



January 18, 2023

Greg Rounsville Smethport Area School District 414 S. Mechanic Street Smethport, PA 16749

RE: Pro

Project: Water Analysis

White Oak Laboratory ID: 23A0043

Dear Greg Rounsville,

Enclosed are the analytical results for the sample(s) received by White Oak Laboratory on January 5, 2023.

Analyses were performed according to our laboratory's quality assurance program and any applicable state requirements. The test results reported herein meet all applicable state and federal requirements unless otherwise noted in project narrative or in the body of the report.

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

Sincerely,

Lauren B. Geer Operations Manager

lauren@whiteoaklaboratory.com

Enclosures

2997 Ridgway Johnsonburg Road Ridgway, PA 15853 (814) 772-5927 www.whiteoaklaboratory.com PA DEP Lab ID 24-05897

Project Narrative:

Metals analysis subcontracted to Environmental Service Laboratories. Please see attached report.

Definitions:

Unless otherwise noted, results for solid analysis are reported on a dry-weight basis.

Quantitation limits are adjusted accordingly when samples are analyzed at a dilution.

- QL Quantitation Limit The minimum concentration of the analyte that can be reported with a specified degree of confidence.
- < Represents "less than". Use indicates that the result was less than the Quantitation Limit.
- > Represents "greater than". Use indicates that the result was more than the maximum quantitation range of the test.
- P/A Present or Absent
- [calc] Calculated result. Calculations use results from the performance of accredited methods, unless otherwise noted.

Data Qualifier Codes:

- A1: Sample received without proper chemical preservation.
- A2: Sample received with improper preservation.
- A3: Sample was received without proper thermal preservation.
- A4: Sample contained residual chlorine. Sample was from a non-chlorinated source.
- A5: Sample contained residual chlorine. Sample was not properly dechlorinated.
- A6: Sample was not collected in the required container.
- A7: Sample was received at the laboratory after the expiration of the holding time.
- A8: Sample Contains headspace. Valid sample collection requires no headspace.
- A9: Description on Chain of Custody does not match sample received at the laboratory.
- A10: Collection information does not meet sample acceptance criteria.
- A11: Sample was compromised during transit.
- A12: Insufficient sample quantity supplied to the laboratory to meet method or QC requirements.
- S1: White Oak Laboratory LLC does not hold accreditation from the PA-DEP for this field of accreditation.
- S2: This test was subcontracted. Please see attached report for laboratory ID and results.
- P1: Sample analyzed with 18-hour Colilert.
- P2: Sample received at the laboratory un-filtered. Sample is required to be 0.45µm filtered within 15 minutes of sampling. Results are estimated.
- P3: Combined Nitrite-N and Nitrite-N analysis performed from a H₂SO₄ preserved bottle.
- E1: Refrigerator did not maintain the required temperature for sample storage. Results are estimated.
- E2: Sample was incubated longer than the acceptable time range. Results are estimated.
- E3: Sample was incubated shorter than the acceptable time range. Results may be biased low.
- E4: Incubator temperature was outside the acceptable temperature range. Results are estimated.
- E5: Water bath temperature was outside the acceptable temperature range. Results are estimated.
- E6: Oven temperature was outside the acceptable temperature range. Results are estimated.
 E7: Hotplate or Hotblock temperature was outside the acceptable temperature range. Results are estimated.
- Q1: Results obtained from an initial calibration that does not meet acceptance criteria. Results are estimated.
 Q2: Target analyte was measured in the laboratory method blank at or above the quantitation limit.
- Q3: Target analyte was found in the field blank and/or trip blank.
- Q4: The laboratory control sample (LCS) recovery was above acceptance limits. Results may be biased high.
- Q5: The laboratory control sample (LCS) recovery was below acceptance limits. Results may be biased low.
- Q6: The continuing calibration verification (CCV) recovery was above acceptance limits. Results may be biased high.
- Q7: The continuing calibration verification (CCV) recovery was below acceptance limits. Results may be biased low.
- Q8: The duplicate RPD was outside acceptance limits. Results are estimated.
- Q9: The initial calibration verification (ICV) recovery was above acceptance limits. Results may be biased high.
- Q10: The initial calibration verification (ICV) recovery was below acceptance limits. Results may be biased low.
- Q11: Sample was prepared outside the required holding time. Results may be biased low.
- Q12: Sample was analyzed outside the required holding time. Results may be biased low.
- Q13: The matrix spike recovery was above acceptance limits. Results may be biased high.

 Q14: The matrix spike recovery was below the acceptance limits. Results may be biased low
- Q14: The matrix spike recovery was below the acceptance limits. Results may be biased low. Q15: The BOD/CBOD analysis did not meet the minimum DO depletion of at least 2 mg/L.
- Q15: The BOD/CBOD analysis did not meet the minimum DO depletion of at least 2 mg/L Q16: The BOD/CBOD analysis did not meet the minimum residual DO of at least 1 mg/L.
- Q17: The results are below the quantitation limit but above the method detection limit. Results are estimated.
- Q18: The result exceeds the upper limit of quantitation. Results are estimated.
- Q19: Plate count was outside the target range of positive organisms. Results are estimated.
- Q20: The sample matrix interfered with the analytical equipment or test method. Results are estimated.
- Q21: Breakthrough into second column is greater than 10%. Result may be biased low.
- Q22: Sample analysis did not achieve method requirement of 2.5-200mg of residue. Results are estimated.
- Q23: The BOD/CBOD dilution water exceeded the maximum DO depletion of 0.2 mg/L.
- Q24: Replicate Analysis RPD exceeded acceptance limits. Results are estimated.



