCi/L	Pren Da	to: 514812023		
Client ID: LCSW	BatchID: 65220	TestNo: E900.0 E90		Analysis Da	te: 5/19/2023	Ruino: 164240 Seann: 4376300	
Analyte	Result	PQL SPK value SPK Rei	Val %RE	C LowLimit	HighLimit RPD Ref Val		Ċ
ALPHA, Gross	11.7	3.00 15.00	04				Gual
BETA, Gross	16.6	4.00 20.00	0 83.1	0/	130 130		
Sample ID: RLC-65220	SampType: RLC	TestCode: AlphaBeta D Units	s: pCi/L	Pren Dat	0. 540 /2002		
Client ID: BatchQC	Batch ID: 65220	TestNo: E900.0 E900		Analysis Dat	ie: 5/19/2023	KUNNO: 164240 SeqNo: 4376201	
Analyte	Result	PQL SPK value SPK Ref	Val %REC	C LowLimit	HighLimit RPD Ref Val	יייי: וחסמ חקק%	Ċ
ALPHA, Gross	Q	3.00 3.000	0 87.6	ED			Minal
BETA, Gross	QN	4.00 4.000	0 89.2	20	150 150		
Qualifiers: B Analyte J Analyte ND Not Dete	detected in the associated Method Blank detected below quantitation limits ected	E Value above quan. M Manual Integration OG1	titation range 1 used to determine	area response	H Holding times for pr MC Value is below Mini	eparation or analy murn Compound	Oriains
PL Permit L	imit	RPD outside accer	sted recovery limits		P Second column cont RL Reporting Detection	irmation exceeds Limit	VIIBIIIA

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New C

	D A A	AL TELINAL AND Summit Environment Environment Environment (1330) 25 Provide 1990 25 Provide 19900 25 Provide 1990 25 Provide 1990 25 Provide 1	ironmental Technologies. 3310 Wi Cuyahogu Falls, Ohio 4. 53-8211 FAX: (330) 253-4 'ebsite: http://www.sertek	Inc. a St. 223 489 com		QC SI	JMMARY REPO wo#: 23050 08-Jul	RT 703 -23
Client: Project:	MASI 3E010:	Environmental Services 37				BatchID:	65242	
Sample ID: N Client ID: P	rB-65242 BW	SampType: MBLK 7 Batch ID: 65242	FestCode: Radium-228 TestNo: E904.0	Units: pCi/L E903-904	Analy	rep Date: 5/18/2023 /sis Date: 5/25/2023	RunNo: 164822 SeqNo: 4396658	
Analyte Radium-228 Yield		Result ND 0.940	PQL SPK value S	sPK Ref Val 0 0	%REC Low 0 0	vLimit HighLimit RPD Re	Val %RPD RPDLimit	Qual
Sample ID: L' Client ID: L Analyte Radium-228 Yield	CS 65242 CSW	SampType: LCS T Batch ID: 65242 Result F 3.82 0.950	estCode: Radium-228 TestNo: E904.0 PQL SPK value S 1.00 5.000	Units: pCi/L E903-904 PK Ref Val 0	Pr Analy %REC Low 76.4	rep Date: 5/18/2023 sis Date: <i>5/25/2023</i> limit HighLimit RPD Ref 70 130	RunNo: 164822 SeqNo: 4396659 Val %RPD RPDLimit	Quai
Sample ID: LC Client ID: LC Analyte	CSD-65242 SSS02	SampType: LCSD 74 Batch ID: 65242 Result F	estCode: Radium-228_ TestNo: E904.0 PQL SPK value SI	Units: pCi/L E903-904 PK Ref Vai	Analys &REC Lowl	ep Date: 5/18/2023 sis Date: 5/25/2023 Limit HighLimit RPD Ref	RunNo: 164822 SeqNo: 4396660 Val %RPD RPD1 imit	
Radium-228 Yield		3.81	.00 5.000	00	76.2 0	70 130 3.	20 0.262 20 20 1.06 1.06	
Qualifiers:	B Analyte d J Analyte d ND Not Deter PL Permit Lii	letected in the associated Method Blank tetected below quantitation limits cted mit	E Value abo M Manual In OG1 RPD outsi	ve quantitation rang tegration used to det de accepted recovery	e ermine area respo limits	H Holding time mse MC Value is belo P Second colur RL Reporting De	s for preparation or analy w Minimum Compound an confirmation exceeds tection Limit	Onigina

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	NUCLEAR NO.	TECHNOLGAES, MC	tviroamental Technologies, 3310 #1. Cuyahoga Falls, Ohio 44	lnc. n St. 1223		QC SUM	MARY REP	ORT
horedaawa .	raiy//68/ L000	TEL: (330) :)	253-8211 FAX: (330) 253-4 Wehsite: <u>http://www.sentek.</u>	1489 <u>conn</u>			WO#: 23 08-	050703 Jun-23
Client:	MASI En	vironmental Services						
rroject:	3EU1037					BatchID: (5242	
Sample ID: RL(C-65242	SampType: RLC	TestCode: Radium-228	_ Units: pCi/L	Ĺ	rep Date: 5/18/2023	RunNo: 164822	
		Batch (D: 65242	TestNo: E904.0	E903-904	Analy	sis Date: 5/25/2023	SeqNo: 4396662	
Analyte		Result	PQL SPK value S	PK Ref Val	%REC Low	ıLimit HighLimit RPD Ref Val	%RPD RPDI in	i.
Radium-228 Yield		ND 1.00	1.00 1.000	00	61.0 0	50 150		
Client ID: Bate	2D-65242 2b00	SampType: RLC	TestCode: Radium-228	. Units: pCI/L	Å	ep Date: 5/18/2023	RunNo: 164822	
		batch (U): 65242	TestNo: E904.0	E903-904	Analys	sis Date: 5/25/2023	SeqNo: 4396663	
Analyte		Result	PQL SPK value SI	⊃K Ref Vał	%REC LowL	Limit HighLimit RPD Ref Val	יייין וחמא מאאי	Č
Radium-228		QN	1.00 1.000	0	97.0	50 150		
Yield		0.870		0	0	2		
Sample ID: 2305	0621-005AMS	SamuTune. MC						
Client ID: Batc	hoc	Batch ID- 65242	Testwore: Kadium-228_	Units: pCi/L	Pre	ap Date: 5/18/2023	RunNo: 164822	
		100547	I estino: E904.0	E903-904	Analys	is Date: 5/25/2023	SeqNo: 4396664	
Analyte		Result	PQL SPK value SF	'K Ref Val	%REC LowL	imit HighLimit RPD Ref Val	2011 June - Mad 20	(
Radium-228		3.61	1.00 5.000	0	C C L			Gual
Yield		0.960		0.9900	10	190		
				λ.				
Qualifiers: B	Analyte detect	ted in the associated Method Blank	E Vahie abov	e attantitation muse				
L NL	Analyte detect	ted below quantitation limits	M Manual Inte 0G1	egration used to dete	umine area respoi	 H. Holding times for pa hse MC Value is below Mini P. Second column coort 	eparation or analy mum Compound	Original
T _d	Permit Limit		R RPD outsid	e accepted recovery	limits	RL Reporting Detection	Limit)

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Need Need



Qualifiers and Acronyms

WO#:	23050703
Date:	6/8/2023

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These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDI
J	The reported value is greater than the Method Detection Limit but loss than the Detection Limit but loss tha
H	The hold time for sample preparation and/or applying men of the Nick and the Reporting Limit.
D	The result is reported from a dilution
E	The result exceeded the linear range of the calibration or is activated due to its f
MC	The result is below the Minimum Compound Limit
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit
m	Manual integration was used to determine the area response
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1st marked
Р	The second column confirmation exceeded 25% difference
С	The result has been confirmed by GC/MS.
Х	The result was not confirmed when GC/MS Analysis was performed
B	The analyte was detected in the Method Blank at a concentration greater than the DI
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDI
G	The ICB or CCB contained reportable amounts of analyte
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+)
QLR	The LCS/LCSD RPD was outside of accepted recovery limits
QM-/+	The MS or MSD recovery failed low (-) or high (+)
QMR	The MS/MSD RPD was outside of accented recovery limits
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits
W	Somplay uses associated with the second state of the second states

W Samples were received outside temperature limits (0° - 6° C). Not Clean Water Act compliant.
 Z Deviation: A deviation from the method was performed: Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOO	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	POL	Practical Quantitation Limit
QCS	Quality Control Sample	CROL	Contract Remired Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	Reg1 vI	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanstrais
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Commons
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Sending Laboratory:	ASI SUBCONTRACT ORDER	Page]
Mobile Analytical Services, Inc. 7940 Memorial Dr Plain City, OH 43064 Phone: 614-873-4654	Subcontracted Laborator Summit Environmental Technologies (5626) 3310 Win Street Cuyahoga Falls, OH 44223 Phone: (330) 253-8211	

Jr.

Work Order: 3E01037

Anatysis		Expires	Method	Commente
Sample ID; 3E01037-01	Potable	Sampled: 05/05/2023	07.10	Colaments
C8-PFOA/PFOS Radium-228 Gross Beta Gross Alpha		05/19/2023 07:30 11/01/2023 07:30 11/01/2023 07:30 11/01/2023 07:30		1
Containers Supplied: Ц				Cpm-le

2

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4.870.1-1 2001er 000 5/8/23 Date Released By Received By Date

Page 1 of 1 7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654

Page 14 of 16

3E01037-01-03 æ New Well Analysis Request Sheet ENVIRONMENTAL LABORATORIES Analysis Request (AR) Number Must Appear on Boule: 927199 7940 Memorial Drive Plain City, OH 43084 614-873-4854 ** See reverse for important SDS information ** Client #: 1384 Client Name: Mat'l Water Services P.O.#076439 County: Althan Sampler Name: Grant Hearon SMP TO RSOOD Sample Type/Class: New Well/Special Sample Tap: Smooth Nose Copera Date Collected: 5/c/23 Time Collected 7:30 An Tap Address: 15025 Lockbourne Eastern RO Astiville OH 4 RACI- hal 43130 () Public Sample) PWS ID #: OH6500012 () Facility ID #: 124 () (New Well Trans) Transient Noncommunity () (New Well Nontrans) Nontransient-Noncommunity PFAS (3 bottles) (New Well Comm) Community Water Systems + Work Order **Microbiological Tests** 3E01043 -01 Time Collected Office Use Only) () 140 Total Coliform #1 7:30 AM hh:mm am/pm 02 () 140 Total Coliform #2 \$ 00 AM hh:mm am/pm Office Use Only: \ FD 0915 5-5-23 î Route Office/Lab REVISED 3/19 DN COOLER:

Page 2 of 2

	WHOMMENTAL TECHNOLOGY	FS, INC Cuya TEL: (330) 253-821 Websita	thoga Falls, Ohio 4 11 FAX: (330) 253- 1: <u>http://www.settek</u>	4223 Sam 4489 t.com	ple Log-In Check	Lis
Client Name:	MAS-OH-43017	Work Order Numb	er: 23050703		RcptNo: 1	
Logged by:	Anthony W. Britton	5/9/2023 10:00:00 /	AM	anthony	Butter	
Completed By	Anthony W. Britton	5/9/2023 6:01:02 PI	м	anthory	Butter	
Reviewed By:	Brìan J. Fackelman	5/10/2023 6:10:37 F	2M	Blan		
Chain of Cu	stody			10		
1, Is Chain o	f Custody complete?		Yes		Not Brogert	
2. How was t	he sample delivered?		Summit			
Log In						
Coolers ar	e present?		Yes 🖌	No 🗌		
4. Shipping c	ontainer/cooler in good cond	ition?	Yes 🔽	No 🗍		
Custody se	eals intact on shipping contai	ner/cooler?	Yes	No 🗍	Not Present	
No.	Seal Dat	8'	Signed By		HOLT IOSOIL [9]	
5, Was an at	tempt made to cool the samp	les?	Yes 🗹	No 🗍	NA	
6. Were all sa	amples received at a tempera	ature of >0° C to 6.0°C	Yes 🖌	No []		
7. Sample(s)	in proper container(s)?		Yes 🖌	No 🗋		
8. Sufficient s	ample volume for indicated t	est(s)?	Yes 🖌	No 🗌		
9. Are sample	es (except VOA and ONG) pr	operly preserved?	Yes 🗹	No []		
10, Was prese	rvative added to bottles?		Yes	No 🗹	NA 🗌	
11. Is the head	space in the VOA vials less t	han 1/4 inch or 6 mm?	Yes	No 📑		
2. Were any s	ample containers received b	roken?	Yes 🗍	No 🗹		
13. Does paper (Note discre	work match bottle labels?)	Yes	No []		
4. Are matrice	s correctly identified on Chai	n of Custody?	Yes 🔽	No 🗍		
5. Is it clear w	hat analyses were requested	?	Yes 🕅	No 🗍		
6. Were all ho (If no, notify	Iding times able to be met? customer for authorization)		Yes 🗹	No 🗌		
pecial Hand	lling (if applicable)					
7. Was client r	notified of all discrepancies w	ith this order?	Yes	No 🗌	NA 🔽	
Persor	Notified:	Deter	r		,,,,,	
By Wh	om;	Via-	PeMait (T) t			
Regard	ding:	v (d,			_j in Person	
Client	Instructions:	Contract of the second second second				

Nen

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Not Present			Signed by



INVOICE

Please refer to this invoice number on your remittance:

Date	Involce No.
06/09/2023	3230845

Remit To:

Accounts Receivable 7940 Memorial Dr. Plain City, OH 43064

National Water Services LLC (1384) Client # 1384 Accounts Payable 524 North East Third Street PO Box 230 Paoli, IN 47454 (614) 492-9282 Client PO : 076439

Bill to:

Date Received: 05-May-23

Date Reported: 09-Jun-23

Korder: 3E01037		P.O. Number: 076439	Received Date: 5/5/2023		
Lab#	AR Ref#	Analysis Requested		Price	
3E01037-01	927199			11100	
		Antimony, Total 200.8		\$0.00	
		C8-PFOA/PFOS	*	\$0.00	
		New Well Comm		\$1,351.85	
		Selenium, Total by 200.8		\$0.00	
		Thallium, Total 200.8		\$0,00	
		Turbidity, Metals Check		\$0.00	

Terms:	DUE UPON RECEIPT	Surcharge:	\$0.00	
		Total:	\$1,351,85*	1

Payments will not be processed without reference to Invoice number 3230845 on your check.

On January 1, 2023, MASI enacted a 8.5% price increase. This increase will allow us to continue to provide our clients the quality service they expect, and which MASI's dedication to quality demands. Please direct any questions, to our Sales Manager, Bridget Troesch (bridget@masilabs.com).

*A service fee of 3% of the total amount owed will be charged for payments made by credit card.



Date: May 08, 2023

National Water Services LLC (1384) Attn: Matt Barnes Po Box 369 Groveport, OH 41325

RE: Certificate of Analysis for Project - Public Drinking Water

The following report contains analytical results for samples submitted on the chain of custody dated May 05, 2023.

I have reviewed the validity of the analytical data generated. All data is reported in accordance to our laboratory QA/QC plan. Any exceptions are noted in the Case Narrative or with qualifiers in the report.

If you have any questions or need additional documentation, please contact our Office.

