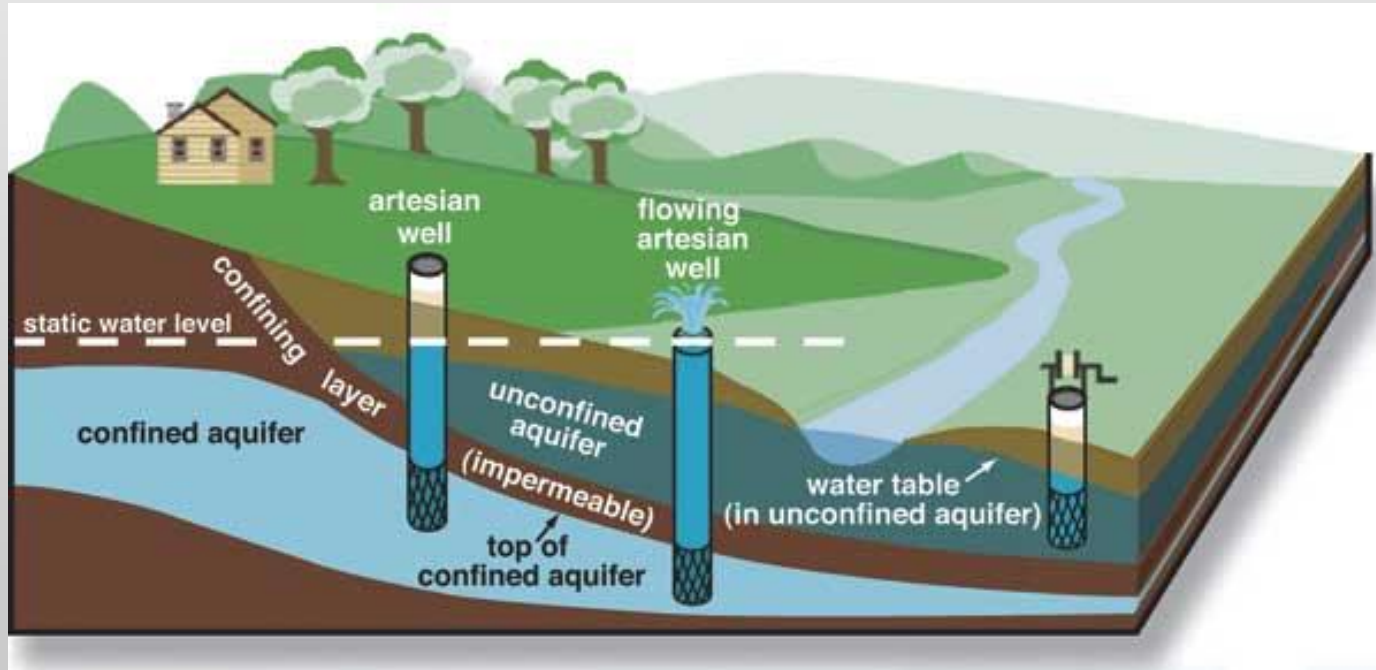


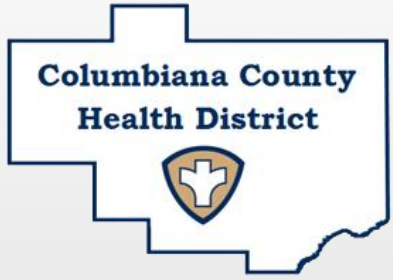
# Private Water Well Sampling Program

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EAST PALESTINE







# Timeline



**Feb 12**

CCHD  
begins  
sampling



**Feb 24**

Final  
sample  
results



**Feb 24**

Priority  
Zones 1&2



**Mar 13**

Second  
round of  
sampling



**April 17**

Priority  
Zones 3&4



**April 17**

Third  
round of  
sampling



# Samples to date

As of May 3, 2023 CCHD has sampled:

