



**Chain of Custody (COC)/Sample Submission Form (SSF)**  
 Division of Environmental Services  
 8955 E Main St - Bldg 22  
 Reynoldsburg, OH 43068

To schedule samples call 614-644-4243

Client (Bill To):	DDAGW-EP	Project Name:	East Palestine	LAB USE ONLY:	
Division/District:	DDAGW-EP	Billing Code:		Date Received:	5/22/24
Collector:	DM/ES	Phone #:		Cooler Sealed?:	O/N
Customer ID:		Contact Phone:		Cooler Temp:	0.5 C

Sample Number	Station ID	Station Name	Collection Date: Time	Matrix	Sample Type	Test/Comments	Containers
24051705-01	PW-201	Well 008	Date: 5/21/2024 Time: 1008	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-02	PW-202	Rhoades Well	Date: 5/21/2024 Time: 1057	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-03	PW-203	Nuff Well	Date: 5/21/2024 Time: 1138	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-04	PW-204	Harding Well	Date: 5/21/2024 Time: 1205	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-05	PW-205	Zuch Well	Date: 5/21/2024 Time: 1220	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-06	PW-207	Entry Point	Date: 5/21/2024 Time: 1258	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-07	PW-201 FB	Field Blank Field Blank	Date: 5/21/2024 Time: 0850	Drinking Wa	Grab	SOC DW, VOC EP	4 ✓
24051705-08	QA	QA - Trip Blank	Date: 5/21/2024 Time: 0850	Drinking Wa	Grab	VOC EP	2 ✓

1) Relinquished by (Signature):	Date	Time	3) Relinquished by (Signature):	Date	Time	Lab Comments:
<i>[Signature]</i>	5/21/24	1400				<i>Penk add TICs</i>
Reviewed by (Signature):	Date	Time	Reviewed by (Signature):	Date	Time	
<i>[Signature]</i>	5/22/24	1000				
2) Relinquished by (Signature):	Date	Time	4) Relinquished by (Signature):	Date	Time	Field Comments:
						25 mg Ascorbic Acid Lot 233253 Prep 4/24 exp 3/25
Reviewed by (Signature):	Date	Time	Reviewed by (Signature):	Date	Time	



# Report of Analysis

**For: DDAGW-EP**

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

**Attn: James Fisher**

Report Date: 5/30/2024

## East Palestine

**Site:** PW-201 **Lab Sample ID:** 24051705-01  
**Location:** Well 008 **Collection Date:** 5/21/2024 10:08 AM  
**Client Sample ID:** **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:**  
**Client info:**

**Lab/Field Comment:** Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Anthracene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Benzo[a]anthracene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Chrysene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>						
Fluoranthene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Fluorene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Naphthalene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Pyrene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U+*	5/23/2024
2-Butanone	530.2 (524.2)	< 1.00 ug/L	1	1.00	U+*	5/23/2024
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024



# Report of Analysis

For: DDAGW-EP

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

Attn: James Fisher

Report Date: 5/30/2024

## East Palestine

**Site:** PW-202 **Lab Sample ID:** 24051705-02  
**Location:** Rhoades Well **Collection Date:** 5/21/2024 10:57 AM  
**Client Sample ID:** **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:**  
**Client info:**

**Lab/Field Comment:** Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Anthracene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Benzo[a]anthracene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Chrysene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>						
Fluoranthene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Fluorene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Naphthalene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Pyrene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	< 1.00 ug/L	1	1.00	U+*	5/23/2024
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024



# Report of Analysis

**For: DDAGW-EP**

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

**Attn: James Fisher**

Report Date: 5/30/2024

## East Palestine

**Site:** PW-203  
**Location:** Nulf Well  
**Client Sample ID:**  
**Collector:** Others  
**Client info:**

**Lab Sample ID:** 24051705-03  
**Collection Date:** 5/21/2024 11:38 AM  
**Matrix:** Drinking Water  
**Matrix Type:**

**Lab/Field Comment:** Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result		Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Anthracene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
Benzo[a]anthracene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Chrysene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>							
Fluoranthene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
Fluorene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Naphthalene	510.23 (525.2)	< 2.06	ug/L	1	2.06	U-, UJ	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
Pyrene	510.23 (525.2)	< 5.15	ug/L	1	5.15	U-, UJ	5/28/2024
1,1-Dichloropropene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	< 1.00	ug/L	1	1.00	U+*	5/23/2024
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00	ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00	ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	< 1.00	ug/L	1	1.00	U-*	5/23/2024
o-Xylene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500	ug/L	1	0.500	U-	5/23/2024