Sincerely,

Cheryl Rey

Cheryl Rex MASI Laboratories QA/QC Officer cheryl@masilabs.com (614) 873-4654



revice

Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes Po Box 369 Groveport, OH 41325

Sampler Name: Grant Herron

Sample Type: SP

Sample Date/Time: 5/5/23 07:30

Sample Monitoring Point: RS0006

Client #: 1384 PO Number: 076439 Date Received: 5/5/23 15:40 Ohio EPA Analyzed Date: 5/8/23 13:37

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L): Sample Tap/Address: Smooth Nose Copper 15025 Lockbourne Eastern Rd Ashville OH At WellField 43130

Sample ID: 927199-01 Lab Sample # : 3E01043-01 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Microbiology									
Total Coliform	Absence	/ 100 ml		N/A	N/A	05/05/23 14:27	05/06/23 11:05	KRM	SM 9223 B

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

7940 Memorial Drive Plain City, Ohio 43064 (614) 873-4654



Microbiological/inorganic Certification - 877 Organic Certification - 4100

National Water Services LLC Matt Barnes Po Box 369 Groveport, OH 41325

Sampler Name: Grant Herron

Sample Type: SP

Sample Date/Time: 5/5/23 08:00

Sample Monitoring Point: RS0006

Client #: 1384 PO Number: 076439 Date Received: 5/5/23 15:40 Ohio EPA Analyzed Date: 5/8/23 13:37

PWSID: OH6500012 Facility ID: WL0006 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L): Sample Tap/Address: Smooth Nose Copper 15025 Lockbourne Eastern Rd Ashville OH At WellField 43130

Sample ID: 927199-02

Lab Sample # : 3E01043-02 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Microbiology									
Total Coliform	Absence	/ 100 ml		N/A	N/A	05/05/23 14:27	05/06/23 11:05	KRM	SM 9223 B

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Page 3 of 5


OhioEPA Ambient Ground W Ground Wa	ater Qua	ality Mor Quali	nitoring Pro ty Res	gram ults	Charge Balance Error +0.5%	Analyte Count Analyte Detect	on Sheet 30 ed Count 17
Station Name Ashville Welffield Well Nu	ım 4	Ambler	nt Well ID 39P	IC08945 Samp. Sta	tus Standby	PWS	ID OH6500012
Sample Num 171011 Sample Date/Time 10/2	8/2014 10	:30:00 Sa	mpler Byerly.	Sarah s	ample Type	Due	
Chem. Sheet ID 12605 Matrix Ground Water	Sheet Statu			Country Diskourses	mi s i s	norganic oup	er de code MON
	Sheet Store	Approve	ed	ounty Pickaway	District	CDO Well	Log # 831788
Well Depth (ft) 141 Casing Length (ft) 70 Lith.	Open Sectio	on Sand a	nd Gravel	Aajor Lith. Unconsolic	lated A	quifer Name Wa	InutCreek
	Result	/Unit	Reporting	Commont		h Damad	
FieldDoverseter		,	limit	connient	Lo	ab Kemark	Lab iviethod
rieiuParameter	3						
Oxidation Reduction Potential (ORP)	-110	mV	N/A				1
Specific conductance	7.03	SU	N/A				
Temperature water	706	umhos/cm	N/A				
Total Dissolved Solids (TDS) Field	13	deg C	N/A				
Motals ICD	402	mg/L	N/A				
wietais-icp							
Aluminum	ND		200 ug/L				USEPA 200.7
Calalum	156	ug/L	15 ug/L				USEPA 200.7
Chromium	86.1	mg/L	2 mg/L				USEPA 200.7
Conner	ND		2 ug/L				USEPA 200.8
Hardness Co + Ma	ND		2 ug/L				USEPA 200.8
Iron	346	mg/L	10 mg/L				USEPA 200.7
Lead	1 10/0	_ug/L	50 ug/L	> SMCL (0.3 mg/L)			USEPA 200.7
Magnesium	21.7		2 ug/L				USEPA 200.8
Manganese	51.7	mg/L	<u>1 mg/L</u>				USEPA 200.7
Nickel	ND	ug/L	10 ug/L	> SIVICL (0.05 mg/L)			USEPA 200.7
Potassium	ND		2 ug/L				USEPA 200.8
Sodium	20.7	mg/l	2 mg/L				USEPA 200.7
Strontium	7020	11g/1	300 ug/l				USEPA 200.7
Zinc	ND	чь/с	10 ug/L				USEPA 200.7
Metals-ICPMS			10 08/1				USEPA 200.7
Arsenic	1 0 7						
Cadmium	ND	ug/L	2 ug/L	83.0% of MCL (0.01 r	ng/L)		USEPA 200.8
Selenium	ND		0.2 ug/L				USEPA 200.8
Nutrients Demand			2 Ug/L				USEPA 200.8
Ammente Demand	1						
Ammonia	0.64	mg/L	0.05 mg/L		-		USEPA 350.1
Chemical Oxygen Demand (COD)	ND		2 mg/L				SM 5310B
Nitrate+Nitrite as N	ND ND		20 mg/L				SM 5220D
Nitrogen, Total Kieldahl (TKN)	0.69		0.1 mg/L				USEPA 350.1
Phosphorus	ND	mg/L	0.2 mg/L				USEPA 351.2
Inpreserved			0.01 mg/L				USEPA 365.4
Aukannity, lotal	315	mg/L	5 mg/L				USEPA 310.1
Sharida	59.9	ug/L	40 ug/L				USEPA 300.1
luoride	12	mg/L	5 mg/L	λ)			USEPA 325.1
ulfate	1.04	mg/L	0.2 mg/L	52.0% of SMCL (2 mg	/L)		SM 4500-FC
Fotal Dissolved Solide	54.9	mg/L	10 mg/L				USEPA 375.2
	424	mg/L	10 me/i	E. C.		1	

Explanations Results color fields ND: Non Detect Colored fields highlight results greater than Drinking Water compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.	Sky Blue Organic samples only: indicates a detect Tan Exceeds Action Level (lead and copper only) Violet Exceeds Secondary MCL Brick Red Exceeds Primary MCL Yellow CBE exceeds +/- 5%
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Mike DeWine, Governor Jon Husted, Lt. Governor Laurie A. Stevenson, Director

May 10, 2022

Jim Welsh jwelsh@ashvilleohio.gov Utility Operator 200 East Station Street Ashville, Ohio 43103 RE: Ashville Village PWS Report Ambient Ground Water Quality Monitoring Program Pickaway County PWSID: OH6500012

Subject: Results for Spring 2021 Ambient Ground Water Quality Monitoring Event

Dear Mr. Welsh:

Ohio EPA's Division of Environmental Services (DES) has completed the laboratory analysis of the ground water samples that were collected on 5/19/2021 from Ashville Well 3. Samples are collected at your well as part of Ohio EPA's Ambient Ground Water Quality Monitoring Program (AGWQMP).

The purpose of the AGWQMP is to collect raw water data to characterize general ground water quality statewide and evaluate the quality of the source water used by ground water-based public water systems. The results represent raw water and cannot be used to fulfill any drinking water regulatory requirement, nor do they represent finished water quality. The results from the recent sample are summarized in the attached Ground Water Quality Results report. An exceedance of a finished water benchmark is indicated by a color-code.

If the attached Ground Water Quality Results report includes values greater than benchmarks, you may consider comparing them to previous results for this well using the attached ground water quality time series plots and the attached Ground Water Well Summary reports. The applicable benchmarks for the parameters analyzed are summarized in the attached document titled, "Maximum Contaminant Level (MCL), Secondary MCL (SMCL), Action Level (AL), and Health Advisory (HA) Values for Parameters Included in the AGWQMP".

When these results are combined with results from previous AGWQMP sampling, they may guide you in identifying potential raw water changes and provide information on source water treatability or usability. If values greater than the benchmark are consistent with past results or represent an increasing trend, additional evaluation may be warranted to determine if your treatment is reducing your finished water concentrations to levels below the benchmarks.

If you are concerned about the current levels in your source water, please call your drinking water inspector or AGWQMP sampler to discuss options for further evaluation. Information on health effects and treatment can be found at:

EPA Drinking Water Treatability Data Base: https://iaspub.epa.gov/tdb/pages/general/home.do

We thank you for your interest and participation in the AGWQMP and hope the results provided are useful. If you have any questions, please do not hesitate to contact me at Sydney.Funk@epa.ohio.gov. Additional information about Ohio EPA's Ambient Ground Water Quality Monitoring Program, including water quality summary reports and an interactive map, are available at our webpage:

https://oepa.maps.arcgis.com/apps/webappviewer/index.html?id=b39b9cbeb3834e9ca598d96 8d16333ce

Thank you for your participation.

Sincerely,

Sydney Funk

Sydney Funk Geologist Division of Drinking and Ground Waters

Attachments: Ground Water Quality Results MCL, SMCL, AL, and HA Values for Parameters Included in the AGWQMP Benchmark Table Approach for Evaluating Results that Exceed Benchmarks Using Time Series

Approach for Evaluating Results that Exceed Benchmarks Using Time Series

If your results include elevated results, we recommend that you view the time series for your well by following the steps below.

1. Open the Ambient Ground Water Quality Monitoring Program (AGWQMP) Interactive Map at the bottom of the Ambient Monitoring tab:

https://oepa.maps.arcgis.com/apps/webappviewer/index.html?id=b39b9cbeb3 834e9ca598d968d16333ce

- 2. To view the time series for your well, locate your well in Ohio and right click on it. This brings up a pop-up box with information about your well and links to three reports:
 - inorganic results summary;
 - organic results summary; and
 - time series.
- 3. The time series plots all the results in the order of collection.

Ambient	Ground Water Qua	lity Monito	ring Program	Charge		prosense.
Grou	ind Water	Qual	ity Results	Error	Analyte Count on S	iheet 31
Protection Agency Inorgan	ic results from rav	v, untreate	d Ambient well wat	er -2.8%	Analyte Detected (Count -1
tation Name Ashville Wellfield	Well Num 3	Ambie	nt Well ID 39PIC08888	Samp. Status ActiveS	tandard PWS ID	OH6500012
ample Num 21050310-0; Sample Da	ate/Time 5/19/2021 1	1:30:00 Sar	npler Poole, Sydney	Sample Type Ino	rganic QC Code	None
hem. Sheet ID 15469 Matrix Grou	ind Water Sheet Sta	atus Approv	red County Pic	kaway District	CDO Well Log	# 266009
Vell Depth (ft) 74 Casing Length (ft	t) 64 Lith. Open See	ction Sand a	nd Gravel Major Lith.	Unconsolidated	quifer Name EastCo	olumbus
FieldParameter		Reporting	Primary/Secondary/	Health Advisory		
Ovidation Reduction Potential (OPP)	Result/Unit	Limit	Action Lim. Benchmarks	Benchmarks	Lab Remark	Lab Method
nH	7.32				_	
Specific Conductance	679	I N/A				
Temperature water	16.6					
Total Dissolved Solids (TDS) Field	469	N/A			ValueBetweenQL-Std	
Motole ICD	100	N/A				
Ivietals-ICP						
Aluminum	ND	200 ug/L			ValueBetweenQL-Std	401.1 (200.7/6010
Barium	131	15 ug/L	· · · · · · · · · · · · · · · · · · ·			401.1 (200.7/6010
Boron	ND	200 ug/L			Value8etweenQL-Std	401.1 (200.7/6010
Calcium	87.3	2 mg/L				401.1 (200.7/6010
Chromium	ND	2 ug/L			Value8elowQCStandar	460.1 (200.8/6020
Copper	ND	2 ug/L			ValueBetweenQL-Std	460.1 (200.8/6020
Hardness, Ca + Mg	349	10 mg/L				401.1 (200.7/6010
Iron	1930	50 ug/L	> SMCL (0.3 mg/L)			401.1 (200.7/6010
Lead	ND	2 ug/L			ValueBelowQCStandard	460.1 (200.8/6020
Magnesium	31.9	1 mg/L				401 1 (200.7/6010
Manganese	60.8	10 ug/L	> SMCL (0.05 mg/L)			401.1 (200.7/6010
Nickel	ND	2 ug/L			Value8etweenQL-Std	460.1 (200.8/6020
Potassium	ND	2 mg/L			Value8etweenQL-Std	401.1 (200.7/6010
Sodium	20.3	5 mg/L				401.1 (200.7/6010
Strontium	6440 *	150 ug/L		LT = 4000		401.1 (200.7/6010
Zinc	ND	10 ug/L			ValueBelowQCStandar	401.1 (200.7/6010
Metals-ICPMS						
Arsenic	11.9	2 110/1	> MCL (0.01 mg/L)			460.1 (200.8/6020
Cadmium	ND	0.2 ug/L			ValueBelowOCStandar	460.1 (200.8/6020
Selenium	ND	2 ug/L			ValueBelowQCStandar	460.1 (200.8/6020
Nutrients-Demand						
Ammonia	0.545	0.05 mg/L		1	1	250.4 (350.1)
Carbon, Total Organic (TOC)	ND	2 mg/L		1	ValueBetweenOL-Std	335.3 (SM 5310C)
Chemical Oxygen Demand (COD)	ND	20 mg/L			Value8elowOCStandard	320.4 (SM 5220D)
Nitrate+Nitrite	ND	0.1 mg/L			ValueBelowQCStandar	250.8 (USEPA Red
Nitrogen, Total Kieldahl (TKN)	0.743	0.3 mg/L	1			250.6 (351.2)
Phosphorus	0.0231	0.01 mg/L				260.8 (365.4)
Unpreserved						
Alkalinity, Total	343	5 mg/l	Ĩ	Î.	ĵ î	220,1 (310 1)
Bromide	ND	100 μσ/1		1	ValueBetweenOL 54-	290.1 (300 1)
Chloride	15.7	5 mg/l	1	1	valuebetweenut-Std	230.2 (325 1)
Fluoride	0.852	0.1 mg/i				290.1 (300.1)
Sulfate	51.5	10 mg/l		1		270.3 (375 2)
Total Dissolved Solids	424	10 mg/l		1		130,2 (USGS 1-175
		1		the second se		

d.

4/4/2022

												Je.
Ohio Environmental Protection Agency	Ambient G Groui Inorganic	iround V nd W results	Vater Quality Vater Q from raw, ui	Monito Ual htreate	ring Progra ity Re d Ambien	sults t well wate	er	Charge Balance Error N/A	Analyte (Analyte I	Count on S	heet ount	67 -1
tation Name Ashville We	llfield	Well	Num 3	Ambie	nt Well ID 3	9PIC08888	Samp. Sta	tus ActiveSt	andard	PWS ID	0H6500	012
ample Num 21050210 0	Sample Date	/Time 5	/19/2021 11-30	00 Sar	noler Poole	Sydney	Samo			C Code	None	
21050310-0	Antelia Contra	1111-1-1-5	Choot Status	.00 00	inpier (toole)	Country Die		Plante		le coue	None	
nem. Sneet ID 15470 h	Groun	a water	Sheet Status	Approv	red	County Pic	каwау	District	CDO	well Log	# 2660	09
/ell Depth (ft) 74 Casi	ng Length (ft)	64 Li	th. Open Section	Sand a	nd Gravel	Major Lith.	Unconsolid	ated	quifer Name	EastCo	lumbus	
VolatileOrganic			R	eporting	Primary/	Secondary/	Health	Advisory				
2 Dibromo 2 chlaronrona		Result/l	Jnit	Limit	Action Lim	. Benchmarks	Bend	hmarks	Lab Ro	mark	Lab Me	thod
	ne (DBCP)	ND	0	5 Ug/L			1		ValueBelo	wQCStandard	531.0 (624	1/8260
-Mothyl-2-nentanone		ND	1	ug/L			1		ValueBelo	wQCStandard	531.0 (624	1/9260
Mothul 2 pentanone		ND		ug/L	-		1		ValueBelo	wQCStandard	531.0 (624	1/8260
Mothul 2 pentanone		ND	1	ug/L			1		ValueBelo	wQCStandard	531.0 (624	1/8260
-wethyl-z-pentanone		ND	1	ug/L	1		1		QL is estin	hated	531.0 (624	.1/8260
-wetnyi-z-pentanone		ND		ug/L	1		1		QL is estin	hated	531.0 (624	1/8260
cetone		ND	5	ug/L	1		1		QL is estir	lated	531.0 (624	1/0200
cotono		ND	5	ug/L	1		-		ValueBetv	reenQL-Std	531.0 (624	1/8260
cetone		ND	5	ug/L			1		QL is estin	nated	531.0 (624	.1/8260
contentrale		ND	5	ug/L			1		Value8etv	/eenQL-Std	551.0 (624	1/8260
cryionitrite		ND	1	ug/L					ValueBelo	wQCStandard	531.0 (624	.1/8260
enzene		ND	0	5 ug/L	1				ValueBelo	wQCStandard	531.0 (624	1/8260
romotorm		ND	0	.5 ug/L					ValueBelo	wQCStandard	531,0 (624	.1/8260
utyl benzene		ND	0	5 ug/L					ValueBeld	wQCStandard	531.0 (624	.1/8260
utylbenzene, sec-		ND	0	5 ug/L					ValueBelo	wQCStandard	531,0 (624	.1/8260
utylbenzene, tert-		ND	0	5 ug/L	<u> </u>		1		ValueBeio	wQCStandard	531.0 (624	.1/8260
arbon disulfide		ND	1	ug/L					ValueBeło	wQCStandard	531.0 (624	.1/8260
arbon tetrachloride		ND	2	ug/L	ļ		<u> </u>		ValueBelo	wQCStandard	531.0 (624	.1/8260
hlorobenzene		ND	0	5 ug/L	ļ				ValueBelo	wQCStandard	531.0 (624	.1/8260
hlorobromomethane		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	.1/8260
hlorodibromomethane		ND	0	.5 ug/L	Ļ				ValueBelo	wQCStandard	531.0 (624	1/8260
hloroethane		ND	0	.5 ug/L	ļ				ValueBelo	wQCStandard	531.0 (624	.1/8260
hloroform		ND	0	.5 ug/L			ļ		ValueBelo	wQCStandard	531.0 (624	.1/8260
hlorotoluene, 2-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1/8260
hlorotoluene, 4-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	.1/8260
umene		ND	0	5 ug/L			Į		ValueBelo	wQCStandard	531.0 (624	.1/8260
ymene		ND	0	.5 ug/L			<u> </u>		ValueBelo	wQCStandard	531.0 (624	.1/8260
ibromomethane		ND	0	.5 ug/L				_	ValueBelo	wQCStandard	531.0 (624	.1/8260
ichlorobenzene, 1,2-		ND	0	.5 ug/L	ļ		<u> </u>		ValueBelo	wQCStandard	531.0 (624	.1/8260
ichlorobenzene, 1,3-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	.1/826
ichlorobenzene, 1,4-		ND	0	5 ug/L					ValueBelo	wQCStandar	531,0 (624	.1/8260
ichlorobromomethane		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1/8260
ichlorodifluoromethane		ND	0	5 ug/L					ValueBelo	wQCStandard	531.0 (624	1/8260
ichloroethane, 1,1-		ND	0	5 ug/L					ValueBeig	wQCStandard	531.0 (624	.1/8260
ichloroethane, 1,2-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	.1/8260
ichloroethene, trans-1,2-		ND	0	5 ug/L					ValueBelo	wQCStandard	531,0 (624	1/8260
ichloroethylene, 1,1-		ND	0	5 ug/L					ValueBelo	wQCStandard	531.0 (624	1/826
ichloroethylene, cis-1,2-		ND	0	.5 ug/L	1	_			ValueBelo	wQCStandard	531.0 (624	.1/826
ichloropropane, 1,2-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/826
ichloropropane, 1,3-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/826
ichloropropane, 2,2-		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/826
ichloropropene, 1,1-		ND	0	5 ug/L					ValueBelo	wQCStandard	531.0 (624	1/826
ichloropropene, 1,3 cis-		ND	0	5 ug/L					ValueBeld	wQCStandard	531.0 (624	.1/826
ichloropropene, 1,3 trans-		ND	0	.5 ug/L					ValueBeic	wQCStandard	531.0 (624	1.1/826
thyl benzene		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/826
thylene dibromide (EDB)		ND	0	5 ug/L					ValueBelo	wQCStandard	531.0 (624	4.1/8260
exanone, 2-		ND	1	ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/8260
odomethane		ND	1	ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/826
Aethyl bromide		ND	0	.5 ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/8260
lethyl chloride		ND	0	5 ug/L					ValueBelo	wQCStandard	531.0 (624	1.1/8260
Methyl tertiary butyl ether	(MTBE)	ND	1	ug/L					ValueBelo	wOCStandar	531.0 (624	1.1/8260

www.epa.ohlo.gov/ddagw 50 W. Town St., Ste. 700 P.O. Box 1049 Columbus, OH 43216-1049 (614) 644-2752 (614) 644-2909 (fax)