398 total private drinking water samples



230 first round samples



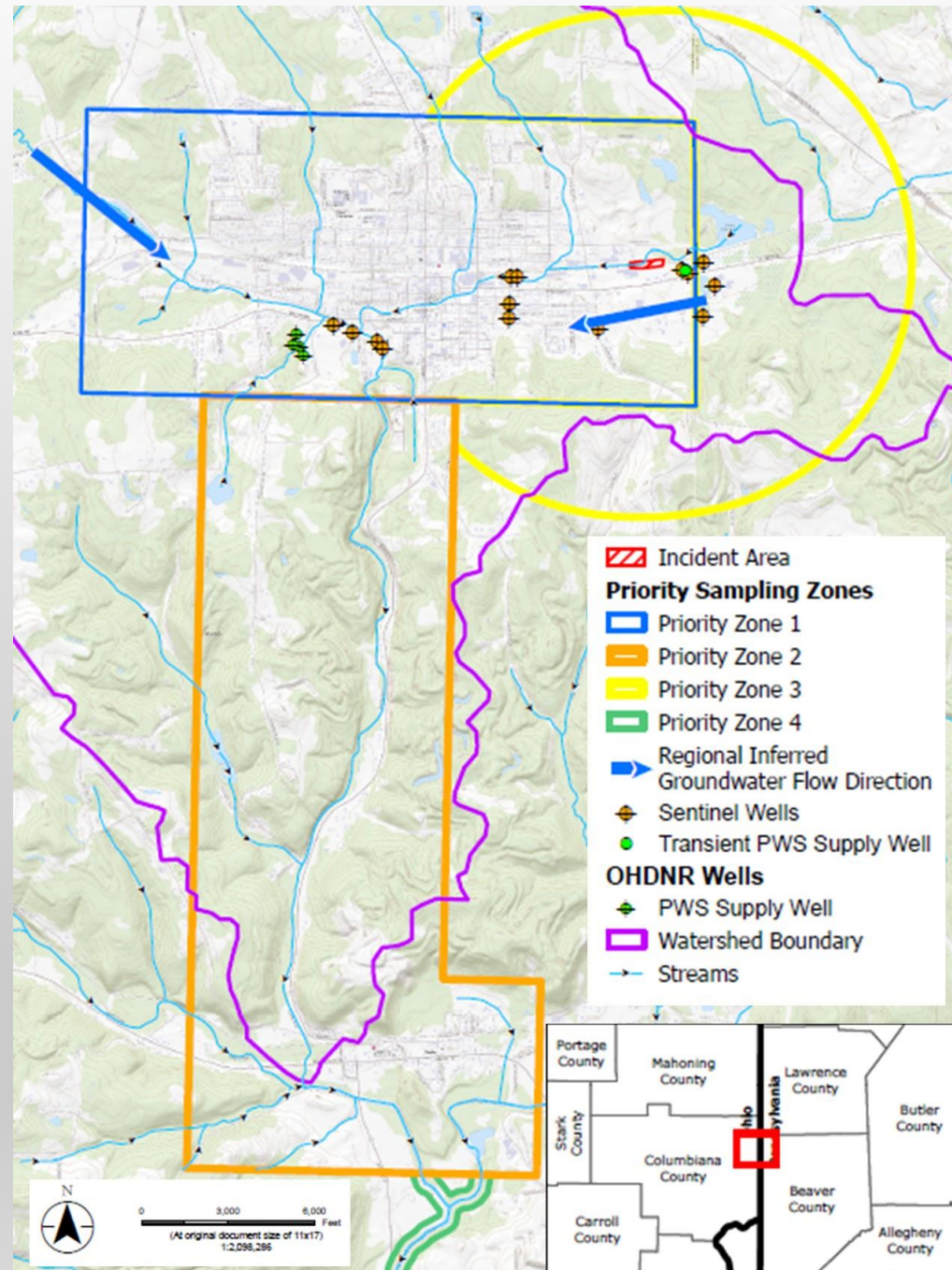
135 second round samples



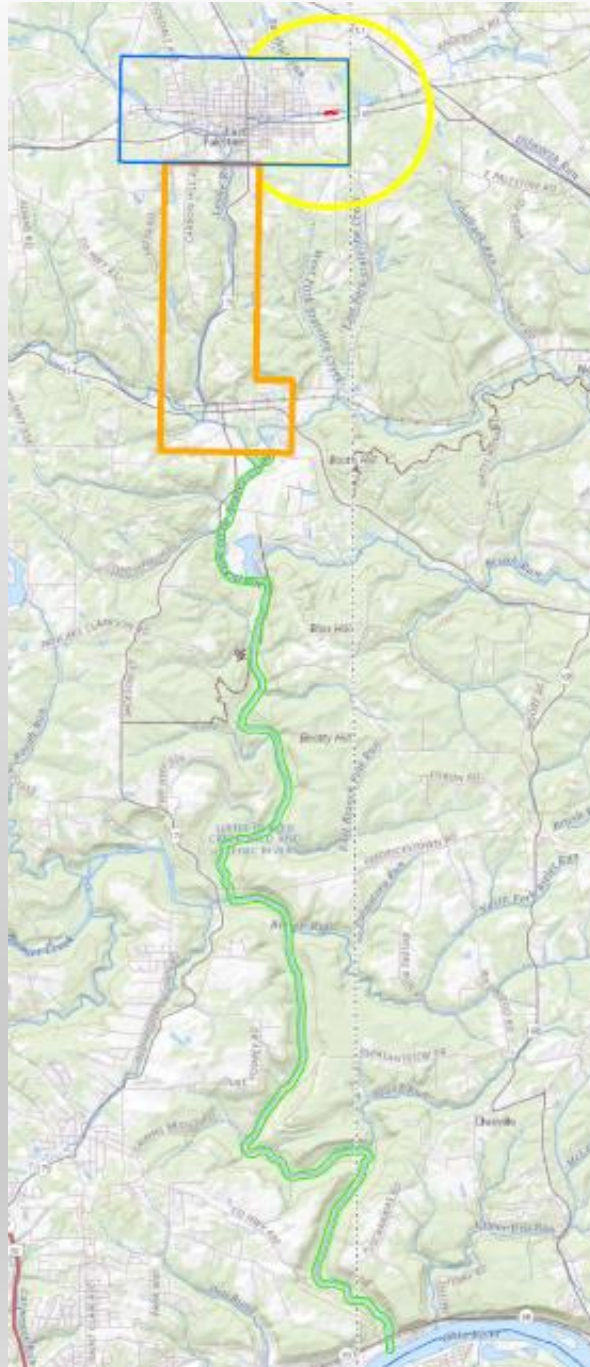
33 third round samples

- Private sampling requests for those in the Priority Zones can still be made by calling 330-849-3919
- Residents out of the Priority Zones can contact a 3<sup>rd</sup> party laboratory for sampling
  - Using an OEPA Certified Lab is recommended

# Priority Zones 1, 2, 3



# Priority Zones 1, 2, 3 & 4





# Chemicals of Concern



- Initial tests included a list of over 180 chemicals due to:
  - Uncertainty of chemicals that were released and possibly created
  - Laboratory methods
- Air, water, soil and sentiment samples have answered these uncertainties
- Current tests include a list of 29 chemicals of concern



# Lab report



- All final laboratory reports can be accessed on our website
- Help with interpretation
  - Basic guide
  - Call our office and schedule an appointment to stop in
  - Residents requesting water well sample results or assistance interpreting results taken by AECOM/Stantec can email: [nstaggartroad@stantec.com](mailto:nstaggartroad@stantec.com)
  - USEPA Community Welcome Center: 25 N. Market St.





## Analytical Report

(consolidated)

WO#: 23041610

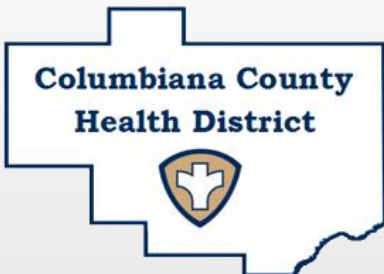
Date Reported: 5/1/2023