# Report of Analysis

For: DDAGW-EP

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

Attn: James Fisher

Report Date: 5/30/2024

## East Palestine

**Site:** PW-204 **Lab Sample ID:** 24051705-04  
**Location:** Harding Well **Collection Date:** 5/21/2024 12:05 PM  
**Client Sample ID:** **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:**  
**Client info:**

**Lab/Field Comment:** Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Anthracene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
<i>Concentration estimated due to interference with the internal standard.</i>						
Benzo[a]anthracene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Chrysene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>						
Fluoranthene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
<i>Concentration estimated due to interference with the internal standard.</i>						
Fluorene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Naphthalene	510.23 (525.2)	< 2.11 ug/L	1	2.11	U-, UJ	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
<i>Concentration estimated due to interference with the internal standard.</i>						
Pyrene	510.23 (525.2)	< 5.26 ug/L	1	5.26	U-, UJ	5/28/2024
<i>Concentration estimated due to interference with the internal standard.</i>						
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	< 1.00 ug/L	1	1.00	U+*	5/23/2024
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024



# Report of Analysis

For: DDAGW-EP

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

Attn: James Fisher

Report Date: 5/30/2024

East Palestine

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Site: PW-204

Lab Sample ID: 24051705-04

Location: Harding Well

Collection Date: 5/21/2024 12:05 PM

Client Sample ID:

Matrix: Drinking Water

Collector: Others

Matrix Type:

Client info:

Lab/Field Comment: Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024

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# Report of Analysis

For: DDAGW-EP

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

Attn: James Fisher

Report Date: 5/30/2024

## East Palestine

**Site:** PW-205 **Lab Sample ID:** 24051705-05  
**Location:** Zuch Well **Collection Date:** 5/21/2024 12:20 PM  
**Client Sample ID:** **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:**  
**Client info:**

**Lab/Field Comment:** Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Anthracene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Benzo[a]anthracene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Chrysene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>						
Fluoranthene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Fluorene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Naphthalene	510.23 (525.2)	< 2.08 ug/L	1	2.08	U-, UJ	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
Pyrene	510.23 (525.2)	< 5.21 ug/L	1	5.21	U-, UJ	5/28/2024
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	< 1.00 ug/L	1	1.00	U+*	5/23/2024
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024



# Report of Analysis

**For: DDAGW-EP**

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

**Attn: James Fisher**

Report Date: 5/30/2024

## East Palestine

**Site:** PW-207 **Lab Sample ID:** 24051705-06  
**Location:** Entry Point **Collection Date:** 5/21/2024 12:58 PM  
**Client Sample ID:** **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:**  
**Client info:**

**Lab/Field Comment:** Rush add TICs. Qualified SOC DW estimated due to low surrogate recovery. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Anthracene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Benzo[a]anthracene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Chrysene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>						
Fluoranthene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Fluorene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Naphthalene	510.23 (525.2)	< 2.04 ug/L	1	2.04	U-, UJ	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
Pyrene	510.23 (525.2)	< 5.10 ug/L	1	5.10	U-, UJ	5/28/2024
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	< 1.00 ug/L	1	1.00	U+*	5/23/2024
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024





# Report of Analysis

For: DDAGW-EP

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

Attn: James Fisher

Report Date: 5/30/2024

## East Palestine

**Site:** PW-201 FB **Lab Sample ID:** 24051705-07  
**Location:** Field Blank **Collection Date:** 5/21/2024 8:50 AM  
**Client Sample ID:** Field Blank **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:** Reagent Water  
**Client info:**  
**Lab/Field Comment:** Rush add TICs. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1-Methylnaphthalene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
2-Methylnaphthalene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
Acenaphthene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Acenaphthylene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Anthracene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
Benzo[a]anthracene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Benzo[a]pyrene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Benzo[b]fluoranthene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
Benzo[g,h,i]perylene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Benzo[k]fluoranthene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Chrysene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Dibenz[a,h]anthracene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-, UJ	5/28/2024
<i>Concentration estimated due to low QC recovery.</i>						
Fluoranthene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
Fluorene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Indeno[1,2,3-cd]pyrene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Naphthalene	510.23 (525.2)	< 2.02 ug/L	1	2.02	U-	5/28/2024
Phenanthrene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
Pyrene	510.23 (525.2)	< 5.05 ug/L	1	5.05	U-	5/28/2024
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	1.25 ug/L	1	1.00	B*	5/23/2024
<i>2-Butanone result estimated due to detection in the associated Trip Blank.</i>						
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	1.87 ug/L	1	1.00	B*	5/23/2024
<i>n-Butyl acrylate result estimated due to detection in the associated Trip Blank.</i>						
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U+	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024