Page 2 of 3

4/4/2022

Chio Environmental Protection Agency	Ground Water Qual Ind Water c results from raw,	ity Monitoring Progr Quality Re untreated Ambier	ram 2Suits nt well water	Charge Balance Error N/A	Analyte Count on Si Analyte Detected Co	heet 67 ount -1
tation Name Ashville Wellfield	Well Num 3	Ambient Well ID	39PIC08888	Samp. Status ActiveSta	andard PWS ID	DH6500012
ample Num 21050310-0: Sample Da	te/Time 5/19/2021 11	:30:00 Sampler Pool	e, Sydney	Sample Type Orga	anic QC Code	None
hem. Sheet ID 15470 Matrix Grou	nd Water Sheet Stat	us Approved	County Picka	way District	CDO Well Log	# 266009
Vell Depth (ft) 74 Casing Length (ft) 64 Lith. Open Sect	ion Sand and Gravel	Major Lith. Ur	consolidated Ac	uifer Name Fast Co	lumbus
VolatileOrganic	Result/Unit	Reporting Primary Limit Action Lin	/Secondary/ n. Benchmarks	Health Advisory Benchmarks	Lab Remark	Lab Method
Mennylene chloride					ValueBelowQCStandard	531.0 (624.1/8260
Propulbanzana a					ValueBelowQCStandard	531.0 (624.1/8260
Sturana					ValueBelowQCStandard	531.0 (624.1/8260
Tetrachloroethane 1117-					ValueBelowQCStandard	531.0 (624.1/8260
Tetrachloroethane, 1,1,2,2					ValueBelowQCStandard	531.0 (624.1/8260
Tetrachloroethylene	ND				value8elowQCStandard	531.0 (624.1/8260
Toluene	ND				ValueBelowQCStandard	531.0 (624.1/8260
Frans-1.4-Dichloro-2-butene	ND	1 ug/l			OL is estimated	531.0 (624.1/8260
Frans-1.4-Dichloro-2-butene	ND	1 ug/L			ValueBelowOCStandard	531.0 (624.1/8260
Trans-1,4-Dichloro-2-butene	ND				OI is estimated	531.0 (624.1/8260
Trans-1,4-Dichloro-2-butene	ND		1		ValueBelowOCStandard	531.0 (624.1/8260
Trichlorobenzene, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624.1/8260
Trichloroethane, 1,1,1-	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624,1/8260
Frichloroethane, 1,1,2-	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624.1/8260
Frichloroethylene	ND	0.5 ug/L	1		ValueBelowQCStandard	531.0 (624.1/8260
Trichlorofluoromethane	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624.1/8260
Trichloropropane, 1,2,3-	ND	0.5 ug/L	11. 1		ValueBelowQCStandard	531.0 (624.1/8260
Frihalomethanes (unspecified mix)	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624.1/8260
Frimethylbenzene, 1,2,4-	ND	0.5 ug/L	Î		ValueBelowQCStandard	531.0 (624.1/8260
Trimethylbenzene, 1,3,5-	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624.1/8260
Vinyl acetate	ND	1 ug/L	1		ValueBelowQCStandard	531.0 (624.1/8260
Vinyl chloride	ND	0.5 ug/L			ValueBelowQCStandard	531.0 (624.1/8260
Xylene, o-	ND	0.5 ug/L			Value8elowQCStandard	531.0 (624.1/8260
Xylenes, m- & p- Mix	ND	1 ug/L	Î		ValueBelowQCStandard	531.0 (624.1/8260

Field Comments

End of sample # 21050310-03

Explanations	Results color fields	Sky Blue Tan	Organic samples only: indicates a detect Exceeds Action Level (lead and copper only)	*	LT ≈ Life Time Health Advisory Exceedance
All Aventities Limit	compliance thresholds. Since Ambient samples are not	Violet	Exceeds Secondary MCL		
QL: Quantition Limit	used for compliance evaluations, these thresholds are	Brick Red	Exceeds Primary MCL	^	1_10 = One and Ten Day
N/A: Not Applicable	shown for comparison purposes only.	Yellow	CBE exceeds +/- 5%		Exceedance

Maximum Contaminant Level (MCL), Secondary MCL (SMCL), Action Level (AL), and Health Advisory (HA) Values for Parameters Included in the AGWQMP

J'z

Description	Maximum	Secondary Maximum	Action	Life-time	One & Ten-day
Parameter	Level	Level	Level	Health Advisory	Health Advisory
Aluminum		200 ya/L			
Ammonia				30 mg/L	
Arsenic	10 µg/L				
Barium	2,000 µg/L				700 µg/L
Cadmium	5 µg/L			5 µg/L	40 µg/L
Chloride		250 mg/L			
Chromium	100 µg/L				1,000 µg/L
Copper			1300 µg/L		
Fluoride	4 mg/L	2 mg/L			
Iron		300 µg/L			
Lead			15 µg/L		
Manganese**		50 µg/L		300 µg/L	1,000 µg/L
Nickel				100 µg/L	1,000 μg/L
Nitrate	10 mg/L				10 mg/L
рН		6.5 - 8.5 SU***			
Selenium	50 µg/L			50 µg/L	
Strontium	10.0825			4,000 µg/L	25,000 µg/L
Sulfates		250 mg/L			
Total Dissolved Solids		500 mg/L			
Zinc		5,000 μg/L		2,000 µg/L	6,000 µg/L
· · · · · · · · · · · · · · · · · · ·					

These standards apply to water distributed to the public by public water systems.

- * MCLs, SMCLs and ALs are used as benchmarks for AGWQMP raw water samples.
- ** World Health Organization dropped its 400 µg/L health based DW standard in 2011.

*** 7.0-10.5 on Ohio EPA webpage; note: application is outside the range, not inside.



CERTIFICATE of ANALYSIS

Microbiological/Inorganic Certification - 877 Organic Certification - 4100

Ashville WTP Jim Welsh 200 East Station Street Ashville, OH 43103

Sampler Name: Jim Welsh Sample Date/Time: 4/14/22 12:15 Sample Monitoring Point: EP001 Sample Type: RT Sample Tap/Address: Final Lab Tap, 140 Park Street, Ashville Client #: 6196 PO Number: Date Received: 4/14/22 14:49 Ohio EPA Analyzed Date: 4/28/22 11:16

PWSID: OH6500012 Facility ID: 6557169 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L):

Sample ID: 977118

Lab Sample # : 2D01703-01 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
EPA 200.8 Rev. 5.4									
Antimony, Total	<3.0	ug/L		3	3	04/14/22 12:15	04/26/22 13:30	CMB	EPA 200.8 Rev. 5.4
Selenium, Total	<3.0	ug/L		3	3	04/14/22 12:15	04/26/22 13:30	CMB	EPA 200.8 Rev. 5.4
Thallium, Total	<1.0	ug/L		1	1	04/14/22 12:15	04/26/22 13:30	CMB	EPA 200.8 Rev. 5.4
EPA 335.4 Rev. 1.0									
Cyanide, Total	<0.005	mg/L		0.005	0.005	04/14/22 12:15	04/26/22 10:02	DLQ	EPA 335.4 Rev. 1.0
SM 4500-F B,C-11,									
Fluoride	0.975	mg/L		0.1	0.1	04/14/22 12:15	04/18/22 15:45	LGE	SM 4500-F B,C-11, SM 4500-F C-97



CERTIFICATE of ANALYSIS

Microbiological/Inorganic Certification - 877 Organic Certification - 4100

Ashville WTP Jim Welsh 200 East Station Street Ashville, OH 43103

Sampler Name: Jim Welsh Sample Date/Time: 4/14/22 12:15 Sample Monitoring Point: EP001 Sample Type: RT Sample Tap/Address: Final Lab Tap, 140 Park Street, Ashville Client #: 6196 PO Number: Date Received: 4/14/22 14:49 Ohio EPA Analyzed Date: 4/28/22 11:16

PWSID: OH6500012 Facility ID: 6557169 Repeat Sample #: Total Chlorine (mg/L): Free Chlorine (mg/L): Combined Chlorine (mg/L):

Sample ID: 977118

Lab Sample # : 2D01703-01 (Potable)

Analyte	Result	Units	Qual	Reporting Limit	MDL	Date/Time Prepared	Date/Time Analyzed	Analyst	Method
Metals Analysis									
Arsenic, Total	ND	ug/L		3.0	0.8	04/25/22 11:00	04/25/22 12:34	JMB	SM 3113 B 2010
Barium, Total	113	ug/L		25.0	2.8	04/15/22 15:07	04/15/22 15:07	ЈМВ	EPA 200.7 1994
Beryllium, Total	ND	ug/L		1.0	0.2	04/15/22 15:07	04/15/22 15:07	ЈМВ	EPA 200.7 1994
Cadmium, Total	ND	ug/L		1.0	0.9	04/15/22 15:07	04/15/22 15:07	ЈМВ	EPA 200.7 1994
Chromium, Total	ND	ug/L		5.0	4.9	04/15/22 15:07	04/15/22 15:07	ЈМВ	EPA 200.7 1994
Mercury, Total	ND	ug/L		0.5	0.08	04/25/22 14:35	04/26/22 12:50	JMB	EPA 245.1 1994
Nickel, Total	ND	ug/L		10.0	2.2	04/15/22 15:07	04/15/22 15:07	ЈМВ	EPA 200.7 1994

	MAASI ENVIRONMENTAL LABORATORIES 7940 Memorial Drive Plain City, OH 43064 614-873-4654	R	Che Analy * Se	2D0 AR # 97 Received: Matrix:	1703-01 7118 : 4/14/2022 Potable	st Sheet pear on Bottle: stormation **	977	7118
Client #: Sampler	<u>Mame:</u> Name: <u>Jun</u>	V	:(lage h	<u>of A</u>	shull ™ D: €1	County: <u>P[CKAM</u> 2001 Sample T	<u>М</u> Гуре: (P.O.#A Compliance (C)) New Well (N)) Special/Other (O)
Sample	Гар: 149 <u>Сло</u>	1	Date Colle	ected:	4-14-2 (MM/DD/YY)	ZZ Time Collecte	nd:	(hh:mm am/000)
() Publi	iress:ic Sample (PWS ID #:	OH	6500	part 012	Facility ID #:	ESS 7/69	<u>7</u>	() Private Sample

Non-Preserved	Parameters Preserved	Parameters Preserved				
Parameters	with Sulfuric Acid (S)	with Nitric Acid (N)				
() 004 Alkalinity, Stab.	() 099 Phosphate, Total (PO4) as P	909 Antimony, Sb				
() 005 Alkalinity, Total	() 337 Phosphate, Total as Po4	(B) 013 Arsenic, As				
() 034 Chloride	() 089 Nitrate, NO3 (Reported as N+N)	1001 Barium, Ba				
() 036 Chlorine Free, Residual		1002 Beryllium, Be				
() 037 Chlorine, Total		(2) 1003 Cadmium, Cd				
() 038 Chrome, Hexavalent; Cr+6	Misc. Parameters	(b) 1005 Chrome, Cr				
() 049 Conductivity	(B) 055 Cyanide (Ascorbic Acid)	Ø) 082 Mercury, Hg				
(B) 062 Fluoride, Fl	() 138 TOC (Phosphoric Acid)	1012 Nickel, Ni				
() 870 Iron, Susp.	() Other	105 Selenium, Se				
() 880 Manganese, Susp.	() Other	🧐 975 Thallium, Tl				
() 096 pH	() Other	() 066 Hardness, Hrd				
() 098 Phosphate, Ortho		() 868 Iron, Fe				
() 338 Phosphate, Ortho as PO4		() 878 Manganese, Mn				
() 143 Turbidty		() 1004 Calcium, Ca				
() 78 LT2 Turbidity	Office Use	() 850 Copper, Cu				
() 385 TDS/TFR	- Only: +0 1340	() 1009 Magnesium, Mg				
() 122 Sulfate, SO4		() 1011 Molybdenum, Mo				
() No Sample Fee		() 1015 Silver, Ag				
() Other	150	() 1016 Sodium, Na				
() Other		() 971 Lead, Pb				
() Other		() 1017 Zinc, Zn				
() Other		() 360 Hardness as caco3				
() Other		() 336 Mg Hardness as caco3				
		() 9050 MASI Use Only				
		Route				
IN: Total Containerry						
S: Containers:		Office/Lab				
U:		COOLER: Revised 04-22-20 DN				





Ground Water Quality Report

Division of Drinking and Ground Waters Report Date: 12/18/2014

Ambient Ground Water Quality Monitoring Program

Inorganic Ground Water Quality Time Series

This Ground Water Quality Report summarizes the raw (untreated) inorganic ground water history for a single well (see box below). Time series graphs are a concise method of visualizing the geochemical variability within a water well over time.



In the graphics on the following pages, the sample dates are shown on the horizontal axes, and the parameter concentrations are indicated on the vertical axes. As an aid to the reader, Maximum Concentration Levels (MCLs in red text) and Secondary MCLs (SMCLs in blue text) have been noted on the graphs where applicable. Action Levels (ALEs, in red text) have also been indicated for lead and copper results. While MCLs, SMCLs and ALEs are convenient benchmarks for interpreting water quality data, please note that they apply strictly to compliance data from public water supply wells, and not to the raw, untreated ground water samples represented in this report.

The Ambient Ground Water Quality Monitoring Program (AGWQMP) was established by Ohio Environmental Protection Agency to characterize Ohio's ground water quality in order to enhance water resource planning and prioritize ground water protection activities. Managed by the Division of Drinking and Ground Waters, the AGWQMP database now contains some 215 active water supply wells across Ohio.

For additional information or answers to questions concerning the Ambient Ground Water Quality Monitoring Program, contact Christopher Kenah or Michael Slattery at (614)-644-2752 at Ohio EPA in Columbus, Oh., or email us at: gwq@epa.state.oh.us.

The Division of Drinking and Ground Waters (DDAGW) is providing information via this Web page as a public service. While Ohio EPA believes this information to be reliable and accurate, some data may be subject to human, mechanical, or analytical error. Because of the variability inherent in ground water data, caution must be taken in extrapolating point data beyond the collection area. The accuracy, completeness, suitability, and conclusions drawn from the information presented here are the sole responsibility of the user.



Inorganic Time Series

Site Name Ashville Wellfield	Well Number	4	Ambient Well ID 39PIC08945
District CDO	County Pickaway		Aquifer Name EastColumbusBurVly
Well Depth (ft) 141	Casing Length (ft) 70		Major Lithology Sand and Gravel

FIELD DATA













MAJOR IONS, ALKALINITY, and TDS



www.epa.ohlo.gov/ddagw 50 W. Town St., Ste. 700 P.O. Box 1049 Columbus, OH 43216-1049 (614) 644-2752 (614) 644-2909 (fax)