**CLIENT:** Mahoning County District Board of Health      **Collection Date:** 4/21/2023 11:45:00 AM  
**Project:** EP (Revised)  
**Lab ID:** 23041610-001      **Matrix:** DRINKING WATER  
**Client Sample ID:** PW-380

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DRINKING WATER ORGANIC COMPOUNDS (EPA 525)</b>					E525	525
<b>SYNTHETIC ORGANIC COMPOUNDS BY GC/MS (EPA 525.3)</b>						Analyst: SAM
Acenaphthylene	ND	0.0962		µg/L	1	4/27/2023 11:08:00 PM
Anthracene	ND	0.0962		µg/L	1	4/27/2023 11:08:00 PM
Benz(a)anthracene	ND	0.0962		µg/L	1	4/27/2023 11:08:00 PM
Benzo(a)pyrene	ND	0.0962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Benzo(b)fluoranthene	ND	0.0962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Benzo(g,h,i)perylene	ND	0.0962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Benzo(k)fluoranthene	ND	0.0962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Chrysene	ND	0.0962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Dibenz(a,h)anthracene	ND	0.0962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Fluorene	ND	0.0962		µg/L	1	4/27/2023 11:08:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.962	QL-	µg/L	1	4/27/2023 11:08:00 PM
Phenanthrene	ND	0.0962		µg/L	1	4/27/2023 11:08:00 PM
Pyrene	ND	0.0962		µg/L	1	4/27/2023 11:08:00 PM
Surr: 1,3-Dimethyl-2-nitrobenzene	84.2	70 - 130		%Rec	1	4/27/2023 11:08:00 PM
Surr: Benzo(a)pyrene-d12	87.8	70 - 130		%Rec	1	4/27/2023 11:08:00 PM
Surr: Triphenyl phosphate	91.4	70 - 130		%Rec	1	4/27/2023 11:08:00 PM