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 F: (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 F: (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 F: (724) 465-4209 PADEP: 43-04934

16 January 2023

White Oak Laboratory Attn: Lauren Geer 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Work Order: 23A1298 Project: Water Test

Report of Analysis

| Client Sample ID | Lab Sample ID | Matrix | Date Sampled | Date Received | Sample Notes |
|------------------|---------------|--------|------------------|---------------|-----------------|
| 23A0043-6A | 23A1298-01 | Water | 12/29/2022 14:34 | 1/12/23 16:00 | |
| 23A0043-6B | 23A1298-02 | Water | 12/29/2022 14:38 | 1/12/23 16:00 | |
| 23A0043-6C | 23A1298-03 | Water | 12/29/2022 14:43 | 1/12/23 16:00 | |
| 23A0043-6D | 23A1298-04 | Water | 12/29/2022 15:18 | 1/12/23 16:00 | |
| 23A0043-6E | 23A1298-05 | Water | 12/29/2022 14:48 | 1/12/23 16:00 | |
| 23A0043-6F | 23A1298-06 | Water | 12/29/2022 14:50 | 1/12/23 16:00 | |
| 23A0043-6G | 23A1298-07 | Water | 12/29/2022 14:51 | 1/12/23 16:00 | |
| 23А0043-6Н | 23A1298-08 | Water | 12/29/2022 14:55 | 1/12/23 16:00 | |
| 23A0043-6I | 23A1298-09 | Water | 12/29/2022 14:58 | 1/12/23 16:00 | |
| 23A0043-6J | 23A1298-10 | Water | 12/29/2022 15:30 | 1/12/23 16:00 | |
| 23A0043-6K | 23A1298-11 | Water | 12/29/2022 15:37 | 1/12/23 16:00 | |
| 23A0043-6L | 23A1298-12 | Water | 12/29/2022 15:32 | 1/12/23 16:00 | |
| 23A0043-6M | 23A1298-13 | Water | 12/29/2022 15:38 | 1/12/23 16:00 | |
| 23A0043-6N | 23A1298-14 | Water | 12/29/2022 15:40 | 1/12/23 16:00 | |
| 23A0043-6O | 23A1298-15 | Water | 12/29/2022 15:45 | 1/12/23 16:00 | |
| 23A0043-6P | 23A1298-16 | Water | 12/29/2022 15:46 | 1/12/23 16:00 | |
| 23A0043-6Q | 23A1298-17 | Water | 12/29/2022 15:47 | 1/12/23 16:00 | |
| 23A0043-6R | 23A1298-18 | Water | 12/29/2022 15:49 | 1/12/23 16:00 | |
| 23A0043-6S | 23A1298-19 | Water | 12/29/2022 15:50 | 1/12/23 16:00 | |
| 23A0043-6T | 23A1298-20 | Water | 12/29/2022 15:53 | 1/12/23 16:00 | |
| 23A0043-6U | 23A1298-21 | Water | 12/29/2022 15:54 | 1/12/23 16:00 | |
| 23A0043-6V | 23A1298-22 | Water | 12/29/2022 15:56 | 1/12/23 16:00 | |
| 23A0043-6W | 23A1298-23 | Water | 12/29/2022 15:59 | 1/12/23 16:00 | |
| 23A0043-6X | 23A1298-24 | Water | 12/29/2022 16:00 | 1/12/23 16:00 | |
| 23A0043-6Y | 23A1298-25 | Water | 12/30/2022 12:15 | 1/12/23 16:00 | |

Report Narrative

The results contained in this report are only representative of the samples received. Environmental Service Laboratories, Inc. is not responsible for use or interpretation of the data included herein.

Definitions

RL Reporting Limit

Page 1 of 14



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1803 Philadelphia Street Indiana, PA 15701 P: (724) 463-8378

P: (724) 463-8378 F: (724) 465-4209 PADEP: 32-00382 1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 F: (724) 258-8376 PADEP: 63-04247 435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 F: (570) 321-1957 PADEP: 41-04880 950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 F: (724) 465-4209 PADEP: 43-04934

White Oak Laboratory

Reported: 01/16/2023 17:16
2997 Ridgway-Johnsonburg Road
Ridgeway, PA 15853

Certifications

Analyses performed by Environmental Service Laboratories, Inc., Indiana PA unless otherwise specified. Environmental Service Laboratories, Inc., Indiana, PA/TNI Certification #32-00382

Approved By

Carrie Sutton-White Project Manager TNI LABORATORY



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

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950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 F: (724) 465-4209 PADEP: 43-04934

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-01

Sample Type: Sample Source: Water Grab

Sampler:

Client

Sample Date: Receipt Date: 12/29/2022 14:34 01/12/2023 16:00

Reported: 01/16/2023 17:16

| Client Sample ID: | 23A0043-6A | | | | | | | |
|--|---|------------------|----------|-------------------|-------|-------------------------------|-------------------|------------------------|
| Analyte | | Sample Result | Units | Data Qualifier | RL | Analyst/ Certification | Prep Date/Time | Analysis Date/Time |
| Total Metals | Analytical | Method: EPA2 | 00.7 4.4 | | | Prep Metho | d: EPA 200.7 4.4 | |
| Lead | | <0.005 | mg/L | | 0.005 | ANO | 01/13/23 05:19 | 01/13/23 08:46 |
| Lab Sample ID#: Sample Type: Sample Source: Sampler: Client Sample ID: | 23A1298-02 Water Grab Client 23A0043-6B | | | | | Sample Date: Receipt Date: | | 022 14:38 023 16:00 |
| Analyte | | Sample Result | Units | Data Qualifier | RL | Analyst/ Certification | Prep Date/Time | Analysis Date/Time |
| Total Metals | Analytical | Method: EPA2 | 00.7 4.4 | | | Prep Metho | d: EPA 200.7 4.4 | |
| Lead | | <0.005 | mg/L | | 0.005 | ANO | 01/13/23 05:19 | 01/13/23 09:03 |
| Lab Sample ID#: | 23A1298-03 | | | | | | | |