NUTRIENTS



Well Number 4

Ambient Well ID 39PIC08945

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TRACE IONS





Well Number 4

Ambient Well ID 39PIC08945















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TRACE IONS, cont'd





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									<i>th</i>
hio	Ambient (Ground	Water Quality	Monito	ring Program	1.	А	nalyte Count on S	iheet 67
Ohio Environmental Protection Agency	Organic (Compo	und results fr	om raw	ILY NESUL I, untreated Am	LS bient well wat	er	malyte Detected (lount -1
tation Name Ashville W	/ellfield	We	Il Num 3	Ambier	nt Well ID 39PIC08	388 Samp. Statu	s ActiveStand	dard PWS ID	OH6500012
ample Num 22102702-	0: Sample Date	e/Time	1/1/2022 12:45	:00 Sam	pler Poole, Sydne	y Sample	Type Organic	QC Code	None
nem. Sheet ID 16133	Matrix Groun	d Water	Sheet Status	Approv.	Country	Pickaway	District C	DO Well Log	# 266009
Vell Depth (ft) 74 Ca	sing Length (ft)	64 1	ith. Open Section	Sand a	nd Gravel Major	Lith. Unconsolidat	ted Aquif	er Name EastCo	olumbus
VolatileOrganic			Re	porting	Primary	Health A	dvisory	Service Captor	
1 2 Dibrama 2 chloronrou		Result/	Unit	Limit	Benchmarks	Bench	marks	Lab Remark	Lab Method
2-Butanone	pane (DBCP)	ND	1	15 Ug/L				ValueBelowQCStandard	1621 (ME24 1/8260
4-Methyl-2-pentanone	1	ND	1					ValueBelowQCStandard	1531.0/524 1/8260
Cetone		ND	5	ug/i				ValueBelowQCStandard	531.0/524.1/8260
Acrylonitrile	1	ND	1	110/1				ValueBelowQCStandard	531.0/674 1/8260
Benzene		ND		5 µø/l	MCL = 5 ug/L			ValueBelowQCStandard	KRL0/624 1/0200
Bromoform	1	ND		5 µg/l				ValueBolowOCCtandar	\$31.0 (624 1/9200
lutyl benzene	1	ND		5 µg/L				ValueBelowQCStandard	VBNUEBL024.1/8260
utyl benzene soc		ND						valueBelowQCStandar	F31 6/634 4/020
utylbenzene, sec-		ND	0	5 ug/L				ValueBelowQCStandar	VashdelB(024.1/8260
acynoenzene, tert-		ND	0	S Ug/L				ValueBelowQCStandard	Vahle8(624.1/8260
arbon distinde		ND	1	ug/L	MCL = Fuch			ValueBelowQCStandard	Value (624.1/8260
arbon tetrachloride		ND	2	ug/L	MCL = 5 Ug/L			ValueBelowQCStandard	场动的(624.1/8260
hlorobenzene		ND	0	5 ug/L	WICL = 100 Ug/L			ValueBelowQCStandar	Val.(624.1/8260
hlorobromomethane		ND	0	.5 ug/L				ValueBelowQCStandar	Val 624.1/8260
hlorodibromomethane		ND	0	.5 ug/L				ValueBelowQCStandar	Val. 0624.1/8260
hloroethane		ND	0	.5 ug/L				ValueBelowQCStandard	Val 4624 1/8260
hloroform		2.8	0	5 ug/L					531.0 (624.1/8260
hlorotoluene, 2-		ND	0	5 ug/L				ValueBelowQCStandard	1531-03(624.1/8260
hlorotoluene, 4-		ND	0	.5 ug/L]	ValueBelowQCStandard	\$31.08(624.1/8260
umene	1	ND	0	5 ug/L				ValueBelowQCStandard	Val (624.1/8260
ymene		ND	0	5 ug/L				ValueBelowQCStandard	\$31.08(624.1/8260
Ibromomethane	1	ND	0	5 ug/L				ValueBelowQCStandar	Vial-08(624.1/8260
ichlorobenzene, 1,2-		ND	0	5 ug/L	MCL = 600 ug/L			ValueBelowQCStandar	1.624.1/8260
ichlorobenzene, 1,3-		ND	0	5 ug/L		-		ValueBelowQCStandar	VAL 8(624.1/8260
ichlorobenzene, 1,4-		ND	0	5 ug/L	MCL = 75 ug/L			ValueBelowQCStandard	Villag (624.1/8260
ichlorobromomethane		ND	0	5 ug/L		1		ValueBelowOCStandar	531-0 (624.1/8260
ichlorodifluoromethane		ND	0	5 ug/L				ValueBelowOCStandard	1531-0 (624.1/8260
ichloroethane, 1.1-		ND	0	5 ug/L			1	ValueBelowOCStandard	1531-0 (624.1/8260
ichloroethane, 1,2-	Ĩ	ND		5 ug/t	MCL = 5 ug/L			ValueBelowQCStandard	531.0 (624 1/8260
ichloroethene, trans-1.2	. 1	ND	0	5 ug/t	MCL = 100 ug/L	1	1	ValueBelowQCStandart	\$31.0/624 1/8260
ichloroethvlene, 1, 1-		ND		5 ug/t	MCL = 7 ug/L	1		ValueBelowQCStandard	-Fat 0/624 1/8260
ichloroethylene cic.1 2		ND		5 107/1	MCL = 70 up/1			valuebelowQCStandar	\$31.0/634 1/0200
lichloronronane 1.2-		ND	0		$MCI = 5 \mu g/I$			ValueBelowQCStandard	VERLEUBI024.1/8200
ichloropropane, 1.2		ND						valuebelowQCStandard	VEHLEB(024.1/826
ichloropropane, 1,3-		ND		5 ug/L				valueBelowQCStandard	V81148(624.1/8260
ichloropropane, 2,2-		ND	0	s ug/L				ValueBelowQCStandard	Vahid8(624.1/8260
ichloropropene, 1,1-		ND	0	5 ug/L				ValueBelowQCStandar	Vehice(624.1/8260
ichloropropene, 1,3 cis-		ND	0	5 ug/L				ValueBelowQCStandar	Willieb(624.1/826
ichioropropene, 1,3 tran	5-	ND	0	5 ug/L	8401 - 700 - 4			ValueBelowQCStandard	Valie0 (624.1/826
nyi penzene		ND	0	5 ug/L	WILL = 700 ug/L			ValueBelowQCStandard	1001624.1/826
nylene dibromide (EDB)		ND	0	5 ug/L				ValueBelowQCStandar	Valleb[624.1/826
exanone, 2-		ND	1	ug/L				ValueBelowQCStandar	1231-08(624.1/826
domethane		ND	1	ug/L				ValueBelowQCStandar	Value (624.1/826
ethyl bromide		ND	0	5 ug/L				ValueBelowQCStandard	V531-06(624.1/826
lethyl chloride	VI. STATES	ND	0	5 ug/L				ValueBelowQCStandard	V53108(624.1/826
lethyl tertiary butyl ethe	er (MTBE)	ND	1	ug/L				ValueBelowQCStandard	Vaile0 (624.1/826
lethylene chloride		ND	0	5 ug/L	MCL = 5 ug/L			ValueBelowQCStandar	Val 624.1/826
lonobromobenzene	1	ND	0	5 ug/L				ValueBelowQCStandar	Valle8(624.1/8260
ropylbenzene, n-		ND	0	5 ug/L				ValueBelowQCStandard	场动。624.1/8260
yrene	1	ND	0	5 ug/L	MCL = 100 ug/L			ValueBelowQCStandar	\$33.6(624.1/8260
etrachloroethane, 1,1,1,2	2-	ND	0	5 ug/L				ValueBelowQCStandar	53348(624.1/8250
etrachloroethane, 1,1,2,2	2-	ND	0	5 ug/L			1	ValueBelowQCStandar	\$31.0(624.1/8260

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1/17/2024

Ohio Environmental Protection Agency	Ambient Ground V Ground V Organic Compou	Vater Quality Monito	oring Program ity Results 1, untreated Ambier	nt well water	Analyte Count on Sheet	. Ki
Station Name Ashville Wel	lfield Well	Num 3 Ambier	nt Well ID 39PIC08888	Samp. Status ActiveStan	dard PWS ID OH650	00012
Sample Num 22102702-0:	Sample Date/Time 11	/1/2022 12:45:00 Sam	pler Poole, Sydney	Sample Type Organi	c QC Code None	6
hem. Sheet ID 16133 M	atrix Ground Water	Sheet Status	County Pir	kaway District	CDO Well Log # 250	6009
	oround water	Approv	ed County in	Advidy District (200	5009
Nell Depth (ft) 74 Casin	g Length (ft) 64 Lit	n. Open Section Sand a	nd Gravel Major Lith.	Unconsolidated Aqui	fer Name EastColumb	us
VolatileOrganic	Result/U	Reporting nit Limit	Primary Benchmarks	Health Advisory Benchmarks	Lab Remark Lab N	Vethod
Tetrachloroethylene	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard	524.1/8260
Toluene	ND	0.5 ug/L	MCL = 1000 ug/L	ĺ	ValueBelowQCStandard	524.1/8260
Trans-1,4-Dichloro-2-butene	ND	1 ug/L			ValueBelowQCStandard	524.1/8260
Trichlorobenzene, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard งโล้ไม่ eB(524.1/8260
Trichloroethane, 1,1,1-	ND	0.5 ug/L	MCL = 200 ug/L		ValueBelowQCStandard	524.1/8260
Trichloroethane, 1,1,2-	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard	624.1/8260
Trichloroethylene	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard	524.1/8260
Trichlorofluoromethane	ND	0.5 ug/L			ValueBelowQCStandard	624.1/8260
Trichloropropane, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard	524.1/8260
Trihalomethanes (unspecifie	d mix) 2.8	0.5 ug/L			ValueBetweenQL-Std V	524.1/8260
Trimethylbenzene, 1,2,4-	ND	0.5 ug/L			ValueBelowQCStandard	624.1/8260
Trimethylbenzene, 1,3,5-	ND	0.5 ug/L			ValueBelowQCStandard	624.1/8260
Vinyl acetate	ND	1 ug/L			ValueBelowQCStandard	624.1/8260
Vinyl chloride	ND	0.5 ug/L	MCL = 2 ug/L		ValueBelowQCStandard	624.1/8260
Xylene, o-	ND	0.5 ug/L			ValueBelowQCStandard	624.1/8260
Xylenes, m- & p- Mix	ND ND	1 ug/L	MCL = 10,000 ug/L		ValueBelowQCStandard	524.1/8260

Field Comments

End of sample # 22102702-03

Explanations

Results color fields

ND: Non Detect QL: Quantition Limit N/A: Not Applicable

Colored fields highlight results greater than Drinking Water compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.

Sky Blue colored fields indicate a detect

LT = Life Time Health Advisory Exceedance

1_10 = One and Ten Day Health Advisory Exceedance

	und Mator	Qual	ty Doculto		Analyte	e Count on Sh	eet 67
Ohio Environmental		Quali	ity results	at some llasset and	Analyt	e Detected Co	unt -1
Ashville Mallfold	. compound result	.s moin raw	, untreated Amplei	nt well water			,
ation Name Astivitie weitheid	Well Num 3	Ambien	t Well ID 39PIC08888	Samp. Status ActiveSt	andard	PWS ID O	H6500012
21050310-0: Sample Da	ate/Time 5/19/2021 1	1:30:00 Sam	pler Poole, Sydney	Sample Type Orga	anic	QC Code	None
mem. Sheet ID 15470 Matrix Grou	ind Water Sheet Sta	Approve	county Pie	ckaway District	CDO	Well Log #	266009
ell Depth (ft) 74 Casing Length (f	t) 64 Lith. Open Sec	tion Sand an	d Gravel Major Lith.	Unconsolidated A	uifer Na	me EastCol	umbus
		Reporting	Delmont	Health Advisory			
VolatileOrganic	Result/Unit	Limit	Benchmarks	Benchmarks	Lab	Remark	Lab Method
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.5 ug/L			Value8	elowQCStandard V	aaaa(624.1/826
2-Butanone	ND	1 ug/L			Value8	elowQCStandard V	പ്പെക്ര(624.1/826
-Methyl-2-pentanone	ND	1 ug/L			Value8	elowQCStandard G	81.016741/826
Acetone	ND	5 ug/L			ValueB	etweenQL-Std QL	3358/1674d/826
Acrylonitrile	ND	1 ug/L			Value8	elowQCStandard V	a)@(624,1/826
lenzene	I ND	0.5 ug/L	MCL = 5 ug/L		Value8	elowQCStandard V	al @ (624.1/826)
iromoform	ND	0.5 ug/L			ValueB	elowQCStandard V	al@(624.1/826
Butyl benzene	I ND	0.5 ug/L			Value8	elowQCStandard V	31eB(624.1/826
Butylbenzene, sec-	ND	0.5 ug/L			Value8	elowQCStandard V	31-Q(624.1/826
Butylbenzene, tert-	ND	0.5 ug/L		<u> </u>	Value8	elowQCStandard V	84.624.1/826
Carbon disulfide	ND	1 ug/L			ValueB	elowQCStandard V	ale0(624.1/826
Carbon tetrachloride	ND	2 ug/L	MCL = 5 ug/L		Value8	elowQCStandard V	alag(624.1/826
Chlorobenzene	ND	0.5 Ug/L	MCL = 100 ug/L		Value8	elowQCStandard V	31.08(624.1/826
Chlorobromomethane	ND	0.5 ug/L		1	ValueB	elowQCStandard V	ale(624.1/826
Chlorodibromomethane	ND	0.5 ug/L		1	ValueB	elowQCStandard V	8168(624.1/826
Chloroethane	ND	0.5 ug/L			ValueB	elowQCStandard V	al 0 (624.1/826
Chloroform	ND	0.5 ug/L			ValueB	elowQCStandard V	A) @(624.1/826
Chlorotoluene, 2-	ND	0.5 ug/L			ValueB	elowQCStandard V	31-06(624.1/826
Chlorotoluene, 4-	ND	0.5 ug/L			ValueB	elowQCStandard V	Sil-08(624.1/826
Cumene	ND	0.5 ug/L			ValueB	elowQCStandard V	ale(624.1/826
Cymene	ND	0.5 ug/L			ValueB	elowQCStandard V	al (624.1/826
Dibromomethane	ND	0.5 ug/L			Value8	elowQCStandard V	ala (624.1/826
Dichlorobenzene, 1,2-	ND	0.5 ug/L	MCL = 600 ug/L		ValueB	elowQCStandard V	al @ (624.1/826)
Dichlorobenzene, 1,3-	ND	0.5 ug/L			ValueB	elowQCStandard V	al.e.(624.1/826
Dichlorobenzene, 1,4-	ND	0.5 ug/L	MCL = 75 ug/L		ValueB	elowQCStandard V	ale (624.1/826
Dichlorobromomethane	ND	0.5 ug/L			ValueB	elowQCStandard	al@(624.1/826
Dichlorodifluoromethane	ND	0.5 ug/L			Value8	elowQCStandard V	Saca(624.1/826
Dichloroethane, 1,1-	ND	0.5 ug/L			Value8	elowQCStandard	ala (624.1/826
Dichloroethane, 1,2-	ND	0.5 ug/L	MCL = 5 ug/L		Value8	elowQCStandard V	au @ (624.1/826
Dichloroethene, trans-1,2-	ND	0.5 ug/L	MCL = 100 ug/L	1	ValueB	elowQCStandard V	624.1/826
Dichloroethylene, 1,1-	ND	0.5 ug/L	MCL = 7 ug/L		ValueB	elowQCStandard V	al@(624.1/826
Dichloroethylene, cis-1,2-	ND	0.5 ug/L	MCL = 70 ug/L		ValueB	elowQCStandard V	ales(624.1/826
Dichloropropane, 1,2-	ND	0.5 ug/L	MCL = 5 ug/L		ValueB	elowQCStandard V	ala (624.1/826
Dichloropropane, 1,3-	ND	0.5 ug/L			Value8	elowQCStandard V	31.Q(624.1/826
Dichloropropane, 2,2-	ND	0.5 ug/L		1	Value8	elowQCStandard V	aa (624.1/826
Dichloropropene, 1,1-	ND	0.5 ug/L			Value8	elowQCStandard V	al.@(624.1/826
Dichloropropene, 1,3 cis-	ND	0.5 ug/L			ValueB	elowQCStandard	3108(624.1/826
Dichloropropene, 1,3 trans-	ND	0.5 ug/L			ValueB	elowQCStandard V	alag(624.1/826
thyl benzene	ND	0.5 ug/L	MCL = 700 ug/L		Value8	elowQCStandard V	31cb(624.1/826
thylene dibromide (EDB)	ND	0.5 ug/L			ValueB	elowQCStandard V	ale (624.1/826
exanone, 2-	ND	1 ug/L			Value8	elowQCStandard V	ALG (624.1/826
odomethane	ND	1 ug/L			Value8	elowQCStandard V	624.1/826
Nethyl bromide	ND	0.5 ug/L			Values	elowQCStandard V	ale (624.1/826
1ethyl chloride	ND	0.5 ug/L			ValueB	elowQCStandard	al@(624.1/826
Nethyl tertiary butyl ether (MTBE)	ND	1 ug/L			ValueB	elowOCStandard	G1-0624.1/826
Aethylene chloride	ND	0.5 ug/L	MCL = 5 ug/L	1	ValueR	elowOCStandard	31-0 (624.1/826
Aonobromobenzene	ND	0.5 ug/L			ValueR	elowOCStandard	A1_0 (624.1/826
ropylbenzene, n-	ND	0.5 ug/L		1	ValueR	elowOCStandard	ALO (624.1/826)
	1	1			valueD		

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0.5 ug/L

0.5 ug/L

NÐ

ND

Tetrachloroethane, 1,1,1,2-

Tetrachloroethane, 1,1,2,2-

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ValueBelowQCStandard

ValueBelowQCStandard ValueBelowQCStandard

1/17/2024

					<i>\</i>
Chio Environmental Protection Agency	ient Ground Water Qua Cound Water anic Compound result	ality Monitor Quality S from raw,	ring Program ty Results , untreated Ambien	nt well water	Analyte Count on Sheet 67 Analyte Detected Count -1
Station Name Ashville Wellfield	Well Num 3	Ambien	t Well ID 39PIC08888	Samp. Status Active	Standard PWS ID OH6500012
Sample Num 21050310-0: Samp	le Date/Time 5/19/2021 1	1:30:00 Sam	pler Poole, Sydney	Sample Type	ganic QC Code None
Chem. Sheet ID 15470 Matrix	Ground Water Sheet Sta	atus Approve	d County Pi	ckaway Distri	ct CDO Well Log # 266009
Well Depth (ft) 74 Casing Leng	th (ft) 64 Lith. Open Sec	tion Sand an	d Gravel Major Lith.	Unconsolidated	Aquifer Name EastColumbus
VolatileOrganic	Result/Unit	Reporting Limit	Primary Benchmarks	Health Advisory Benchmarks	Lab Remark Lab Method
Tetrachloroethylene	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard
Toluene	ND	0.5 ug/L	MCL = 1000 ug/L		ValueBelowQCStandard ValueBel624.1/8260
Trans-1,4-Dichloro-2-butene	ND	1 ug/L			ValueBelowQCStandard QB1-Q1624148260
Trichlorobenzene, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard ValueB(624.1/8260
Trichloroethane, 1,1,1-	ND	0.5 ug/L	MCL = 200 ug/L		ValueBelowQCStandard ValueBe(624.1/8260
Trichloroethane, 1,1,2-	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard ValueBelo24.1/8260
Trichloroethylene	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard ValueB(624.1/8260
Trichlorofluoromethane	ND	0.5 ug/L			ValueBelowQCStandard ValueBelo24.1/8260
Trichloropropane, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard Value8(624.1/8260
Trihalomethanes (unspecified mix)	ND	0.5 ug/L			ValueBelowQCStandard
Trimethylbenzene, 1,2,4-	ND	0.5 ug/L			ValueBelowOCStandard ValueBelo24.1/8260
Trimethylbenzene, 1,3,5-	ND	0.5 ug/L			ValueBelowQCStandard ValueBe(624.1/8260
Vinyl acetate	ND	1 ug/L			ValueBelowQCStandard VS31(B)(624.1/8260
Vinyl chloride	ND	0.5 ug/L	MCL = 2 ug/L		ValueBelowQCStandard ValueBelowQCStandard
Xylene, o-	ND	0.5 ug/L			ValueBelowQCStandard
Xylenes, m- & p- Mix	ND	1 ug/L	MCL = 10,000 ug/L		ValueBelowQCStandard
		and the second se			

Field Comments

End of sample # 21050310-03

Explanations

ND: Non Detect QL: Quantition Limit N/A: Not Applicable Colored fields highlight results greater than Drinking Water compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.