Awarded 2022



**SVOC BY SW8270E** **SW8270 SW3510C Analyst: SAM**  
**SVOC BY 8270E**

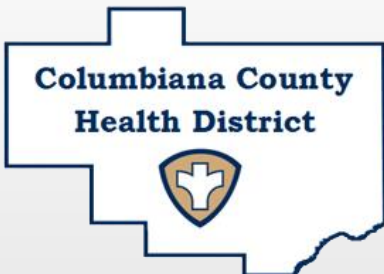
1-Methylnaphthalene	ND	0.962	µg/L	1	4/28/2023 12:21:00 AM
2-Butoxyethanol	ND	28.8	µg/L	1	4/28/2023 12:21:00 AM
2-Methylnaphthalene	ND	0.962	µg/L	1	4/28/2023 12:21:00 AM
Acenaphthene	ND	0.962	µg/L	1	4/28/2023 12:21:00 AM
Fluoranthene	ND	0.962	QL- µg/L	1	4/28/2023 12:21:00 AM
Surr: Nitrobenzene-d5	47.8	10 - 130	%Rec	1	4/28/2023 12:21:00 AM
Surr: 2-Fluorobiphenyl	52.0	10 - 130	%Rec	1	4/28/2023 12:21:00 AM
Surr: p-Terphenyl-d14	59.5	20 - 181	%Rec	1	4/28/2023 12:21:00 AM

**DRINKING WATER VOCS (EPA 524.2)** **E524.2 Analyst: ALS**  
**VOC-GC/MS (524.2)**

1,1-Dichloropropene	ND	0.500	µg/L	1	4/25/2023 2:21:00 PM
1,2,4-Trimethylbenzene	ND	0.500	µg/L	1	4/25/2023 2:21:00 PM
Benzene	ND	0.500	µg/L	1	4/25/2023 2:21:00 PM
Ethylbenzene	ND	0.500	µg/L	1	4/25/2023 2:21:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	ND	Not Detected	PL	Permit Limit
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		

Revision v1



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

## Analytical Report

(consolidated)

WO#: 23041610

Date Reported: 5/1/2023

CLIENT: Mahoning County District Board of Health      Collection Date: 4/21/2023 11:45:00 AM  
 Project: EP (Revised)  
 Lab ID: 23041610-001      Matrix: DRINKING WATER  
 Client Sample ID: PW-380

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DRINKING WATER VOCS (EPA 524.2)</b>				<b>E524.2</b>	Analyst: ALS	
<b>VOC-GC/MS (524.2)</b>						
m,p-Xylene	ND	0.500		µg/L	1	4/25/2023 2:21:00 PM
Naphthalene	ND	0.500		µg/L	1	4/25/2023 2:21:00 PM
o-Xylene	ND	0.500		µg/L	1	4/25/2023 2:21:00 PM
Toluene	ND	0.500		µg/L	1	4/25/2023 2:21:00 PM
Vinyl chloride	ND	0.500		µg/L	1	4/25/2023 2:21:00 PM
Surr: 1,2-Dichlorobenzene-d4	93.1	70 - 130		%Rec	1	4/25/2023 2:21:00 PM
Surr: 4-Bromofluorobenzene	95.6	70 - 130		%Rec	1	4/25/2023 2:21:00 PM
<b>VOC ANALYSIS (8260D)</b>				<b>SW8260</b>	Analyst: ZDA	
<b>VOC BY GC/MS (8260D)</b>						
2-Ethylhexyl acrylate	ND	5.00		µg/L	1	4/25/2023 1:41:00 PM
n-Butyl acrylate	ND	5.00		µg/L	1	4/25/2023 1:41:00 PM
Surr: 4-Bromofluorobenzene	95.8	70 - 130		%Rec	1	4/25/2023 1:41:00 PM
Surr: Dibromofluoromethane	100	70 - 130		%Rec	1	4/25/2023 1:41:00 PM
Surr: Toluene-d8	98.7	70 - 130		%Rec	1	4/25/2023 1:41:00 PM





Laura Fauss & Kevin Summerville

330-424-0272 or [CCHD@Columbiana-health.org](mailto:CCHD@Columbiana-health.org)