Data

Qualifier

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6C

Sample Date: Receipt Date:

Analyst/

Certification

12/29/2022 14:43 01/12/2023 16:00

Analysis Prep

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

Analyte

0.005

Sample

Result

mg/L

Units

0.005

RL

ANO

01/13/23 05:19

Date/Time

01/13/23 09:06



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 (724) 465-4209 PADEP: 43-04934

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-04

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6D

Sample Date: Receipt Date: 12/29/2022 15:18 01/12/2023 16:00

Reported: 01/16/2023 17:16

Data Analyst/ Prep **Analysis** Sample Certification Date/Time Result Units Qualifier RL Date/Time Analyte

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

< 0.005

mg/L

0.005

01/13/23 05:19

01/13/23 09:08

Lab Sample ID#:

23A1298-05

Sample Type: Sample Source: Water Grab

Sampler: Client Sample ID: Client

23A0043-6E

Sample Date: Receipt Date:

ANO

12/29/2022 14:48

01/12/2023 16:00

Analysis Sample Data Analyst/ Prep Analyte **Oualifier** Certification Date/Time Date/Time Result Units RL Prep Method: EPA 200.7 4.4

Total Metals

Lead

Analytical Method: EPA200.7 4.4 < 0.005

ANO

01/13/23 06:08

01/16/23 07:45

Lab Sample ID#:

23A1298-06

Sample Type:

Water

Sample Source:

Grab Client

Sampler: Client Sample ID:

23A0043-6F

Sample Date:

12/29/2022 14:50

Receipt Date:

01/12/2023 16:00

Data Analyst/ Prep Analysis Sample Result Units Qualifier RL Certification Date/Time Date/Time Analyte

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

< 0.005

mg/L

mg/L

0.005

0.005

ANO

01/13/23 06:08

01/16/23 07:48



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 (724) 465-4209 PADEP: 43-04934

Reported: 01/16/2023 17:16

12/29/2022 14:51

01/12/2023 16:00

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-07

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6G

| Sample | | Data | | Analyst/ | Prep | Analysis |
|--------|-------|-----------|-----|---------------|-----------|-----------|
| Result | Units | Oualifier | RI. | Certification | Date/Time | Date/Time |

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

Analyte

< 0.005

mg/L

0.005

ANO 01/13/23 06:08

01/16/23 07:50

Lab Sample ID#:

23A1298-08

Sample Type: Sample Source: Water Grab

Sampler: Client Sample ID: Client

23A0043-6H

Sample Date: Receipt Date:

Sample Date:

Receipt Date:

12/29/2022 14:55 01/12/2023 16:00

Analysis Data Sample Analyst/ Prep

RL

Total Metals

Analytical Method: EPA200.7 4.4

Result

0.005

Prep Method: EPA 200.7 4.4

Prep

Date/Time

Date/Time

Lead

Analyte

< 0.005

mg/L

Units

Qualifier

Data

Qualifier

ANO 01/13/23 06:08

01/16/23 07:52

Date/Time

Lab Sample ID#:

23A1298-09

Sample Type:

Water

Sample Source:

Grab

Sampler: Client Sample ID: Client 23A0043-6I

Sample Date: Receipt Date:

Analyst/

Certification

Certification

12/29/2022 14:58

01/12/2023 16:00

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

Analyte

< 0.005

Sample

Result

mg/L

Units

0.005

RL

ANO 01/13/23 06:08

01/16/23 07:55

Analysis



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 (724) 465-4209 PADEP: 43-04934

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-10

Sample Type: Sample Source: Water Grab

Sampler:

Analyte

Client

Client Sample ID:

23A0043-6J

Sample Date: Receipt Date:

Certification

RL

12/29/2022 15:30 01/12/2023 16:00

Analysis

Date/Time

Reported: 01/16/2023 17:16

Sample Data Analyst/ Prep

Qualifier

Units **Total Metals**

Result

Analytical Method: EPA200.7 4.4 Prep Method: EPA 200.7 4.4

Lead < 0.005 mg/L 0.005 ANO 01/13/23 06:08 01/16/23 07:57

Lab Sample ID#:

23A1298-11

Sample Type: Sample Source:

Sampler:

Water Grab Client

Client Sample ID:

23A0043-6K

Sample Date:

12/29/2022 15:37

Receipt Date: 01/12/2023 16:00

Date/Time

Sample Data Analyst/ Prep **Analysis** Analyte Result Units Qualifier RL Certification Date/Time Date/Time

Total Metals Analytical Method: EPA200.7 4.4 Prep Method: EPA 200.7 4.4

Lead < 0.005 0.005 ANO 01/13/23 06:08 mg/L

01/16/23 08:12

Lab Sample ID#:

23A1298-12

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6L

12/29/2022 15:32 Sample Date: Receipt Date: 01/12/2023 16:00

Sample Data Analyst/ Prep **Analysis** Qualifier Analyte Result Date/Time Units RL Certification Date/Time