Results color fields

Sky Blue colored fields indicate a detect

LT = Life Time Health Advisory Exceedance

A 1_10 = One and Ten Day Health Advisory Exceedance



Ohio Environmental Protection Agency Organic	und Water Compound result	r Quali	ity Results , untreated Ambier	nt well water	Analyte Count on She Analyte Detected Cou	et 67 int -1
tion Name Ashville Wellfield	Well Num 3	Ambien	t Well ID 39PIC08888	Samp. Status ActiveSt	andard PWS ID O	46500012
mple Num 19052403-0' Sample Da	te/Time 6/11/2019 1	0:00:00 Sam	pler Bondoc. Michael	Sample Type Org	anic OC Code N	one
em Sheet ID 14797 Matrix Grou	nd Water Shoet St		County Die	District	CDO Well Log #	20000
	nu water sneet ste	Approve	d county Fic	Kaway District	CDO Wen Log #	200009
ell Depth (ft) 74 Casing Length (ft	:) 64 Lith. Open Sec	tion Sand an	nd Gravel Major Lith.	Unconsolidated	quifer Name EastColu	mbus
VolatileOrganic	Denvela (s.s. te	Reporting	Primary	Health Advisory		
2-Dibromo-3-chloropropane (DBCP)	ND		Benchmarks	Benchmarks	Lab Remark L	ab Method 0.21/524 2/624/9
-Butanone	4.05	1 ug/L			5	0.2 (524.2/624/
-Methyl-2-pentanone	ND	1 ug/L			ValueBelowOCStandard Val	0.21524.2/624/
cetone	ND	5 UR/L			ValueBelowQCStandard Va	Qea(524.2/624/
crylonitrile	ND	1 ug/L			ValueBelowOCStandard	Q-2 (524.2/624/
enzene	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard	Q-B(524.2/624/
romoform	ND	0.5 ug/L			ValueBelowQCStandard	Q-2 (524.2/624/
utyl benzene	ND	0.5 ug/L			ValueBelowQCStandard Va	Q-2 (524.2/624/
utylbenzene, sec-	ND	0.5 ug/L			ValueBelowQCStandard	Q-2 (524.2/624/
utylbenzene, tert-	ND	0.5 ug/L			ValueBelowQCStandard Va	QeB(524.2/624/
arbon disulfide	ND	1 ug/L			ValueBelowOCStandard Va	Qe26(524.2/624/
arbon tetrachloride	ND	2 ug/L	MCL = 5 ug/L		ValueBelowOCStandard	Q=====================================
hlorobenzene	ND	0.5 ug/L	MCL = 100 ug/L		ValueBelowQCStandard	Rea (524.2/624/
hlorobromomethane	ND	0.5 ug/L			ValueBelowQCStandard	023(524.2/624/
hlorodibromomethane	ND	0.5 ug/L			ValueBelowQCStandard	Deb(524.2/624/
hloroethane	ND	0.5 ug/L			ValueBelowOCStandard Va	Q-B(524.2/624/
hloroform	ND	0.5 ug/L			ValueBelowOCStandard	0.28(524.2/624/
hlorotoluene, 2-	ND	0.5 ug/L			ValueBelowOCStandard Va	0.2 (524.2/624/
hlorotoluene, 4-	ND	0.5 ug/L		1	ValueBelowOCStandard Va	10-2-(524.2/624/
umene	ND	0.5 ug/L			ValueBelowOCStandard	10-2a(524.2/624/
vmene	ND	0.5 ug/L			ValueBelowOCStandard Va	0.20(524.2/624/
ibromomethane	ND	0.5 ug/L			ValueBelowOCStandard	0.26524.2/624/
ichlorobenzene, 1.2-	ND	0.5 ug/1	MCL = 600 ug/L		ValueBelowQCStandard Va	0.2b(524.2/624/
ichlorobenzene, 1,3-	ND	0.5 ug/t			ValueBelowQCStandard Va	10-26(524.2/624/
ichlorobenzene, 1,4-	ND	0.5 ug/t	MCL = 75 ug/L		ValueBolowQCStandard	0-b(574 2/674/
ichlorobromomethane	ND	0.5 ug/L			ValueBelowQCStandard	0ab(524.2/624/
ichlorodifluoromethane	ND	0.5 ug/L			ValueBelowQCStandard	0ab(524,2/624/
ichloroethane, 1,1-	ND	0.5 ug/L			ValueBelowQCStandard Va	RD-36(524 2/624/
ichloroethane, 1,2-	ND	0.5 ug/l	MCL = 5 ug/L		ValueBelowQCStandard Va	0.2b/524 2/624/
ichloroethene, trans-1 2-	I ND	0.5 ug/L	MCL = 100 ug/L	1	ValueBelowQCStandard Va	10-3(524.2/024)
ichloroethylene 1 1-	I ND	0.5 ug/t	MCL = 7 ug/L		ValueBelowQCStandard Va	10-3/574 2/674/
ichloroethylene, cis-1 2-	ND		MCL = 70 ug/L		ValueBelowQCStandard Va	0.2624 2/624/
ichloropropage 1.2-	ND		MCL = 5 µg/L	1	ValueBelowQCstandard ve	10-3/524 2/624/
ichloropropane 1.3-	ND	0.5 ug/i	0/ -		ValueBelowQCStandard Va	30-b(524.2/624/
ichloropropane 2.2-	ND				ValueBelowQCStandard Va	D.3 (524 2/624/
ichloropropene 11-	ND	0.5 ug/			ValueBelowQCStandard Va	10 3/534 2/634/
ichloropropene, 1.3 cis-	ND	0.5 10/1			ValueBelowQCStandard Va	30-26574 2/624/
ichloropropene 1.3 trans-	ND	05 10/1				0.2(524 2/624)
hyl benzene	ND		MCL = 700 ug/L		ValueBelowQCStandard Ve	Cab(524 2/624)
hylene dibromide (FDB)	ND	0.5 ug/L			ValueBelowQCStandard Ve	10-3-152A 3/634
exanone 2-	I ND	1 ug/L		1	ValueBelowQCStandard Va	0.2/524.2/624/
domethane	ND			1	ValueBelowQCStandard Va	RIEBL 324.2/024/
achiel bromide	I ND				ValueBelowQCStandard Va	Neg(324.2/624)
ethyl chloride	ND	0.5 Ug/L			ValueBelowQCStandard Va	MeB(324.2/624/
athyl tartiary bubyl ather (MTRE)	ND				ValueBelowQCStandard	Well 324.2/624/
ethylana chlosida	ND	0.5 ug/L	MCI = 5 ug/l		ValueBelowQCStandard Va	10 2 (5 2 4 . 2 / 6 2 4 /
			MCL - 2 AR/L		ValueBelowQCStandard	WeB(524.2/624)
	ND	0.5 Ug/L			ValueBelowQCStandard	WeBl324.2/624/
opyroenzene, n-	ND		MCL = 100 um/l		ValueBelowQCStandard Va	10001524.2/624/
Nicile		U.S Ug/L			ValueBelowQCStandard Va	wee1524.2/624/
strachloroothane 1111		0 F				D DIETA DIEDA

www.epa.ohlo.gov/ddagw 50 W. Town St., Ste. 700 P.O. Box 1049 Columbus, OH 43216-1049 (614) 644-2752 (614) 644-2909 (fax)

0.5 ug/L

ND

Tetrachloroethane, 1,1,2,2-

1/17/2024

ValueBelowQCStandard ValueBelowQCStandard

Ohio Environmental Protection Agency Organ	ound Wate	er Quali	ity Results , untreated Ambier	nt well water	Analyte Count on Sheet Analyte Detected Count	67
tation Name Ashville Wellfield	Well Num 3	Ambien	t Well ID 39PIC08888	Samp. Status ActiveSt	tandard PWSID OH65	500012
ample Num 19052403-0; Sample	Date/Time 6/11/2019	10:00:00 Sam	pler Bondoc, Michael	Sample Type Org	anic QC Code Non	е
hem. Sheet ID 14797 Matrix Gr	ound Water Sheet Sheet	Status Approve	County Pic	kaway District	CDO Well Log # 26	6009
Vell Depth (ft) 74 Casing Length	(ft) 64 Lith. Open S	ection Sand ar	nd Gravel Major Lith.	Unconsolidated A	quifer Name EastColumb	ous
VolatileOrganic	Result/Unit	Reporting Limit	Primary Benchmarks	Health Advisory Benchmarks	Lab Remark Lab	Method
fetrachloroethylene	ND	0.5 ug/L	MCL = 5 ug/L		Value8elowQCStandard Value8	(524.2/624)
Foluene	ND	0.5 ug/L	MCL = 1000 ug/L		ValueBelowQCStandard	(524.2/624
frans-1,4-Dichloro-2-butene	ND	1 ug/L			ValueBelowQCStandard ValueBelowQCStandard	(524.2/624
frichlorobenzene, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard ValueBelowQCStandard	[524.2/624
frichloroethane, 1,1,1-	ND	0.5 ug/L	MCL = 200 ug/L		ValueBelowQCStandard VinleB	(524.2/624
Frichloroethane, 1,1,2-	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStandard	(524.2/624
Frichloroethylene	ND	0.5 ug/L	MCL = 5 ug/L		Value8elowQCStandard Value8	(524.2/624
Frichlorofluoromethane	ND	0.5 ug/L			ValueBelowQCStandard ViilleB	(524.2/624
frichloropropane, 1,2,3-	ND	0.5 ug/L			ValueBelowQCStandard	(524.2/624
frihalomethanes (unspecified mix)	ND	0,5 ug/L			ValueBelowQCStandard	(524.2/624
frimethylbenzene, 1,2,4-	ND	0.5 ug/L			ValueBelowQCStandard	(524.2/624
rimethylbenzene, 1,3,5-	ND	0.5 ug/L			ValueBelowQCStandard	(524.2/624
/inyl acetate	ND	1 ug/L			ValueBelowQCStandard	(524.2/624
/inyl chloride	ND	0.5 ug/L	MCL = 2 ug/L		ValueBelowQCStandard	(524.2/624
Xylene, o-	ND	0.5 ug/L		1	ValueBelowQCStandard	(524.2/624
Xvlenes, m- & p- Mix	ND	1 ug/L	MCL = 10,000 ug/L		ValueBelowOCStandard	(524.2/624

Field Comments

End of sample # 19052403-02

Explanations

Results color fields

ND: Non Detect QL: Quantition Limit N/A: Not Applicable

Colored fields highlight results greater than Drinking Water compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.

Sky Blue colored fields indicate a detect

LT = Life Time Health Advisory Exceedance

▲ 1_10 = One and Ten Day Health Advisory Exceedance

Ambioni	Ground Mator Oua	lity Monito	ving Drogram			×
hio Grou	Ind Water Qua		ring Program		Analyte Count on	Sheet 70
Ohio Environmental Protection Agency Organic	Compound result	s from raw	, untreated Ambiei	nt well water	Analyte Detected	Count -1
tion Name Ashville Wellfield	Well Num 3	Ambien	t Well ID 39PIC08888	Samp. Status Active	Standard PWS ID	OH6500012
mple Num 18102406-0; Sample Da	te/Time 10/25/2018 (09:30:00 Sam	pler Byerly, Sarah	Sample Type Or	ganic QC Code	None
m. Sheet ID 14582 Matrix Grou	nd Water Sheet Sta	tus Approve	a County Pie	kaway Distric	t CDO Well Lo	2 # 266009
ll Depth (ft) 74 Casing Length (ft) 64 Lith. Open Sec	tion Sand ar	d Gravel Major Lith.	Unconsolidated	Aquifer Name East	Columbus
/olatileOrganic	-	Reporting	Primary	Health Advisory		
2-Dibromo-3-chloropropane (DBCP)	Result/Unit		Benchmarks	Benchmarks	Lab Remark	Lab Method
Butanone	ND	1 ug/L		1	ValueBelowQCStanda	nd ValueB(524.2/624)
Methyl-2-pentanone	ND	1 ug/L			ValueBelowQCStanda	rd V30-0 (524.2/624)
cetone	ND	5 ug/L			ValueBelowQCStanda	rd Val 0-0 (524.2/624)
crylonitrile	ND	1 ug/L			ValueBelowQCStanda	rd VSRD-08(524.2/624)
nzene	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStanda	To Val Deb (524.2/624
omoform	ND	0.5 ug/L			ValueBelowQCStanda	rd Vallee (524.2/624)
ıtyl benzene	ND	0.5 ug/L			ValueBelowQCStanda	rd Val0eB(524.2/624)
itylbenzene, sec-	ND	0.5 ug/L			ValueBelowQCStanda	rd Val Deb (524.2/624)
itylbenzene, tert-	ND	0.5 ug/L			ValueBelowQCStanda	ng Val Dea (524.2/624,
arbon disulfide	ND	1 ug/L			ValueBelowQCStanda	rc (581) 2457462624
rbon tetrachloride	ND	2 ug/L	MCL = 5 ug/L	h	ValueBelowQCStanda	rd Viii Deb (524.2/624
lorobenzene	ND	0.5 ug/L	MCL = 100 ug/L	1	ValueBelowQCStanda	1 Villen (524.2/624
lorobromomethane	ND	0.5 ug/L			ValueBelowQCStanda	valee(524.2/624
hlorodibromomethane	ND	0.5 ug/L			ValueBelowQCStanda	rd Valleb (524.2/624
loroethane	ND	0.5 ug/L			ValueBelowQCStanda	rd Val Deb (524.2/624)
loroform	ND	0.5 ug/L			ValueBelowQCStanda	value (524.2/624
lorotoluene, 2-	ND	0.5 ug/L			ValueBelowQCStanda	11 Val 0-26 (524.2/624)
lorotoluene, 4-	ND	0.5 ug/L			Value8elowQCStanda	value (524.2/624
imene	ND	0.5 ug/L			ValueBelowQCStanda	valueb(524.2/624
mene	ND	0.5 ug/L			Value8elowQCStanda	value2(524.2/624
bromomethane	ND	0.5 ug/L			ValueBelowQCStanda	mg V动印色(524.2/624
chlorobenzene, 1,2-	ND	0.5 ug/L	MCL = 600 ug/L	ý.	ValueBelowQCStanda	Arg Val 0 1524.2/624
chlorobenzene, 1,3-	ND	0.5 ug/L			ValueBelowQCStanda	rg Valled (524.2/624,
chlorobenzene, 1,4-	ND	0.5 ug/L	MCL = 75 ug/L		ValueBelowQCStanda	rc Valleb (524.2/624
chlorobromomethane	ND	0.5 ug/L			ValueBelowQCStanda	ing Valle&(524.2/624)
chlorodifluoromethane	ND	0.5 ug/L			ValueBelowQCStanda	re 688 21824024824
chloroethane, 1,1-	ND	0.5 ug/L			ValueBelowQCStanda	rg Valee (524.2/624
chloroethane, 1,2-	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStanda	rd VBReB(524.2/624
chloroethene, trans-1,2-	ND	0.5 ug/L	MCL = 100 ug/L		ValueBelowQCStanda	rc Val Deb (524.2/624
ichloroethylene, 1,1-	ND	0.5 ug/L	MCL = 7 ug/L		ValueBelowQCStanda	ard Val Deb (524.2/624
ichloroethylene, cis-1,2-	ND	0.5 ug/L	MCL = 70 ug/L		ValueBelowQCStanda	ard QBB 21874874824
chloropropane, 1,2-	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStanda	rd Val Deb (524.2/624
chloropropane, 1,3-	ND	0.5 Ug/L			ValueBelowQCStanda	rq Val Qeb (524.2/624
chloropropane, 2,2-	ND	0.5 ug/L			ValueBelowQCStanda	arc 68821824824824
chloropropene, 1,1-	ND	0.5 Ug/L			ValueBelowQCStanda	arc ശ്രിമക്ക(524.2/624
chloropropene, 1,3 cis-	ND	0.5 ug/L			ValueBelowQCStanda	rd V680eB(524.2/624
chloropropene, 1,3 trans-	ND	0.5 ug/L			ValueBelowQCStanda	irc 1530@8(524.2/624
hyl benzene	ND	0.5 ug/L	MCL = 700 ug/L		ValueBelowQCStanda	rd Val Qeb (524.2/624
nylene dibromide (EDB)	ND	0.5 ug/L			ValueBelowQCStanda	ng Val Deb (524.2/624
xachlorobutadiene	ND	0.5 ug/L			ValueBelowQCStanda	rd ValDeB(524.2/624
xanone, 2-	ND	1 ug/L			ValueBelowQCStanda	ard Val Deb (524.2/624
lomethane	ND	1 ug/L			ValueBelowQCStanda	ard 688 24824824824
ethyl bromide	ND	0.5 ug/L			ValueBelowQCStanda	ard 10000(524.2/624
ethyl chloride	ND	0.5 ug/L			ValueBelowQCStanda	rd V新启动(524.2/624
ethyl tertiary butyl ether (MTBE)	ND	0.5 ug/L			ValueBelowQCStanda	ard Ver Qee (524 2/624
ethylene chloride	ND	0.5 ug/L	MCL = 5 ug/L		ValueBelowQCStanda	rd ValDeb(524.2/624
onobromobenzene	ND	0.5 ug/L			ValueBelowQCStanda	ire Valleb(524.2/624
aphthalene	ND	0.5 ug/L			ValueBelowQCStanda	ard ViaDeB(524.2/624
opylbenzene, n-	ND	0.5 ug/L			ValueBelowQCStanda	ng Val Deb (524.2/624
tyrene	ND	0.5 ug/L	MCL = 100 ug/L		ValueBelowQCStanda	rd Val Deb (524.2/624

Page 7 of 22



Explanations

Results color fields

ND: Non Detect QL: Quantition Limit N/A: Not Applicable

Colored fields highlight results greater than Drinking Water compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.