# Report of Analysis

**For: DDAGW-EP**

Ohio EPA , Lazarus Government Center  
Columbus, OH 43215

**Attn: James Fisher**

Report Date: 5/30/2024

## East Palestine

**Site:** PW-201 FB **Lab Sample ID:** 24051705-07  
**Location:** Field Blank **Collection Date:** 5/21/2024 8:50 AM  
**Client Sample ID:** Field Blank **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:** Reagent Water  
**Client info:**  
**Lab/Field Comment:** Rush add TICs. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
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**Site:** QA **Lab Sample ID:** 24051705-08  
**Location:** Trip Blank **Collection Date:** 5/21/2024 8:50 AM  
**Client Sample ID:** Trip Blank **Matrix:** Drinking Water  
**Collector:** Others **Matrix Type:** Reagent Water  
**Client info:**  
**Lab/Field Comment:** Rush add TICs. VOC analytes qualified with an \* are not regulated by USEPA and are not to be used for compliance monitoring purposes.

Analyte	Method	Result	Dilution	RL	Qualifier	Date
1,1-Dichloropropene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
1,2,4-Trimethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
2-Butanone	530.2 (524.2)	1.11 ug/L	1	1.00	B*	5/23/2024
<i>2-Butanone result estimated due to detection in the associated Field Blank.</i>						
2-Ethylhexyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
Benzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Ethylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Isopropylbenzene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-*	5/23/2024
Methyl acrylate	530.2 (524.2)	< 1.00 ug/L	1	1.00	U-*	5/23/2024
n-Butyl acrylate	530.2 (524.2)	1.91 ug/L	1	1.00	B*	5/23/2024
<i>n-Butyl acrylate result estimated due to detection in the associated Field Blank.</i>						
o-Xylene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Toluene	530.2 (524.2)	< 0.500 ug/L	1	0.500	U+	5/23/2024
Total m&p-xylenes	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024
Vinyl chloride	530.2 (524.2)	< 0.500 ug/L	1	0.500	U-	5/23/2024