Total Metals Analytical Method: EPA200.7 4.4 Prep Method: EPA 200.7 4.4

Lead

< 0.005 mg/L 0.005 ANO 01/13/23 06:08 01/16/23 08:17

Page 6 of 14



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 (724) 465-4209 PADEP: 43-04934

Reported: 01/16/2023 17:16

12/29/2022 15:38

01/12/2023 16:00

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-13

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6M

Sample Data Analyst/ Prep Analysis Date/Time Qualifier Result Units RL Certification Date/Time

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

Analyte

< 0.005

mg/L

0.005

ANO 01/13/23 06:08 01/16/23 08:19

Lab Sample ID#:

23A1298-14 Sample Type:

Sample Source:

Water Grab

Sampler: Client Sample ID: Client

23A0043-6N

Sample Date: Receipt Date:

Sample Date:

Receipt Date:

12/29/2022 15:40

01/12/2023 16:00

Data Sample Analyst/ Prep Analysis Date/Time Result Qualifier Certification Date/Time Analyte Units RL **Total Metals** Analytical Method: EPA200.7 4.4 Prep Method: EPA 200.7 4.4 Lead < 0.005 mg/L 0.005 ANO 01/13/23 06:08 01/16/23 08:22

Lab Sample ID#: Sample Type:

23A1298-15

Sample Source:

Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6O

Sample Date:

12/29/2022 15:45

Receipt Date:

01/12/2023 16:00

Data Analysis Sample Analyst/ Prep RL Result Units Oualifier Certification Date/Time Date/Time Analyte

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

< 0.005

mg/L

0.005

ANO

01/13/23 06:08

01/16/23 08:24



1803 Philadelphia Street Indiana, PA 15701 P: (724) 463-8378

(724) 465-4209 PADEP: 32-00382 1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 F: (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 F: (724) 465-4209 PADEP: 43-04934

Reported: 01/16/2023 17:16

12/29/2022 15:46

01/12/2023 16:00

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-16

Sample Type: Sample Source: Water Grab

Sampler:

Analyte

Lead

Client

Client Sample ID:

23A0043-6P

| Sample | | Data | | Analyst/ | Prep | Analysis |
|--------|-------|-----------|----|---------------|-----------|-----------|
| Result | Units | Qualifier | RL | Certification | Date/Time | Date/Time |

0.005

Total Metals

Analytical Method: EPA200.7 4.4

< 0.005 mg/L

Prep Method: EPA 200.7 4.4

01/13/23 06:08

01/16/23 08:26

Lab Sample ID#:

23A1298-17

Sample Type: Sample Source: Water Grab

Sampler: Client Sample ID: Client

23A0043-6Q

Sample Date: Receipt Date:

ANO

Sample Date:

Receipt Date:

12/29/2022 15:47

01/12/2023 16:00

Data Analysis Sample Analyst/ Prep Result Units **Oualifier** Certification Date/Time Date/Time Analyte RL **Total Metals** Analytical Method: EPA200.7 4.4 Prep Method: EPA 200.7 4.4 mg/L 0.005 ANO 01/13/23 06:08 01/16/23 08:29 Lead < 0.005

Lab Sample ID#:

Sample Type:

23A1298-18 Water

Sample Source: Sampler:

Grab Client

Client Sample ID:

23A0043-6R

Sample Date:

12/29/2022 15:49

Receipt Date:

01/12/2023 16:00

Data Analyst/ Prep Analysis Sample Units Qualifier RL Certification Date/Time Date/Time Analyte Result

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

< 0.005

mg/L

0.005

ANO

01/13/23 06:08

01/16/23 08:31



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 F: (724) 258-8376 PADEP: 63-04247

Qualifier

Data

Oualifier

Data

Qualifier

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 F: (570) 321-1957 PADEP: 41-04880 950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 F: (724) 465-4209 PADEP: 43-04934

Reported: 01/16/2023 17:16

12/29/2022 15:50

01/12/2023 16:00

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-19

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6S

Sample Data Analyst/ Prep Analysis

RL

Total Metals

Analytical Method: EPA200.7 4.4

Result

Prep Method: EPA 200.7 4.4

Lead

Analyte

Trep friction, Elizabott 4.4

Date/Time

< 0.005

0.005

ANO

Sample Date:

Receipt Date:

Certification

01/13/23 06:08 01/16/23 08:34

Lab Sample ID#:

23A1298-20

Sample Type: Sample Source: Water Grab

Sampler: Client Sample ID: Client

23A0043-6T

Sample Date: Receipt Date:

Analyst/

Certification

12/29/2022 15:53

01/12/2023 16:00

Total Metals

Analytical Method: EPA200.7 4.4

Sample

Result

Prep Method: EPA 200.7 4.4

Lead

Analyte

< 0.005

mg/L

Units

mg/L

Units

Units

mg/L

0.005

RL

ANO 01/13/23 06:08

Prep

Date/Time

01/16/23 08:56

Analysis

Date/Time

Date/Time

Lab Sample ID#:

23A1298-21

Sample Type:

Water

Sample Source: Sampler:

Grab Client

Client Sample ID:

Client 23A0043-6U

Sample Date:

12/29/2022 15:54

Receipt Date:

Analyst/

Certification

01/12/2023 16:00

Analyte

Result

Prep Method: EPA 200.7 4.4

Lead

Total Metals

Analytical Method: EPA200.7 4.4

Sample

0.006

0.005

RL

ANO

01/16/23 05:11

Prep

Date/Time

01/16/23 09:14

Analysis



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 (724) 258-8376 PADEP: 63-04247