Sky Blue colored fields indicate a detect

LT = Life Time Health Advisory Exceedance

1_10 = One and Ten Day A Health Advisory Exceedance

tation Name Ashville Well Num 3 Ambient Well Dig 3pp: Codes Sample Status Active Status ample Num 23052415-0; Sample Date/Time 6/22/2023 10:45:00 Sampler Reed, Jason Sample Type Inorgani hem. Sheet Dig 16414 Matrix Ground Water Sheet Status Out OfRangeResults County Pickaway District Cr Rell Depth (th) 74 Casing Length (th) 64 Uth. Open Section Sand and Gravel Wellor Uth. Unconsolidated Acure Oldation Reduction Potential (ORP) 101 In/A Init Action Lin. Benchmarks Init Specific Conductance 851 N/A Init Init Vice Status Vice Status Total Disolved Solids (TDS), Field 620 N/A Init Vice Status Vice Status Vice Status Berdin ND 200 ug/L Init Vice Status Vice Status Vice Status Aluminum ND 2 ug/L Vice Status Vice Status Vice Status Vice Status <th>Analyte Detected</th> <th>Count -1</th>	Analyte Detected	Count -1
ample Num 23052415-0; Sample Date/Time 6/22/2023 10:45:00 Sampler Red, Jason Sample Type Inorgani Nem. Sheet D 16414 Matrix Ground Water Sheet Status OutOfRangeResults County Pickaway District C Neil Depth (ft) 74 Casing Length (ft) 64 Utits. Open Section Sand and Gravel Major Lith. Unconsolidated Aquife FieldParameter Result/Unit Imit Action Lim. Benchmarks Benchmarks Benchmarks Health Advisory Specific Conductance 851 N/A Imit Action Lim. Benchmarks Benchmarks Imit Yeint Specific Conductance 851 N/A Imit Yeint	Standard PWS ID	OH6500012
httm: Sheet Status OutOrRangeResult: County Pickaway District: Crown Yell Depth (h) 74 Casing Length (th) 64 Lth. OpenSection Sand and Gravel Major Lith. Unconsolidated Acuife FieldParameter Result/Unit Reporting Primary/Secondary/ Health Advisory Benchmarks Benchmarks Specific Conductance 881 N/A 1 Specific Conductance 881 N/A 1 Bardum 164 200 wg/L V Metals-ICP Aluminum NO 200 wg/L V Mardney 164 15 wg/L V Sardney 105 2 wg/L V Calcium 105 2 wg/L V Calcium 100 2 wg/L V V	OC Code	None
Bit Depth (ii) 74 Casing Length (ii) 64 Link Open Section Sand and Gravel Major Link Unconsolidated Aurife Field Parameter Result/Unit Reporting Primary/Secondary/ Health Advisory Benchmarks Benchmarks Imary/Secondary/ Health Advisory Oxidation Reduction Potential (0RP) -101 N/A Imary/Secondary/ Health Advisory Specific Conductance 851 N/A Imary/Secondary/ Health Advisory Grand Dissolved Solids (TDS), Field 620 N/A Imary/Secondary/ Health Advisory Marinum ND 200 ug/L V V V Marinum ND 200 ug/L V V Arrivent 105 2 mg/L V V Arrivent ND 2 ug/L V V Address, Ca > Mg 117 10 mg/L V V Adgenesis 93.1 10 ug/L > SMCL(0.0 mg/L) V Adgenesis 93.1 10 ug/L > SMCL(0.0.0 mg/L)		- None
Name Casing Length (1) P4 Uth. Open Section Sand and Gravel Major Uth. Unconsolidated Aquife FieldParameter Result/Unit Result/Unit Primary/Secondary/ Action Lim. Benchmarks Pelath Advisory Benchmarks Imark pH 7.35 N/A Imark Enchmarks Imark Specific Conductance 851 N/A Imark Enchmarks Enchmarks Specific Conductance 851 N/A Imark Imark Imark Specific Conductance 851 N/A Imark Imark Imark Specific Conductance 851 N/A Imark Imark Imark Specific Conductance 851 N/A Imark Imark Imark Imark Otal Dissolved Solids (TDS), Field 620 N/A Imark Imark Imark Imark Imark Imark Barton ND 2 cog/L Imark Imark Imark Imark Imark Imark Imark Imark	CDO Weir Log	\$# 266009
FieldParameter Reporting Primary/Secondary/ Action Lim. Benchmarks Health Advisory Benchmarks Datidation Reduction Potential (ORP) -101 N/A	Aquifer Name EastC	olumbus
Datidation Reduction Potential (ORP) -101 N/A Action Lin. Buttermarks Detectmarks bt 7.35 N/A Image: Conductance SS1 SS1 SS1 Image: Conductance SS1 SS1 Image: Conductance SS1 SS1 Image: Conductance S		
pH 7.35 N/A Image: Conductance 851 N/A Specific Conductance 851 N/A Image: Conductance 851 N/A Seperature, water 14.2 N/A Image: Conductance 14.2 N/A Metals: CP Secon N/A Image: Conductance 14.2 N/A Metals: CP Secon N/A Image: Conductance V Sarum 164 15 ug/L V V Sarum 164 15 ug/L V V Sarum 105 2 mg/L V V Calcium 105 2 mg/L V V Calcium ND 2 ug/L V V Agenesium ND 2 ug/L V V Agenesium 37.6 1 mg/L V V Adargenesium 2.68 2 mg/L V V Vot	Lab Remark	_ Lab Method
Specific Conductance 851 N/A Image: Conductance 851 N/A Iernperature, water 14.2 N/A Image: Conductance N/A Image: Conductance N/A Metalschell 620 N/A Image: Conductance N/A Image: Conductance N/A Metalschell 620 N/A Image: Conductance N/A Image: Conductance N/A Marinum ND 200 ug/L Image: Conductance V Specific Conductance ND 200 ug/L Image: Conductance V Specific Conductance ND 200 ug/L Image: Conductance V Specific Conductance 164 15 ug/L Image: Conductance V Calcum 105 2 ug/L Image: Conductance V V Copper 2.13 2 ug/L Image: Conductance V V Agreesium 37.6 1 mg/L Image: Conductance V V		
Temperature, water 14.2 N/A Image: solution of the s		1
Total Dissolved Solids (TDS), Field 620 N/A Image: Solid S	ValueBelowOCStandar	ValuaR
Netals-ICP Aluminum ND 200 ug/L V Aluminum 164 15 ug/L 1 Barrum 164 15 ug/L 1 Barrum 105 2 on g/L 1 1 Barrum 105 2 mg/L 1 1 1 Corport 2.13 2 ug/L 1 1 1 Copper 2.13 2 ug/L 1 1 1 Copper 2.13 2 ug/L 1 1 1 1 atardness, Ca + Mg 417 10 mg/L 5 1 <td< td=""><td></td><td></td></td<>		
ND 200 ug/L V Barlum 164 15 ug/L Image: Constraint of the second of		
Internation Internation <thinternation< th=""> <thinternation< th=""></thinternation<></thinternation<>	Para second second second	l'and a second second
Internation Internation <thinternation< th=""> <thinternation< th=""></thinternation<></thinternation<>	ValueBelowQCStandar	d V9NeB(200.7/6010
Inc Inc <thinc< th=""> <thinc< th=""> <thinc< th=""></thinc<></thinc<></thinc<>		401.1 (200,7/6010
ND 2 ug/L V Copper 2.13 2 ug/L V Con 3160 50 ug/L SMCL (0.3 mg/L) V aadnesse 93.1 10 ug/L SMCL (0.05 mg/L) V Aanganese 93.1 10 ug/L SMCL (0.05 mg/L) V dataslum 37.6 1 mg/L V V otassium 2.68 2 mg/L V V otassium 5260 150 ug/L V V Metals-ICPMS rsenic 7.09 2 ug/L V V Metals-ICPMS senic 70.9% of MCL (0.01 mg/L) V V V ND 0.2 ug/L 70.9% of MCL (0.01 mg/L) V V	ValueBetweenQL-Std V	1608et (200.7/6010
Copper 2.13 2 ug/L 1 </td <td>And the same of</td> <td>401.1 (200.7/6010</td>	And the same of	401.1 (200.7/6010
ardness, Ca + Mg 417 10 mg/L Image: Ca + Mg 10 10 V V V Aanganese 93.1 10 ug/L Image: Ca + Mg 10 10 V </td <td>ValueBelowQCStandar</td> <td>4 VERI/eB1200.8/6020</td>	ValueBelowQCStandar	4 VERI/eB1200.8/6020
ron 3160 50 ug/L > SMCL (0.3 mg/L) I ead ND 2 ug/L V V Aagnesium 37.6 1 mg/L V V Aanganese 93.1 10 ug/L > SMCL (0.05 mg/L) I V dagnesium 2.68 2 mg/L V V V odsium 31.7 5 mg/L I V V oddium 31.7 5 mg/L I V V oddium 31.7 5 mg/L I I V oddium 31.7 5 mg/L V V V Metals-ICPMS ISO ug/L V V V V V Metals-ICPMS rsenic 7.09 2 ug/L V V Admium ND 0.2 ug/L V V V Nutrients-Demand ND <t< td=""><td></td><td>400.1 (200,8/6020</td></t<>		400.1 (200,8/6020
ead ND 2 ug/L V Aagnesium 37.6 1 mg/L V Aanganese 93.1 10 ug/L > SMCL (0.05 mg/L) V ickel ND 2 ug/L V V odium 2.68 2 mg/L V V odium 31.7 5 mg/L V V inc ND 10 ug/L V V Metals-ICPMS rsenic 7.09 2 ug/L 70.9% of MCL (0.01 mg/L) V Metals-ICPMS rsenic 7.09 2 ug/L 70.9% of MCL (0.01 mg/L) V Metals-ICPMS mmonia ND 0.2 ug/L V V Metals-ICPMS mmonia 0.455 0.05 mg/L V V Vutrients-Demand mmonia 0.455 0.05 mg/L V V itraterNitrite ND 20 mg/L V V V itraterNitrite ND 0.1 mg/L V V hemical Oxygen Demand (COD) <td></td> <td>401.1 (200.7/6010</td>		401.1 (200.7/6010
fagnesium 37.6 1 mg/L Image in the image ino	ValuaBalowOCStandor	460-1/200 8/6020
Manganese 93.1 10 ug/L > SMCL (0.05 mg/L) Image: constraint of the second se	VoluebelowQCStandar	401.1 (200.7/6010
ND 2 ug/L v otassium 2.68 2 mg/L v odium 31.7 5 mg/L v trontium 5260 150 ug/L u v inc ND 10 ug/L ug/L v Metals-ICPMS rsenic 7.09 2 ug/L 70.9% of MCL (0.01 mg/L) v admium ND 0.2 ug/L vug/L vv Vutrients-Demand ND 2 ug/L vug/L vv ND 2 mg/L vug/L vug/L vug/L arbon, Total Organic (TOC) ND 2 mg/L vug/L vug/L itrate+Nitrite ND 0.1 mg/L vug/L vug/L itrogen, Total Kjeldahl (TKN) 0.48 0.3 mg/L vug/L vug/L JDpreserved ss8 5 mg/L vug/L vug/L vug/L		401.1 (200.7/6010
otassium 2.68 2 mg/L Image: constraint of the state of th	ValueBelowOCStandar	MAR + (200.8/6020
odium 31.7 5 mg/L Image: constraint of the state of the s	1	401,1 (200.7/6010
trontium 5260 150 ug/L LT = 4000 inc ND 10 ug/L v Metals-ICPMS rsenic 7.09 2 ug/L 70.9% of MCL (0.01 mg/L) v admium ND 0.2 ug/L 70.9% of MCL (0.01 mg/L) v admium ND 0.2 ug/L v v velenium ND 2 ug/L v v Nutrients-Demand ND 2 ug/L v v mmonia 0.455 0.05 mg/L va va hemical Organic (TOC) ND 2 mg/L va va itrate+Nitrite ND 0.1 mg/L va va itrogen, Total Kjeldahi (TKN) 0.48 0.3 mg/L va va Joppreserved 0.03 0.02 mg/L va va ikalinity, Total 358 5 mg/L va va		401.1 (200.7/6010
inc ND 10 ug/L v Metals-ICPMS		401.1 (200.7/6010
Metals-ICPMS irsenic 7.09 2 ug/L 70.9% of MCL (0.01 mg/L) via admium ND 0.2 ug/L via via admium ND 0.2 ug/L via via elenium ND 2 ug/L via via Nutrients-Demand 0.455 0.05 mg/L via via arbon, Total Organic (TOC) ND 2 mg/L via hemical Oxygen Demand (COD) ND 20 mg/L via itrate+Nitrite ND 0.1 mg/L via hosphorus 0.03 0.02 mg/L via via JDpreserved Ikalinity, Total 358 5 mg/L in inforde 58.7 20 ug/L in in in	ValueBelowQCStandar	MAJeb(200.7/6010
Insertic 7.09 2 ug/L 70.9% of M(CL (0.01 mg/L)) Image: Constraint of the state		
admium ND 0.2 ug/L vv elenium ND 2 ug/L vv Nutrients-Demand vv vv vv arbon, Total Organic (TOC) ND 2 mg/L vv hemical Oxygen Demand (COD) ND 20 mg/L vv hemical Oxygen Demand (COD) ND 20 mg/L vv hemical Oxygen Demand (COD) ND 0.1 mg/L vv hosphorus 0.03 0.3 mg/L va Jnpreserved S8.7 20 ug/L v warde 58.7 20 ug/L va	1	
elenium ND 2 ug/L V Nutrients-Demand 0.455 0.05 mg/L V arbon, Total Organic (TOC) ND 2 mg/L V/ hemical Oxygen Demand (COD) ND 20 mg/L V/ ittrate+Nitrite ND 0.1 mg/L V/ ittrate+Nitrite ND 0.1 mg/L V/ introgen, Total Kjeldahl (TKN) 0.48 0.3 mg/L V/ hosphorus 0.03 0.02 mg/L V/ Jnpreserved Ikalinity, Total 358 5 mg/L V/ introde 58.7 20 ug/L V/ V/		460.1 (200.8/6020
Nutrients-Demand 0.455 0.05 mg/L Image: Constraint of the state of the sta	ValueBelowQCStandard	VinteB(200.8/6020
mmonia 0.455 0.05 mg/L Image: Construction of the state of	valueBelowQCStandard	ABREBISOO'S' OOSO
Immonia 0.455 0.05 mg/L Immonia V/ arbon, Total Organic (TOC) ND 2 mg/L V/ hemical Oxygen Demand (COD) ND 20 mg/L V/ litrate+Nitrite ND 0.1 mg/L V/ litrate+Nitrite ND 0.1 mg/L V/ litrate+Nitrite ND 0.1 mg/L V/ litrogen, Total Kjeldahl (TKN) 0.48 0.3 mg/L V/ hosphorus 0.03 0.02 mg/L V/ Unpreserved Ikalinity, Total 358 5 mg/L Image/L romide 58.7 20 ug/t Image/L Image/L Image/L	4	
Arboin, fotal Organic (FOC) ND 2 mg/L w hemical Oxygen Demand (COD) ND 20 mg/L w itrate+Nitrite ND 0.1 mg/L w itrogen, Total Kjeldahl (TKN) 0.48 0.3 mg/L w hosphorus 0.03 0.02 mg/L w Jnpreserved ss8 5 mg/L w romide 58.7 20 ug/L w		250.4 (350.1)
Interface oxygen behalad (COD) ND 20 mg/L v/ itrate+Nitrite ND 0.1 mg/L v/ itrogen, Total Kjeldahl (TKN) 0.48 0.3 mg/L v/ hosphorus 0.03 0.02 mg/L v/ Jnpreserved v/ v/ v/ klalinity, Total 358 5 mg/L v/ nomide 58.7 20 ug/L v/	ValueBetweenQL-Std V	1336e3 (SM 5310C)
Itrogen, Total Kjeldahl (TKN) 0.48 0.3 mg/L v// hosphorus 0.03 0.02 mg/L Jnpreserved v// v// v// klalinity, Total 358 5 mg/L nomide 58.7 20 ug/L	ValueBelowQCStandard	Val 0.efb (SM 5220D)
Interview One O.S. mg/L Image Jonneserved State State State Image	ValueBelowQCStandard	Values(USEPA Redu
Jack Jose Jose <th< td=""><td></td><td>250.6 (351.2)</td></th<>		250.6 (351.2)
Ikalinity, Total 358 5 mg/L Image: second secon		260.8 (365.4)
ikinity, lotal 358 5 mg/L romide 58.7 20 ug/L Image: Constraint of the second of t		2
S8.7 20 ug/L aloride 53.1 5 mg/L		220.2 (SM 2320B)
1010e 23.1 5 mg/L		290.1 (300.1)
uoride 10.803 loop til		230.2 (SM 4500 CI
		290.1 (300.1)
tal Dissolved Solids		270.3 (SM 4500 SC
Liberto Commenter		130.2 (USGS I-1750
jrieid Comments		

QL: Quantition Limit N/A: Not Applicable

compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.