NA = not analyzed

## QC Results

QCBatch ID	QC ID	Parameter	% Recovery / RPD	Control Limits
QC2405180	LRB 1	1-Methylnaphthalene	0.0	-5 - 5
	LRB 1	2-Methylnaphthalene	0.0	-5 - 5
	LRB 1	Acenaphthene	0.0	-2 - 2
	LRB 1	Acenaphthylene	0.0	-2 - 2
	LRB 1	Anthracene	0.0	-5 - 5
	LRB 1	Benzo[a]anthracene	0.0	-2 - 2
	LRB 1	Benzo[a]pyrene	0.0	-2 - 2
	LRB 1	Benzo[b]fluoranthene	0.0	-5 - 5
	LRB 1	Benzo[g,h,i]perylene	0.0	-2 - 2
	LRB 1	Benzo[k]fluoranthene	0.0	-2 - 2
	LRB 1	Chrysene	0.0	-2 - 2
	LRB 1	Dibenz[a,h]anthracene	0.0	-2 - 2
	LRB 1	Fluoranthene	0.0	-5 - 5
	LRB 1	Fluorene	0.0	-2 - 2
	LRB 1	Indeno[1,2,3-cd]pyrene	0.0	-2 - 2
	LRB 1	Naphthalene	0.0	-2 - 2
	LRB 1	Phenanthrene	0.0	-5 - 5
	LRB 1	Pyrene	0.0	-5 - 5
	QCS 1	1-Methylnaphthalene	102.56	70 - 130
	QCS 1	2-Methylnaphthalene	102.31	70 - 130
	QCS 1	Acenaphthene	101.83	70 - 130
	QCS 1	Acenaphthylene	100.28	70 - 130
	QCS 1	Anthracene	106.22	70 - 130
	QCS 1	Benzo[a]anthracene	95.21	70 - 130
	QCS 1	Benzo[a]pyrene	87.3	70 - 130
	QCS 1	Benzo[b]fluoranthene	95.85	70 - 130
	QCS 1	Benzo[g,h,i]perylene	71.41	70 - 130
	QCS 1	Benzo[k]fluoranthene	77.6	70 - 130
	QCS 1	Chrysene	94.01	70 - 130
	QCS 1	Dibenz[a,h]anthracene	75.64	70 - 130
	QCS 1	Fluoranthene	107.26	70 - 130
	QCS 1	Fluorene	99.59	70 - 130
	QCS 1	Indeno[1,2,3-cd]pyrene	75.31	70 - 130
	QCS 1	Naphthalene	101.73	70 - 130
	QCS 1	Phenanthrene	106.94	70 - 130
	QCS 1	Pyrene	105.95	70 - 130
	QCSD 1	1-Methylnaphthalene	73.81	44.91 - 107.14
QCSD 1	2-Methylnaphthalene	72.64	43.5 - 107.9	
QCSD 1	Acenaphthene	82.36	53.98 - 111.53	
QCSD 1	Acenaphthylene	99.98	68.97 - 112.57	
QCSD 1	Anthracene	89.2	53.69 - 119.67	
QCSD 1	Benzo[a]anthracene	90.7	56.43 - 118.33	
QCSD 1	Benzo[a]pyrene	64.28	49.51 - 111.62	
QCSD 1	Benzo[b]fluoranthene	74.66	51.39 - 124.16	
QCSD 1	Benzo[g,h,i]perylene	49.66	44.27 - 111.88	
QCSD 1	Benzo[k]fluoranthene	73.6	50.76 - 117.26	
QCSD 1	Chrysene	91.61	59.02 - 125.71	
QCSD 1	Dibenz[a,h]anthracene	51.21	55.35 - 110.39	
QCSD 1	Fluoranthene	101.6	55.04 - 112.98	
QCSD 1	Fluorene	107.24	71.66 - 126.14	
QCSD 1	Indeno[1,2,3-cd]pyrene	54.51	45.09 - 115.99	
QCSD 1	Naphthalene	87.86	55.18 - 106.89	
QCSD 1	Phenanthrene	93.37	58.06 - 121.91	
QCSD 1	Pyrene	101.31	58.02 - 120.09	
QC2405194	BL 1	1,1-Dichloropropene	0.0	-0.5 - 0.5

BL 1	1,2,4-Trimethylbenzene	0.0	-0.5 - 0.5
BL 1	2-Butanone	0.0	-1 - 1
BL 1	2-Ethylhexyl acrylate	0.0	-1 - 1
BL 1	Benzene	0.174	-0.5 - 0.5
BL 1	Ethylbenzene	0.0	-0.5 - 0.5
BL 1	Isopropylbenzene	0.0	-0.5 - 0.5
BL 1	Methyl acrylate	0.0	-1 - 1
BL 1	n-Butyl acrylate	0.0	-1 - 1
BL 1	o-Xylene	0.0	-0.5 - 0.5
BL 1	Toluene	0.0	-0.5 - 0.5
BL 1	Total m&p-xylenes	0.362	-1 - 1
BL 1	Vinyl chloride	0.0	-0.5 - 0.5
QCS 1	1,1-Dichloropropene	90.78	70 - 130
QCS 1	1,2,4-Trimethylbenzene	110.37	70 - 130
QCS 1	2-Butanone	101.9	70 - 130
QCS 1	2-Ethylhexyl acrylate	87.54	70 - 130
QCS 1	Benzene	109.06	70 - 130
QCS 1	Ethylbenzene	96.49	70 - 130
QCS 1	Isopropylbenzene	107.2	70 - 130
QCS 1	Methyl acrylate	84.09	70 - 130
QCS 1	n-Butyl acrylate	87.06	70 - 130
QCS 1	o-Xylene	95.3	70 - 130
QCS 1	Toluene	100.83	70 - 130
QCS 1	Total m&p-xylenes	101.83	70 - 130
QCS 1	Vinyl chloride	123.8	70 - 130