Qualifier

Data

Qualifier

Data

Qualifier

435 Broad Street Montoursville, PA 17754 (570) 321-9002 (570) 321-1957 PADEP: 41-04880

950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 (724) 465-4209 PADEP: 43-04934

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-22

Sample Type:

Water Grab

Sample Source: Sampler:

Client

Client Sample ID:

23A0043-6V

Sample Date: Receipt Date:

Certification

12/29/2022 15:56 01/12/2023 16:00

Reported: 01/16/2023 17:16

Data Analyst/ Sample

Prep Method: EPA 200.7 4.4

Total Metals

Analyte

Lead

Analytical Method: EPA200.7 4.4

Result

< 0.005 mg/L

Units

Units

0.005

RL

01/16/23 05:11 ANO

Prep

Date/Time

Prep

Date/Time

01/16/23 09:16

Analysis

Date/Time

Lab Sample ID#:

23A1298-23

Sample Type: Sample Source: Water Grab

Sampler: Client Sample ID: Client 23A0043-6W Sample Date:

Analyst/

Certification

12/29/2022 15:59

Receipt Date:

01/12/2023 16:00

Total Metals

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

Analyte

< 0.005

Sample

Result

mg/L

0.005

RL

ANO 01/16/23 05:11

01/16/23 09:34

Analysis

Date/Time

Lab Sample ID#:

23A1298-24 Sample Type:

Water

Sample Source: Sampler:

Grab Client

Client Sample ID:

23A0043-6X

Sample Date:

12/29/2022 16:00

Receipt Date:

Analyst/

Certification

01/12/2023 16:00

Analyte **Total Metals**

Analytical Method: EPA200.7 4.4

Prep Method: EPA 200.7 4.4

Lead

< 0.005

Sample

Result

mg/L

Units

0.005

RL

ANO

01/16/23 05:11

Prep

Date/Time

01/16/23 09:36

Analysis



1276 Bentleyville Road Van Voorhis, PA 15366 P: (724) 258-8378 F: (724) 258-8376 PADEP: 63-04247

435 Broad Street Montoursville, PA 17754 P: (570) 321-9002 F: (570) 321-1957 PADEP: 41-04880 950 West Main Street Sharpsville, PA 16150 P: (724) 463-8378 x 500 F: (724) 465-4209 PADEP: 43-04934

White Oak Laboratory 2997 Ridgway-Johnsonburg Road Ridgeway, PA 15853

Lab Sample ID#:

23A1298-25

Sample Type: Sample Source: Water Grab

Sampler:

Client

Client Sample ID:

23A0043-6Y

Sample Date: Receipt Date:

12/30/2022 12:15 01/12/2023 16:00

Reported: 01/16/2023 17:16

Pron Anglysis

Data Analyst/ Prep Analysis Sample Result Qualifier RL Certification Date/Time Date/Time Units Analyte **Total Metals** Analytical Method: EPA200.7 4.4 Prep Method: EPA 200.7 4.4 0.005 ANO 01/16/23 05:11 01/16/23 09:39 Lead < 0.005 mg/L



WOL-COC-02 Rev 2.0 effective 02/11/2022



ITRACT ORDER FORM

Sending Laboratory: Receiving Laboratory: **DEP PWS?** White Oak Laboratory LLC PWSID# Environmental Service Laboratories Inc 2997 Ridgway Johnsonburg Road 1803 Philadelphia Street System Name: Ridgway, PA 15853 County: Indiana, PA 15701 (814) 772-5927 Location Code: (724) 463-8378 Project Manager: Project Manager: Sample Type: Lauren Geer PWS Contact Info: Carrie Sutton (Ext. 123) lauren@whiteoaklaboratory.com csutton@envlabs.com Matrix Key: DW: Drinking Water NP: Non Potable Water S: Solid O: Other Bottle Type Key: P: Plastic G: Glass V: VOA Sample ID: Collector: Due Date: Bottle Bottle Size Grab Bottle Date & Time Matrix Preservative Analysis Sub Lab Info: ID (mL) Type 23/1291 Comp 12-29-22 250 14003 L434 WG Ì ead 01 02 1438 03 1443 1518 04 1448 03 04 1450 1451 97 1455 23 1458 04 1530 210 15 37 011 217 1532 1538 Oit 6N 540 ٧ 1545 15 Comments: Please email final report and invoice to accounts@whiteoaklaboratory.com. Method of Delivery: [] Sending Lab Courier Receiving Lab Courier [] USPS [] FedEx [] UPS [] Other: Relinquished: Date/Time: Relinquished: Date/Time: Received: DIL Date/Time:





| | Sending Labora | tory: | | | Receivi | ng Laborato | ry: | | DEP PWS | ? [| Y (иј) | |
|--------------|---------------------|-----------------|------------|---------------------|----------------|----------------|----------------|--------------------|------------|----------------|-------------|--------|
| White Oa | k Laboratory LLC | | 7 | Environment | al Servic | ce Laboratorie | es Inc | | PWSID# | | _ | |
| 2997 Rid | gway Johnsonburg | Road | - 9- | 1803 Philade | lphia St | reet | | | System N | ame; | | |
| Ridgway, | PA 15853 | ž. | -0 | Indiana, PA | 15701 | | | | County: | | | |
| (814) 772 | 2-5927 | | | (724) 463-83 | 78 | | | | Location (| Code: | | |
| | Project Manag | jer: | -: . | Project Man | ager: | | | | Sample T | уре: | | - |
| Lauren G | Geer | | | Carrie Suttor | n (Ext. 1 | 23) | | | PWS Con | itact Info: | | |
| lauren@v | whiteoaklaboratory. | .com | - | csutton@en | /labs.co | m | | | | | / | |
| Matrix K | DIM Deletion | g Water NP: N | on Dotah | la Matar S: | Solid C |). Other | - | Bottle Typ | e Keur P | : Plastic G: 0 | Slass V· VO | Δ] |
| | D: 23AC | | on rotat | Ne vvaler o. | | Collector: | SR. | | Due Date | | | |
| Bottle ID | Date & 1 | | Matrix | Bottle Size (mL) | Bottle Type | Preservative | Grab / Comp | Ana | lysis | 23A129 | 3 Sub Lab | Info: |
| (P) | 2-29-22 | 1546 | DW | 250 | P | HN03 | G | Lead | | 014 | Ú. | |
| 6Q | | 1547 | , | | | 1 | | | | 911 | | |
| 6R | | | | | | | | | | 01 | Ş | |
| 01 | | 15 49 | 1-1- | | ++ | | | | | <i>O</i> i | 9 | |
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| 6T | | 15 53 | 11 | | 1 | | 11 | | | | - | |
| 6U | 1554 | 15-54 | | | | | | | | ₽ | 2 | |
| 6V | 1556 | 15-56 | | | | | | | | 92 | 2 | |
| 6W | | 1559 | | | | | | | | 0 | 23 | |
| 6× | 1 | 1600 | | | T | | \sqcap | | | | 24 | |
| | 12 20 23 | 1215 | +t | | 1.1 | | + | | | | 025 | |
| 64 | 12-30-33 | 1015 | 1-4 | 1 4 | 1/4 | 1 | +3- | - V | | | | |
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| Commo | ents: | Please | e email fi | nal report an | d invoic | e to accounts | @white | oaklaboratory.com. | | | | |
| | | | | | | | | | | | | |
| | 4 - 4 D- " | | | h Canala | 10 | liden Let O | urio - " | 111000 115-45 I | THE C | I Othor: | | |
| Wietho | d of Delivery: | []Se | nding La | b Courier | / Kece | eving Lab Col | nuer (|]USPS []FedEx [| JOES [| i Other. | | 105-11 |
| Relinq | uished: N.Ussy | Hank | | Date/Time | : 1/11/ | 23 1820 | Rece | vived: GJ GJ | Telle Di | ate/Time: | 1/2/23 | 094 |
| Relinqu | uished: | 18 Jullo | / | Date/Time | 1/1 | 153 | Rece | eived: AIL | Da | ate/Time: | 1/12/23 | 164 (1 |
| - | 12114 | ective 02/11/20 | | | 1/1 | 1537 | | | | Page 1 | Dana / | 7 . 1 |



SAMPLE RECEIPT AND REVIEW FORM

| client: White Oak | _ | | | Work | 111 | 23 | A1298 | | |
|--|------------|---------|-----------|---|-------------|--------------------------|---------------|--------------------------|-------------|
| PART A: GENERAL INFORMATION | - SATEL | LIT! | E LAB | ORATOR | | | | | |
| Received by/Lab ID: | | | | Date/Tim | | ivod: | | | |
| Method of Delivery: Client Drop-Off ESL | Courier (| Othe | r: | | T Nece | | | | |
| Sample Receipt Temperature: | ,C | | | IR Gun II | | Receiv | ed on Ice? | YES | NC |
| Containers Removed by Satellite Lab for A | Analysis o | of: | FECAL | TC/EC | TC MP | N ECM | ADN TO | EQ MBM | - |
| PART B: GENERAL INFORMATION | | | | | 10 1011 | | MPIN TC/ | EC MPN | (N/ |
| Received by I at in. (1) | - INDIAN | IA L | ABOR | | | | | | |
| 100385 | Coch | | | Samples | | | | NO | _A |
| Mothed of D-1 | | | | Date San | npled: | 14-29 | 1200 | 12/20 | 1/2 |
| Sample Bearing T | | | rop off | €S. | L courie | D 0 | ther: | | |
| Sample State of Collection: | °C IR | Gur | ı ID: 🌂 | | | | | | |
| PA) NY OH WV Other: | P۱ | WSIE | Compl | iance Drir | ıking W | ater Sar | nples: K | ES NO | <u> </u> |
| PART C: Receipt Details Completed | | | | | ignature | | | 1 | |
| Sample Receipt Criteria | | | Comm | ents/Qua | lifiers (F | Required | for Non-C | Conformi | Time ing |
| Chain of custody documents included with samples? | YES) N | 10 | Commen | | | tems) | | | |
| COC form is properly signed in relinquished/received sections? | YES N | 10 | Commen | ls: | | | | | |
| Sample containers intact and sealed? | YES N | 10 | Circle Ap | plicable: D Seal Broken | amaged C | | Leaking | Container | 6 |
| Number of containers received matches number indicated on COC? | YES N | 10 | Sample II | Os and Conta | | | _ | | |
| Sample IDs on COC match IDs on bottles? | (YES N | 10 | Sample II | Os and Conta | iners Affec | cted: | | | |
| Date and time on COC match date and time on bottles? | YES N | 10 | | Os and Conta | | | | | |
| Samples received within holding time? | YES N | 10 | Sample II | os and Conta | iners Affec | cted: | | | |
| Samples received at appropriate pH for analysis requested? | | | | s and Conta | | | bserved pH: | | |
| Samples requiring thermal preservation within 0 ≤ 6°C? Microbiology within 0 ≤ 10°C? | YES N | | | VV samples of and received ocess has be | | hermal pre e consider | servation ran | ge sampled as long as | the |
| Adequate sample volume received? | YE3 N | 0 | Analyses | Affected: | | | | | |
| VOA vials free of headspace (defined as < 6 mm bubble)? | YES (N | 0) | Sample ID | s and Conta | iners Affec | ited: | | | |
| Other Comments: | | <u></u> | 9 | | | C | Peficiency L | og Create | ed: |