Brick Red Exceeds Primary MCL Yellow CBE exceeds +/- 5%

1_10 = One and Ten Day Health Advisory Exceedance

Page 1 of 25

Chio Environmental Protection Agency	ent Ground Water Qu Dund Water anic results from ra	ality Monito	ring Program ity Results	Charge Balance Error	Analyte Count on Analyte Detected	Sheet 31 Count -1
Station Name Ashville Wellfield	Well Num 3	Ambie				1 -
Sample Num	Data /Time and in income	Filliple	SPICO0000	Samp. Status Actives	Standard PWS ID	OH6500012
	Date/Time 11/1/2022	12:45:00 Sar	npler Poole, Sydney	Sample Type Inc	organic QC Code	None
Chem. Sheet ID 16132 Matrix G	round Water Sheet St	tatus Approv	ed County Pic	kaway Distric	t CDO Well Log	# 266009
Well Depth (ft) 74 Casing Length	n (ft) 64 Lith. Open Se	ection Sand a	nd Gravel Malor Lith.	Unconsolidated	Aquifer Name	a luna huun
FieldDeveneter		Reporting	Drimanu/Sacandanu/	Marchine and A	Eds(C	olumbus
rieidParameter	Result/Unit	Limit	Action Lim. Benchmarks	Benchmarks	Lab Remark	Lab Mothod
Oxidation Reduction Potential (ORP)	0	N/A				
Metals-ICP						1
Aluminum	I ND	1 200 - 0	ř			
Barium	175	200 ug/L			ValueBelowQCStandar	Vanie 200.7/6010
Boron	ND ND	15ug/L		1		401.1 (200.7/6010
Calcium	108	200 ug/L			ValueBetweenQL-Std V	aldelet 200.7/6010
Chromium	ND	2 mg/L				401.1 (200.7/6010
Conner	2 77	2 ug/L			ValueBelowQCStandar	V#02eb(200.8/6020
Hardness Co + Mg	1 121	2 ug/L				460.1 (200.8/6020
ron	4140	10 mg/L				401,1 (200.7/6010
and	4140	50 ug/L	> SMCL (0.3 mg/L)			401.1 (200.7/6010
Magnesium		2 ug/L			ValueBelowQCStandar	VARQeB(200.8/6020
Manganasa	37.7	1 mg/L	2 10 10			401.1 (200.7/6010
Niskal	91.0	10 ug/L	> SMCL (0.05 mg/L)			401.1 (200.7/6010
Potassium		2 ug/L			ValueBelowQCStandar	VH02-b(200.8/6020
Fotassium Sedium	2.85	2 mg/L				401.1 (200.7/6010
Stranting	40.6	5 mg/L				401.1 (200.7/6010
Strontium	5350 🕫	150 ug/L		LT = 4000		401.1 (200.7/6010
		10 ug/L			ValueBelowQCStandar	VAR1eB(200.7/6010
Metals-ICPMS						
Arsenic	7.07	2 ug/L	70.7% of MCL (0.01 mg/L)		1	100 1 /200 0 /0020
Cadmium	ND	0.2 ug/L	(010010) 01		In a war w	460.1 (200.8/6020
ielenium	ND	2 ug/L			ValueBelowQCStandard	VIA9eB(200.8/6020
Nutrients-Demand				and the second	ValueBetweenQL-Std V	1088et4200.8/6020
Ammonia	0.461	0.05 mg/L				250.4 (350.1)
arbon, Total Organic (TOC)	ND	2 mg/L			ValueBetweenQL-Std V	1325 (SM 5310C)
hemical Oxygen Demand (COD)	ND	20 mg/L			ValueBelowOCStandar	320-A(SM 5220D)
litrate+Nitrite	ND	0.1 mg/L			ValueBelowOCStandard	Van alusepa Redu
litrogen, Total Kjeldahl (TKN)	0.646	0.3 mg/L				250.6 (351.2)
hosphorus	ND	0.02 mg/L			ValueBelowOCStandard	V260-8 (365.4)
Unpreserved					1	THREE
Ikalinity, Total	366	5 mg/L				220.2 (SM 2320B)
romide	55.6	20 ug/L				290.1 (300.1)
hloride	81	5 mg/L				230.2 (SM 4500 CI
luoride	0.775	0.02 mg/L				290.1 (300.1)

Field Comments

Sulfate

Total Dissolved Solids

End of sample # 22102702-03

10 mg/L > SMCL (500 mg/L)

10 mg/L

Explanations	Results color fields
ND: Non Detect	Colored fields highlight r
QL: Quantition Limit	compliance thresholds. S
N/A: Not Applicable	shown for comparison pu

Colored fields highlight results greater than Drinking Water compliance thresholds. Since Ambient samples are not used for compliance evaluations, these thresholds are shown for comparison purposes only.

78.9

578

 Tan
 Exceeds Action Level (lead and copper only)

 Violet
 Exceeds Secondary MCL

 Brick Red
 Exceeds Primary MCL

 Yellow
 CBE exceeds +/- 5%

LT = Life Time Health Advisory Exceedance

270.3 (SM 4500 50

130.2 (USGS 1-1750

1_10 = One and Ten Day Health Advisory Exceedance

Ohio Environmental Protection Agency	nd Water	Quali	ty Results	Balance Error +2.8%	Analyte Count on S	Sheet 31 Count -1
tion Name Ashville Wellfield	Well Num 3	Amhie		Samp Status Actives	tandard Diar ID	000500012
nnia Num	to/Time 4/27/2022 12	Filipici	anlen Boole, Sudaou	Samp. Status Actives		UHOSUUUIZ
	4/2//2022 1/	2:30:00 Jan	npier Poole, Sydney	Sample Type Ino	rganic QC Code	None
m. sneet ID 10055 Matrix Grou	nd Water Sheet Sta	tus Approv	ed County Pic	kaway District	CDO Well Log	# 266009
ll Depth (ft) 74 Casing Length (ft) 64 Lith. Open Sec	tion Sand a	nd Gravel Major Lith.	Unconsolidated	quifer Name EastC	olumbus
ieldParameter		Reporting	Primary/Secondary/	Health Advisory		
vidation Paduation Patantial (OPP)	Result/Unit	Limit	Action Lim. Benchmarks	Benchmarks	Lab Remark	Lab Method
4	7.37	N/A			-	
pecific Conductance	849	I N/A	l	1		1
mperature, water	14.1	N/A		1	ValueBelowOCStandar	ValueB
tal Dissolved Solids (TDS), Field	580	N/A		1	- Valde Sciewegestendar	4 VOIDED.
Metals-ICP			•			
vietais-ier		1			1	1
uminum	157	200 ug/L			ValueBelowQCStandar	401 1 (200 7/601
arran	ND	200 un/l		1	Value Dature of the	401.1 (200.7/601
alcium	109	200 ug/L			ValueBerweenQL-Std V	401 1 (200 7/601
romium	ND	2 ug/L		1	ValueBelowOCStandar	460.460.4602
opper	ND	2 ug/L			ValueBetweenQL-Std \	1469-1 (200.8/602
ardness, Ca + Mg	427	10 mg/L				401.1 (200.7/60)
on	2760	50 ug/L	> SMCL (0.3 mg/L)			401.1 (200.7/601
ad	ND	2 ug/L			ValueBelowQCStandar	AAD
agnesium	37.4	1 mg/L				401.1 (200.7/601
anganese	96.3	10 ug/L	> SMCL (0.05 mg/L)			401,1 (200.7/60)
ckel	ND	2 ug/L		1	ValueBetweenQL-Std \	1669et 200.8/602
otassium	2.87	2 mg/L				401.1 (200.7/60)
dium	33.6	5 mg/L		1		401,1 (200.7/60)
rontium	4660 *	30 ug/L		LT = 4000		401 1 (200.7/601
nc	ND	10 ug/L			ValueBelowQCStandar	VAN-B(200.7/601
Metals-ICPMS						
senic	6.58	2 ug/L	65.8% of MCL (0.01 mg/L)	1	1	460.1 (200.8/602
admium	ND	0.2 ug/L		1	ValueBetweenOL-Std \	1468-1-(200.8/602
lenium	ND	2 ug/L		1	ValueBelowQCStandar	460-B(200.8/602
Jutrients-Demand						
denents-Demand	0.420		12	r	ang (1
nmonia	0.428	0.05 mg/L		1	1	250.4 (350.1)
amical Organic (IOC)	ND	2 mg/L		1	ValueBetweenQL-Std \	1.320 A/SM 53100
trate+Nitrite	ND			1	ValueBelowQCStandar	Q VOADGBI 2101 2550
trogen Total Kieldahl (TKN)	0.426	0.1 mg/L		1	ValuebelowQCStandar	250 6 (351 2)
losphorus	ND	0.02 mg/L			ValueBelowOCStandar	260-8k(365.4)
Inprocortion		1 0102 116/2			ValdebelowCCStandar	d huntering of
hpreserveu				т	S10.	
kalinity, Total	338	5 mg/L		1		220.1 (310.1)
omide	62.2	20 ug/L		1		290.1 (300.1)
lloride	48.9	5 mg/L		1		230.2 (325.1)
lifeto	0.869	0.02 mg/L		1		290.1 (300.1)
tal Dissolved Solids	508	10 mg/L	SEACL (SOO made)	1	-	12/0.3 (3/5.2)
		I IU mg/L	> SWICE (SOU INB/E)			130.2 (05651-17
Field Comments		1. e				
	En	d of sample #	22030710-02			
Explanations Results color	fields		Tan Exceeds Action Lo	vel (lead and conner ash)	* LT = Life Time He	alth
			ISU CREEDS ACTION LO	ver ueau anu cooper onivi	Advisers Freedad	

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Ohio Environmental Protection Agency	Ind Water	Quali	ty Results 1 Ambient well wate	Error -2.8%	Analyte Detected (Count -1
ation Name Ashville Wellfield	Well Num 3	Ambier	nt Well ID 39PIC08888	Samp. Status ActiveSta	andard PWSID	OH6500012
mple Num 21050310-0: Sample Da	te/Time 5/19/2021 11	:30:00 Sam	pler Poole, Sydney	Sample Type Inor	ganic QC Code	None
em Sheet ID 15469 Matrix Grou	nd Water Sheet Sta	tus	County Pic	District	Well Log	# 266000
	nu water sta	Approve	ed Fich	away District	CDO Wein Log	200009
ell Depth (ft) 74 Casing Length (ft) 64 Lith. Open Sec	tion Sand a	nd Gravel Major Lith.	Jnconsolidated Ac	ulfer Name EastCo	olumbus
FieldParameter	Popult/Unit	Reporting	Primary/Secondary/	Health Advisory	Lab Domark	Lab Mathad
oxidation Reduction Potential (ORP)	-91		Action Lim, Benchmarks	Benchmarks	Lab Kemark	Lab Wethod
H	7.32	N/A				
pecific Conductance	679	N/A				
emperature, water	16.6	N/A			ValueBetweenQL-Std V	lueBetv
otal Dissolved Solids (TDS), Field	469	N/A				
Metals-ICP						
luminum	ND	200 ug/L			ValueRetweenOL-Std V	1494-1/200.7/6010
arium	131	15 ug/L				401.1 (200.7/6010
oron	ND	200 ug/L			ValueBetweenQL-Std V	1404et (200.7/6010
alcium	87.3	2 mg/L				401.1 (200.7/6010
hromium	ND	2 ug/L			ValueBelowQCStandar	Angeb(200.8/6020
opper	ND	2 ug/L			ValueBetweenQL-Std V	1468e1 (200.8/6020
ardness, Ca + Mg	349	10 mg/L				401,1 (200,7/6010
on	1930	50 ug/L	> SMCL (0.3 mg/L)			401,1 (200,7/6010
ead	ND	2 ug/L			ValueBelowQCStandar	Angeb(200.8/6020
Aagnesium	31.9	1 mg/L				401.1 (200.7/6010
langanese	60.8	10 ug/L	> SMCL (0.05 mg/L)			401.1 (200.7/6010
ickel	ND	2 ug/L			ValueBetweenQL-Std V	1069et (200.8/6020
otassium	ND	2 mg/L			ValueBetweenQL-Std V	1463el (200.7/6010
odium	20.3	5 mg/L		17. 4000		401.1 (200.7/6010
trontium		150 ug/L		LI = 4000	-	401.1 (200,7/6010
		1 10 Ug/L			ValueBelowQCStandar	A ARMERIZOO
Metals-ICPMS				41		
rsenic	11.9	2 ug/L	> MCL (0.01 mg/L)		_	460.1 (200.8/6020
admium	ND	0.2 ug/L			ValueBelowQCStandar	V60e8(200.8/6020
elenium	ND	2 ug/L			ValueBelowQCStandar	VIADeB(200.8/6020
Nutrients-Demand						
mmonia	0.545	0.05 mg/L			1	250.4 (350.1)
arbon, Total Organic (TOC)	ND	2 mg/L			ValueBetweenQL-Std V	1335 3 (SM 5310C)
hemical Oxygen Demand (COD)	ND	20 mg/L			ValueBelowQCStandar	Waller (SM 5220D)
itrate+Nitrite	ND	0.1 mg/L			ValueBelowQCStandar	VIII Red
itrogen, Total Kjeldahl (TKN)	0.743	0.3 mg/L				250.6 (351.2)
hosphorus	0.0231	0.01 mg/L				260.8 (365.4)
Unpreserved						
Ikalinity, Total	343	5 mg/L	(1	220.1 (310.1)
romide	ND	100 ug/L			ValueBetweenQL-Std \	1388e1 (300.1)
hloride	15.7	5 mg/L				230.2 (325.1)
uoride	0.852	0.1 mg/L				290.1 (300.1)
ulfate	51.5	10 mg/L				270.3 (375.2)
otal Dissolved Solids	424	10 mg/L				130.2 (USGS I-175
Field Comments						
	En	d of sample #	21050210 02			

Explanations	Results color fields	Tan	Exceeds Action Level (lead and copper only)	LT = Life Time Health Advisory Exceedance
ND: Non Detect QL: Quantition Limit	Colored fields highlight results greater than Drinking Water compliance thresholds, Since Ambient samples are not used for compliance evaluations, these thresholds are	Violet Brick Red	Exceeds Secondary MCL Exceeds Primary MCL	1_10 = One and Ten Day
N/A: Not Applicable	shown for comparison purposes only.	Yellow	CBE exceeds +/- 5%	Exceedance

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Protection Agency Inorgan	the second of the formation of the second seco		A S. I.T. A. H. A.	12.294	Analyte Detected	Count -1
ton Name Ashville Wellfield	IC results from rav	/, untreate	d Amblent well wat	er 1 +3.3%	the second se	1 -
ade Numer Astronice Weinfeld	wei wum 5	Amble	10 39PIC08888	samp. status Activest	andard PWS ID	OH6500012
19102209-0; Sample D	ate/ lime 10/23/2019	11:15:00 San	npler Byerly, Sarah	Sample Type Inor	ganic QC Code	None
m. Sheet ID 14975 Matrix Grou	und Water Sheet Sta	Approv	ed County Pic	kaway District	CDO Well Log	# 266009
II Depth (ft) 74 Casing Length (f	t) 64 Lith. Open Sec	tion Sand a	nd Gravel Major Lith.	Unconsolidated A	quifer Name EastC	olumbus
lioldParamotor		Reporting	Primary/Secondary/	Health Advisory		
leiuraiametei	Result/Unit	Limit	Action Lim. Benchmarks	Benchmarks	Lab Remark	Lab Method
<pre>cidation Reduction Potential (ORP) .</pre>	+724	N/A			_	
1	7.79	N/A		1		1
monorature water	13.1	N/A				
tal Dissolved Solids (TDS) Field	745			1	ValueBetweenQL-Std V	lueBetv
Actolo JCD	1 110	I N/A				
vietals-ICP						
uminum	ND	200 ug/L			ValueBetweenQL-Std V	1628el (200.7/6010
rium	174	15 ug/L				401.1 (200.7/6010
pron	ND 100	200 ug/L			ValueBetweenQL-Std V	1000e1/200.7/6010
licium		10 mg/L			-	401.1 (200.7/6010
Iromium		2 ug/L			ValueBelowQCStandar	√499eb(200.8/6020
ardnass Ca + Mg	3.09	2 ug/L		1		460.1 (200.8/6020
naness, ca + mg	3840	10 mg/L	> SMCL (0.3 mg/l)	1		401.1 (200.7/6010
ad	I ND		> strice (0.5 mg/c)			401,1 (200.7/6010
agnesium	35.9			1		401.1 (200.7/6010
anganese	94.2	10 ug/L	> SMCL (0.05 mg/L)			401.1 (200.7/6010
ckel	3.3	2 ug/L				460.1 (200.8/6020
tassium	2.74	2 mg/L				401.1 (200.7/6010
dium	34.7	5 mg/L				401.1 (200.7/6010
rontium	5320 *	150 ug/L		LT = 4000		401.1 (200.7/6010
nc	ND	10 ug/L			ValueBelowQCStandar	VRJeB(200.7/6010
Aetals-ICPMS						
senic	6.41	2 110/1	54.1% of MCL (0.01 mg/L)	1	1	460 1 (200 8/6020
dmium	ND	0.2 ug/L	5 Hard 61 Higt 61 61 61	1	ValueBetweenOL Std V	460.1 (200.8/6020
lenium	ND	2 ug/L			ValueBetweenQL-Std V	1469-11200.8/6020
lutrients-Demand					This course in a star	Placeter
utients-Demanu	1.045	toses III e c	1	1	a a	
nmonia	U.46	0.05 mg/L				250.4 (350.1)
emical Owners Demand (COD)		2 mg/L		1	ValueBetweenQL-Std V	1339e3 (SM 5310C)
trato+Nitrito	I ND	20 mg/L			ValueBelowQCStandar	VBR028(SM 5220D)
trogen, Total Kieldahl (TKN)	0.524			1	ValueBelowQCStandar	250 6 (261 3)
osphorus	0.0123	0.01 mg/l				250.8 (355.4)
Innerconcod		0.01 116/1				20010 (30314)
mpreserved		i al	Ĩ			
kalinity, Total	320	5 mg/L				220.1 (310.1)
omide	ND I TR C	100 ug/L			ValueBetweenQL-Std V	12284 (300.1)
loride	39.6	5 mg/L				230.2 (325.1)
lfato	67	0.2 mg/L				280.1 (SM 4500-F
tal Dissolved Solids	506	10 mg/L	S Charl (E00 mm/l)	1		270.3 (375.2)
		1 to mg/L	> sivice (and tull) []			130,2 (USGS -175
Field Comments						
	En	d of sample #	19102209-03			
Explanations Results color	fields		Top Every de Astra		* LT = Life Time Her	allh

www.epa.ohlo.gov/ddagw 50 W. Town St., Ste. 700 P.O. Box 1049 Columbus, OH 43216-1049 (614) 644-2752 (614) 644-2909 (fax) Page 5 of 25