## Surrogates

OrderID / QCBatchID	Sample Number / QC ID	Surrogate	% Recovery	Control Limits
24051705	24051705-01	1,3-Dimethyl-2-nitrobenzene	96.81696	70 - 130
	24051705-01	Perylene-d12	41.290368	70 - 130
	24051705-01	Triphenyl Phosphate	86.296128	70 - 130
	24051705-01	1,2-Dichlorobenzene-d4	82.7552	70 - 130
	24051705-01	4-Bromofluorobenzene	93.9324	70 - 130
	24051705-01	Toluene-d8	75.2304	70 - 130
	24051705-02	1,3-Dimethyl-2-nitrobenzene	88.875416	70 - 130
	24051705-02	Perylene-d12	43.41596	70 - 130
	24051705-02	Triphenyl Phosphate	94.86694	70 - 130
	24051705-02	1,2-Dichlorobenzene-d4	82.2232	70 - 130
	24051705-02	4-Bromofluorobenzene	93.5018	70 - 130
	24051705-02	Toluene-d8	77.8124	70 - 130
	24051705-03	1,3-Dimethyl-2-nitrobenzene	93.422834	70 - 130
	24051705-03	Perylene-d12	52.340424	70 - 130
	24051705-03	Triphenyl Phosphate	84.790028	70 - 130
	24051705-03	1,2-Dichlorobenzene-d4	83.7614	70 - 130
	24051705-03	4-Bromofluorobenzene	95.488	70 - 130
	24051705-03	Toluene-d8	71.5744	70 - 130
	24051705-04	1,3-Dimethyl-2-nitrobenzene	97.94633	70 - 130
	24051705-04	Perylene-d12	41.59955	70 - 130
	24051705-04	Triphenyl Phosphate	77.59315	70 - 130
	24051705-04	1,2-Dichlorobenzene-d4	81.98	70 - 130
	24051705-04	4-Bromofluorobenzene	93.4468	70 - 130
	24051705-04	Toluene-d8	72.2514	70 - 130
	24051705-05	1,3-Dimethyl-2-nitrobenzene	96.187584	70 - 130
	24051705-05	Perylene-d12	67.600896	70 - 130
	24051705-05	Triphenyl Phosphate	95.774208	70 - 130
	24051705-05	1,2-Dichlorobenzene-d4	82.4776	70 - 130
	24051705-05	4-Bromofluorobenzene	92.7086	70 - 130
	24051705-05	Toluene-d8	74.108	70 - 130
	24051705-06	1,3-Dimethyl-2-nitrobenzene	99.818292	70 - 130
	24051705-06	Perylene-d12	52.720276	70 - 130
	24051705-06	Triphenyl Phosphate	99.48372	70 - 130
	24051705-06	1,2-Dichlorobenzene-d4	80.2232	70 - 130
	24051705-06	4-Bromofluorobenzene	96.8456	70 - 130
	24051705-06	Toluene-d8	70.56	70 - 130
	24051705-07	1,3-Dimethyl-2-nitrobenzene	94.468176	70 - 130
	24051705-07	Perylene-d12	73.769058	70 - 130
	24051705-07	Triphenyl Phosphate	133.96581	70 - 130
	24051705-07	1,2-Dichlorobenzene-d4	83.5486	70 - 130
	24051705-07	4-Bromofluorobenzene	93.9678	70 - 130
	24051705-07	Toluene-d8	72.3244	70 - 130
	24051705-08	1,2-Dichlorobenzene-d4	87.2234	70 - 130
	24051705-08	4-Bromofluorobenzene	95.5844	70 - 130

QC2405180	24051705-08	Toluene-d8	72.1174	70 - 130
	LRB 1	1,3-Dimethyl-2-nitrobenzene	96.907	70 - 130
	LRB 1	Perylene-d12	57.228	70 - 130
	LRB 1	Triphenyl Phosphate	92.175	70 - 130
	QCSD 1	1,3-Dimethyl-2-nitrobenzene	90.6556	70 - 130
	QCSD 1	Perylene-d12	74.9454	70 - 130
QC2405194	QCSD 1	Triphenyl Phosphate	115.7554	70 - 130
	BL 1	1,2-Dichlorobenzene-d4	77.4188	70 - 130
	BL 1	4-Bromofluorobenzene	98.9086	70 - 130
	BL 1	Toluene-d8	84.2644	70 - 130