| - Take | 1 |
|------------|-------------|
| LABORATORY | VVI III CAN |

Chain of Custody / Request for Analysis

Client: Physical Address: 4/14/ Mailing Address: Matrix Codes: DW: Drinking Water NP: Non Potable Water S: Solid O: Other Additional Info: Smethport Mechanic ST SMETHOUT M 16749 Thechanic St. Smy was PA HIRO 3Ch00 This chain of custody is a legal document, fill document completely. All writing must be legible, and in blue or black ink District Preservative Codes: 1: Thermal 2: Na,S₂O₃ 3: NaOH/ZnAct 4: NaOH 5: HCl 6: HNO, 7: H,SO₄ 8: Other (Specify) 16749 Phone Number: Invoicing Email: deaxemethortshuls.com Reporting Email: Contact Person: GREG ROUNS VILLE GRounsville @Smethport Schools, con 814-887-554 Monthly / Weekly / Single

| Second Compliance V Second Compliance V Second Compliance Complia | 5-23 1130 | Date/Time:)-S- み3 | Mor | Wind More | Received By | Rece | | | | | Date/Time: | | inquistied by: |
|--|-----------|--------------------|------|-----------|-------------|---------|---------|-----|----|----------|------------|------------------|-----------------|
| Field Date Fie | | Date/Time: | | | | Rec | 1 | | | | Date/Time: | | inquisried by. |
| Field Date: Greath Council Co | 10: | Date/Time: - | Moor | white. | 1 | Rec | | | 8 | 10:0 | | They Comsielle | inquished By: |
| Find Date Collected: Cred County Collected: Time Collecte | | | | | × | | | 6 | DW | G | 1245 | 132 | S. Faculty |
| Field Date Fie | (20) | | | | × | | | 6 | DW | G | I. | 1/29/2 | 2 797 S |
| Feet Date Feet | | | | | < | | | 6 | DW | ဝ | 00 | 10 | 1 |
| Field Date: Field Date: F | 10) | | | | メ | | | თ | Wd | ြ | 3 | 1/29/ | |
| Field Date Field | | | | | X | | | თ | DW | ြ | ,37 | | S. THAR |
| Field Date: Gred Rounts Ville | | | | | X | | | თ | DW | G | 130 | 17/2 | S. K. + 5 |
| Field Date: Grey Rouns ville | T (a) | | | | × | | | | DW | <u>و</u> | | 1/1/2 | .5. 1-ac |
| Creq Rouns Collected: Time Collected: Time Collected: Time Collected: Code (see above) | H9 | | | | X | | | | DW | G | 1. | 603 12/2 | S. Roon |
| Field Data: Field | (A) | | | | × | | | _ | DW | G | _ | 002 12/29/2 | S. Koon |
| Field Data: Field | (oF | | | | × | | | | DW | G | | 102 /21 | .S. Room |
| Field Date: Field | | | | | , | | | - | DW | G | | 12/29/2 | 1 |
| Field Data: Greq Rouns ville Time Collected: Time Collected | | | | | × | | | | _ | G | 100 | Eminimain 12/2 | |
| Greg Rouns Uille Time Collected: Time | | | | | × | | | - | _ | G | 1. | 7. 7 | S. OFF |
| Greg Rouns Ville Time Collected: Time | | | | | | | | - | - | G | l | Fountain 12/29/2 | Hall |
| Grab (G) or Composite (C) Matrix Code (see above) Preservative Code (see above) # of containers Container Size (mL) Plastic (P) or Glass (G) or VOA (V) Lead | | | | | | | _ | II- | _ | ြ | 12 | (1/29/ | |
| G) or Composite (C) Code (see above) rvative Code (see above) ontainers iner Size (mL) c (P) or Glass (G) or VOA (V) | | | | | | - | # of co | - | - | Grab (| ` | Greg | Sample Lo |
| Pool? Y N Field Data: Field Data: Composite (C) (see above) Code (see above) RS Re (mL) Glass (G) or VOA (V) | | | | | , (1) 0 | | ontaine | _ | | (G) or | (4) | > | |
| water? Y / (A) Field Data: ite (C) ove) eee above) G) or VOA (V) | | | | | Class | | rs | | | Compos | | Y | DOH Co Beach |
| king Water? Y / M Field Data: | | | | | ===== | C) 01 \ | | | | ite (C) | | pe: | Sample Typ |
| Y / N Field Data: | | | | | OA (V | OA /\/ | | ve) | | | | | PWSID# |
| | | | | | , | , | | === | | _ | | <u> </u> | Drinkin |