Chio Environmental Protection Agency	Ground Water Qua Ind Water ic results from raw	lity Monitor Quali I, untreater	ring Program ty Results d Ambient well wate	Charge Balance Error -2.3%	Analyte Count on S Analyte Detected	iheet 31 Count -1
tion Name Ashville Wellfield	Well Num 3	Ambier	nt Well ID 39PIC08888	Samp. Status Actives	itandard PWS ID	OH6500012
mple Num 19052403-0 Sample Da	ate/Time 6/11/2019 1	0:00:00 Sam	pler Bondoc, Michael	Sample Type	organic QC Code	None
em Sheet ID 14796 Matrix Grou	und Wator Sheet Sta	itus	County Pic	caway Distric		# 266009
ell Depth (ft) 74 Casing Length (f	t) 64 Lith. Open Sec	tion Sand a	nd Gravel Major Lith.	Unconsolidated	Aquifer Name EastC	olumbus
FieldParameter		Reporting	Primary/Secondary/	Health Advisory		
rielurarameter	Result/Unit	Limit	Action Lim. Benchmarks	Benchmarks	Lab Remark	Lab Method
xidation Reduction Potential (ORP)	-39	N/A				
H	7.05	N/A				
pecific Conductance	880	N/A				
emperature, water	14.1	N/A			ValueBelowQCStandar	ValueB:
Stal Dissolved Solids (105), Field	1 012	N/A				
vietais-ICP	L ND	1	ſ		1	1
		1 200 ug/L		1	ValueBelowQCStandar	d VelleB(200,7/6010
	130			1		401.1 (200.7/6010
alation	101	200 ug/L			Value8etweenQL-Std V	401 1 /200 7/6010
				1		401.1 (200.7/8010
nromium	2.64		1		ValueBelowQCStandar	450 1 (200 8/502
ardpass Ca + Mg	397	10 mg/l				401.1 (200.7/6010
	2540	50 ug/l	> SMCL (0.3 mg/L)			401.1 (200.7/601
		2 10/1	· Shiel (sis higher	1	ValueRelowOCStandar	460 ab (200.8/602)
lagnesium	35.2	1 mg/l			Landebelowccommun	401.1 (200.7/601
langanese	97.1	10 ug/l	> SMCL (0.05 mg/L)			401.1 (200.7/601
ickel	2.43	2 ug/L				460.1 (200.8/602
otassium	2.64	2 mg/L				401.1 (200.7/601
odium	38.3	5 mg/L				401.1 (200.7/601
rontium	4870 *	30 ug/L		LT = 4000		401.1 (200.7/6010
inc	16.1	10 ug/L				401.1 (200.7/601
Metals-ICPMS						
	1 66	1.2.00		1		1 450 1 (200 0/502
rsenic		2 ug/L	66.0% OT MICE (0.01 mg/L)	1		460.1 (200.8/602
admium		0.2 ug/L	1	1	ValueBelowQCStandar	4 VERY 08/200.8/602
		2 UB/L			ValueBelowQCStandar	d Antitest social cost
Nutrients-Demand		a		5	3	2
mmonia	0.471	0.05 mg/L				250.4 (350.1)
arbon, Total Organic (TOC)	2.04	2 mg/L				335.3 (SM 5310C)
hemical Oxygen Demand (COD)	ND	20 mg/L			ValueBelowQCStandar	0 VAR 0 28 (SM 5220D)
itrate+Nitrite	0.201	0.1 mg/L				250.8 (USEPA Red
itrogen, Total Kjeldahl (TKN)	0.576	0.3 mg/L				250.6 (351.2)
hosphorus	0.0107	0.01 mg/L				260.8 (365.4)
Jnpreserved						
Ikalinity, Total	351	5 mg/L				220.1 (310.1)
romide	64.8	20 ug/L				290.1 (300.1)
hloride	57.7	5 mg/L				230.2 (325,1)
uoride	0.747	0.2 mg/L				280.1 (SM 4500-F
ulfate	71	10 mg/L				270.3 (375.2)
stal Dissolved Solids	532	10 mg/L	> SMCL (500 mg/L)			130.2 (USGS I-175
Field Comments						
	Et	nd of sample #	19052403-02			
			1002-00-02			

used for compliance evaluations, these thresholds are shown for comparison purposes only.

N/A: Not Applicable

Yellow CBE exceeds +/- 5%

A Health Advisory Exceedance

Protection Agency Inorgan	nic results from ra	w, untreate	d Ambient well wat	er -3.9%	Analyte Detected	Count -1
ation Name Ashville Wellfield	Well Num 3	Ambie	nt Well ID 39PIC08888	Samp. Status ActiveSt	andard PWS ID	OH6500012
mple Num 18102406-0; Sample C	ate/Time 10/25/2018	3 09:30:00 Sar	npler Byerly, Sarah	Sample Type Inor	ganic QC Code	None
em. Sheet ID 14581 Matrix Gro	und Water Sheet S	tatus Approv	County Pic	kaway District	CDO Well Los	# 266009
ell Depth (ft) 74 Casing Length (ft) 64 Lith. Open Se	ection Sand a	nd Gravel Major Lith			200005
ci. Lip.		Poporting			uner name EastC	olumbus
FieldParameter	Result/Unit	Limit	Action Lim. Benchmarks	Benchmarks	Lah Remark	Lab Method
Oxidation Reduction Potential (ORP)	+723	N/A	1	I		
<u>pH</u>	7.03	N/A				
pecific Conductance	1030	N/A				
emperature, water	13.7	N/A			ValueBelowQCStandar	ValueB
Metals-ICP						
luminum	ND	200 ug/L	L		ValueBelowQCStandar	A01eb(200.7/6010
arium	163	15 ug/L				401,1 (200,7/6010
oron	ND	200 ug/L			ValueBetweenQL-Std V	1009et 200.7/6010
alcium	116	10 mg/L				401.1 (200.7/6010
hromium	ND	2 ug/L			ValueBelowQCStandar	VAD 28(200.8/6020
copper	5.35	2 ug/L				460.1 (200.8/6020
laroness, Ca + Mg	455	10 mg/L	10.2010.000			401.1 (200.7/6010
ead	1 4 96	50 ug/L	> SMCL (0.3 mg/L)		_	401.1 (200.7/6010
Agnesium	40.4	Z ug/L				460.1 (200.8/6020
Aanganese	108	10 ug/L	SBACL (0.05 mg/L)		-	401.1 (200.7/6010
lickel	2.91	2 ug/t	> Since (alos hig/c)			401,1 (200.7/6010
otassium	2.9	2 mg/L				460.1 (200.8/6020
odium	40.1	5 mg/L				401.1 (200.7/6010
trontium	5850 *	150 ug/L		LT = 4000		401 1 (200 7/6010
inc	ND	10 ug/L			ValueBelowOCStandard	VI01-b(200.7/6010
Metals-ICPMS		5				
rsenic	6.05	2	50 5% of MCL/0.01 mg/L)		1	
admium	ND ND		00.376 OF MCL (0.01 mg/L)			460.1 (200.8/6020
elenium	ND	2 48/1			ValueBelowQCStandard	VHDeb(200.8/6020
Nutrients-Demand		- 0 <u>6</u> /c			ValueBelowQCStandard	V88/eB(200.8/6020
Withents-Demand	1 0 101					
arbon Total Organic (TOC)	0.494	0.05 mg/L			-	250.4 (350.1)
hemical Oxygen Demand (COD)	20.7	2 mg/L	1		ValueBelowQCStandar	Value (SM 5310C)
itrate+Nitrite		20 mg/L				320.4 (SM 5220D)
itrogen. Total Kieldahl (TKN)	0.642	0.1 mg/L			ValueBelowQCStandard	VAD B(USEPA Redu
nosphorus	ND	0.02 mg/L				250.6 (351.2)
Inpreserved		GIOL HIGH			ValueBetweenQL-Std V	14641634(365.4)
Shpreserved	1					
kalinity, lotal	388	5 mg/L				220.1 (310.1)
Jorida	08.5	20 ug/L				290.1 (300.1)
loride	87.5	5 mg/L				230.2 (325.1)
lfate	76.4	0.2 mg/L				280.1 (SM 4500-FC
tal Dissolved Solids	658	10 mg/L	> SMCI (500 ma/L)			270.3 (375.2)
Field Comments		I to mg/L	> SWICE (SOO INBUE)			130.2 (SM 2540C)
iried comments						
	Er	nd of sample #	18102406-02			

A 1_10 = One and Ten Day Health Advisory Exceedance



WATER REGIONALIZATION DISCUSSION

Water Regionalization Discussion Minutes 1-29-2024 Prepared by LA McFarland

- 1. Introductions and Attendance See attached attendance sheet.
- 2. Needs and Goals of Each System
 - a. Ashville Needs and Goals
 - i. Mr. Christman stated that water capacity is needed very soon.
 - ii. Emergency connection with Earnhart Hill under design (200,000 gpd).
 - iii. Mr. Tebbe stated that a new Water Tower and new pressure zone within Ashville to be established north of TVEMS. Static water level approximately 30-ft higher than existing system.
 - iv. Current 1.3 MGD WTP design is underway with new WTP plant to be on-line in 2027. Cost of new plant and tower estimated at \$14 million.
 - v. 1,500 homes planned or are in the process of being built.
 - vi. The planned water system improvements are not designed for the west side of the village (west of the railways).
 - b. City of Circleville
 - i. Mr. Stanley stated the city does not currently soften and would like to upgrade their existing 4MGD plant with membrane treatment. Cost of plant estimated at \$20 million.
 - ii. Mr. Frost would like to Increase water pressure north and east side of town.
 - c. Earnhart
 - i. Mr. McFarland reported steady growth within the district and would like to support development.
 - ii. Be a partner in regionalization.
 - d. P3
- i. Mr. Colburn supports regionalization and development along the US 23 corridor and JEDD areas.
- ii. Support both residential and industrial/commercial development.
- iii. Will assist in obtaining funds for regionalization projects.
- 3. Existing Regionalization efforts discussed.
 - a. City and Earnhart emergency connection is valued by both systems.
 - b. City and Earnhart share territories at OCU and Eastwood subdivisions. City provides sanitary sewer to annexed areas and Earnhart provides water.
 - c. Ashville and Earnhart connection under design and will provide supplemental water to Ashville. The current capacity available is estimated at (200,000 gpd).
 - d. Ashville and City of Columbus are discussing a connection option.
- 4. McFarland presented a hypothetical regionalization plan including financial estimates that would include all utilities under the following scenario:
 - a. Circleville immediately upgrades to a 4MD softening plant.

- b. Earnhart constructs a trunk water main and booster station which would connect with Earnhart Zone 6 and Ashville water system. Earnhart would buy water from Circleville, transmit this water through its piping system to Ashville.
- c. Cost of Ashville contribution to water trunk line and City WTP upgrade is less than stand along water treatment plant improvements.
- 5. Next Steps
 - a. McFarland to send financial spreadsheet to attendees (attached with these minutes).
 - b. Group to reconvene within a month after internal discussions. McFarland will set up the next meeting.
- 6. Sanitary sewer was discussed and is an important consideration for development. Colburn would like future meetings on developing a sanitary sewer plan for northern Pickaway County. P3 is willing to assist in obtaining funding for studies.
- 7. Water loss was discussed. Ashville reported selling around 300,000 gallons of water but producing about 570,00 gallons of water per day. The City system is selling about 960,000 gallons of water per day and producing an average of 1,600,000 gallons per day. Earnhart sells about 810,000 gallons per day, with an average daily pumping volume of 900,000 gallons per day, which includes process related losses.


PROPOSED WL EHRWSD WL		EARNHART HILL REGIONAL WATER & SEWER DISTRICT	EARNHART HILL
CIRCLEVILLE WL	REGIONALIZATION PLAN FOR - ASHVILLE / CIRCLEVILLE / EARNHART HILL	SCALE : 1" = 1000'	E : 1" = 1000'
TOTAL DISTANCE OF PROPOSED WL - 26,866'		DATE : 01/25/2024 DRAWN BY : C BENNETT	Our Commitment Our Profession I REGIONAL WATER & SEWER DISTRICT

VILLAGE OF ASHVILLE UTILITIES COMMITTEE MEETING MARCH 4, 2024

Matt Scholl called the meeting to order at 5:31 PM. Answering roll call were Chad Noggle and Colton Henson.

Colton Henson moved, seconded by Chad Noggle, to approve the January 30, 2024 minutes as presented. All votes were yay.

OLD BUSINESS

- Franklin Christman reported that he had submitted applications to DEFA for the new water treatment plant, north water tower, and the Earnhart Hill Regional Water and Sewer District (EHRWSD) connection.
- Chris Tebbe reported that EHRWSD wants to put the meter at the south end of the property. Tebbe asked Franklin Christman what the status of the easement was and Christman said the details are still being worked out.

NEW BUSINESS

 Jake Meinerding from Jones & Henry was present to discuss regionalization. Meinerding said that the Village of Ashville, City of Circleville, EHRWSD, Pickaway County Progress Partnership (P3), Tebbe Civil Engineering, and Jones & Henry Engineers met to discuss a regionalization approach for drinking water improvements. EHRWSD proposed they provide Ashville with drinking water via a 12-inch main and booster pump station near the north end of Circleville with the City of Circleville providing the supply from their water treatment plant and distribution system. Meinerding presented a cost analysis that compared the cost for Ashville to build their own plant and the cost of regionalization with Circleville with a total of approximately \$10M. Connecting with Circleville would be approximately \$850K less. Christman distributed a comparison of the water rates for the City of Circleville and Ashville's with Circleville's rates being more that triple the amount of Ashville's. Jim Welsh said if the village connects to EHRWSD they have no say in the rates being charged and have no control over what's being supplied to the residents. Welsh said the connection would be risky and was in favor of building a new plant. Council said they didn't like being at the mercy of another plant controlling water supply. They expressed concern that if for any reason the Circleville plant had issues with water distribution, Ashville residents could be compromised. Council also said they weren't comfortable with the residents paying a rate significantly higher than the Ashville's. They acknowledged that the rates will increase to cover the debt repayment for the construction of the new plant, but it won't be as high as Circleville's rates. Council agreed that there are too many unknowns and with the cost to build a plant being so close, building the plant seemed like the better option. Chris Tebbe agreed that the Circleville connection wasn't the best option. Colton Henson

moved, seconded by Chad Noggle, to move forward with building a water treatment plant. All votes were yay.

- Franklin Christman asked if Council was ready to move forward with the Statement of Qualifications (SOQ) for the WWTP expansion. Chris Tebbe said it's imperative that the village move quickly on the SOQ because the village needs the expansion to accommodate development. Matt Scholl made the recommendation to have council move on the SOQ.
- Steve Welsh reported that the property owner of 344 Long Street contacted him and asked if the village would cover the expense of Roto-Rooter pumping out their basement after a sewer line backed up. Adam Kehoe said that at sometime the sewer line was replaced and whoever did the work cut a hole in the lateral and shoved their sewer line in. Chad Noggle asked if the backup was caused by anything the village had done and Kehoe said no. Noggle said it was the responsibility of the homeowner to have the line inspected when the work was done and he isn't comfortable paying for something that we didn't cause. After discussion council agreed to reject the request to pay the Roto-Rooter bill. Matt Scholl instructed Franklin Christman to send a letter to the resident to notify them of the decision.

Colton Henson moved, seconded by Chad Noggle, to adjourn. All votes were yay and the meeting adjourned at 6:14 PM.

ACCEPTED AND ATTESTED

Matt Scholl, Chairman

April Grube, Clerk



Successful partnerships start with Fluid thinking®

Submitted by Jones & Henry Engineers, Ltd. 4357 Ferguson Drive, Suite 220, Cincinnati, OH 45245