Laboratory ID # 2390044 43

| Y. | |
|------------|------------|
| LABORATORY | VYTIIE UAN |

Chain of Custody / Request for Analysis

| LABORATORY This chain of custody is a legal document, fill document completely. All writing | pletely. All writing must be legible, and in blue or black ink. |
|--|---|
| Slient Smrthisent AREa Schal District | Contact Person: GREA ROWN S Ville |
| though ph | Phone Number: 814-887-5543 |
| Physical Address: 414 5 Mechanic 57 Smethwest PA 16749 | 16741 Reporting Email: G ROWNS VILLE (Q) SME the ports thous , Const |
| Additional Info: | Invoicing Email: 0100x 015mbHp2+ shouls.com Monthly/Weekly/Single |
| watrix Codes: DW: Drinking Water NP: Non Potable Water S: Solid O: Other Preservative C | Preservative Codes: 1: Thermal 2: Na,S,O, 3: NaOH/ZnAct 4: NaOH 5: HCl 6: HNO, 7: H,SO, 8: Other (Specify) P. |
| | Analysis Requested: |

| | | | | | 1 | | | - 1 | | | | \sim | Analysis Requested: | Analysis Requested: | ted: | | | | |
|---|---------------------|-------|-------|--------|--------|----------------|----------------|-------------|----|-----|----|-----------|---------------------|---------------------|--------|------------|------|------|-------------|
| | | | | | - | - | ┥ | - | | | 1 | MIG | llysis i | (anha) | Stear. | | | | _ |
| DEP Compliance Y (N) Field Data: | | | | | 7.11 | 0.0 | (V) | | | | | | | | | | | | |
| PWSID# | | | | ve) | | (O.A. | - CA | | | | | | | | | | | | |
| Sample Type: | | e (C) | /e) | e abo | | |) OI V | | | | | | | | | | | | nly) |
| | | osite | abov | e (se | | | 35 (0 | | | | | | | | | | | | se Or |
| Beach / Pool? Y | | Comp | (see | Code | - | | Glas | | | | | i i | | | | | | | ab Us |
| | | G) or | Code | vative | ntain | ner S (P) o | · (F) 0 | | | | | | | | | | | | ID (L |
| Sample Collector Name: Greg Rounsui 116 | | rab (| atrix | reser | | | iastic | ead | | | | | | | | | | | Bottle |
| Sample Location: Date Collected: | I ime Collected: |) G | N | P | - | - | | 1 | | | | \dagger | + | + | 1 | | | | |
| T.J. Tountain (5" 124/22 | 0 | Ì | | 1 | 1 | 1 | 1 | 1 | | | | \dagger | + | + | 1 | | | | |
| 45. Four. Mid Hall (R) 12/24/22 | 3:47 PM | ရ | DW | 6 | 1 | 250 | ٦ | ~ | | | | | - | <u> </u> | | | | | 60 |
| 45. For but the 12/29/22 | 3,49 P,M | G | DW | 6 | | 250 | ס | × | | | | | - | | | | | | 62 |
| | | G | Ma | თ | | 250 | ס | | | | | | | | | | | | 65 |
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| Certer 12/ | \ | G | Ma | 6 | 1 2 | 250 | P | × _ | | | | | | | | 7 HI. V | | | loU |
| ts. Girls lock, 12/29/22 | 3156 PM | G | WD | 6 | 2 | 250 | Р | <u> </u> | | | | | | | | | | | \ \ \ |
| 1/96/2/00 00 | 3:59 pm | G | Ma | თ | -A | 250 | ס | × | | | | | | | | | | | Maj |
| 8 | Wd 00:17 | G | DW | 6 | 1 2 | 250 1 | ם | \times | | | | | | | | | | | 16% |
| S Ku/+v 113 12/30/22 | 121 K P/M | ဓ | DW | 6 | 1 2 | 250 1 | 7 | _ | | | | | | | | | | | 5 |
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| • | | G | DW | 6 | 1 2 | 250 P | | | ŧ | * | | ž. | | | | | | | |
| elinquished By: | Date/Time: 1-5-2013 | 0 | 10:20 | | 1 | ٦ | Received By: 1 | By: V | me | bol | (| 11 | ove | ^ | Dat | Date/Time: | - | 5-23 | 06:00 |
| elinquished By. U | Date/Time: | | | | 1 | Re | Received By: | Ву: | | 16. | | | | | Dat | Date/Time: | | | |
| elinquisited By. | Date/Tima: | | | | 1 | Re | ceived | Received By | h | 7 | 13 | Mora | 14 | | Dat | Date/Time: | | -5-2 | 130 |

| _aboratory ID # 23 A 0 0 4 3 | Date/Time of Che | ecks: 1-5- | 93 1939 Initials: MS |
|--|-------------------------|--|--|
| Observed Temperature °C: Co | rrected Temperature °C: | 92 | Thermometer ID: (R-O) |
| Adequate Thermal Preservation? On ice, Micro <10°C, Wet Chemistry <6°C) f no, explain: | S 🗆 NO | Ø co | oldown 🗆 N/A |
| CoC completed properly? f no, explain: | JYES | □ NO | □ N/A |
| Correct sample container(s) and label(s)? f no, explain: | D YES | □ NO | □ N/A |
| 3ottles intact? f no, explain: | ⊿ YES | □ NO | □ N/A |
| Received in hold time? f no, explain: | ÆYE\$ | □ NO | □ N/A |
| Oo any samples have short hold time? <48 hr) f yes, circle or list: | ☐ YES ☐ Micro | ☑ (C)BOD | □ N/A □ NO₂ NO₃ |
| To any analytes require subcontracting? f yes, circle or list: | YES Metals | □ NO □ Ammonia | □ N/A □ Organics |
| Client Contacted? f yes, explain: | □ YES | □ NO | J⊇∕ N/A |
| Bottle ID pH Adjusted Adj | | aper lot #: 200 check: Micro, Oil & Gre | se, VOA vials, subcontracter lab provided bottles) |
| Correct pH? If no, explain: | T/YES | □ NO | □ N/A Page 19 of 19 |