Certified Environmental Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

# REPORT OF ANALYSES

Town Of Chenango
1529 NY Route 12
Binghamton, NY 13905-
Attn: Greg Burden

PROJECT NAME: PFAS/1,4-Dioxane
DATE: 10/04/2024

SAMPLE NUMBER- 925953 SAMPLE ID- EP 111 Chenango Heights SAMPLE MATRIX- WA
DATE SAMPLED- 09/11/24 TIME SAMPLED- 0900
DATE RECEIVED- 09/11/24 SAMPLER- Luke Mooney(T/O Chenango) RECEIVED BY- TAD
TIME RECEIVED- 1348 DELIVERED BY- Kevin Derr TYPE SAMPLE- Grab



| ANALYSIS | METHOD | ANALYSIS DATE | TIME | BY | RESULT | UNITS |
|---|---|---|---|---|---|---|
| Sample Receipt Temperature | | 09/11/24 | | CES | 7.8 | Degrees C |
| Subcontracted Analysis | | 09/26/24 | | EUR | * | |

*See Attached Report

NYSDOH LAB ID NO. 11246 APPROVED BY: _____
(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

**The analytical results on this sample are representative of the sample received by the Laboratory.**

Certified Environmental Services, Inc.

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# REPORT OF ANALYSES

Town Of Chenango
1529 NY Route 12
Binghamton, NY 13905-
Attn: Greg Burden

PROJECT NAME: PFAS/1,4-Dioxane
DATE: 10/04/2024

SAMPLE NUMBER- 925955 SAMPLE ID- EP 110 Applewood SAMPLE MATRIX- WA
DATE SAMPLED- 09/11/24 TIME SAMPLED- 0915
DATE RECEIVED- 09/11/24 SAMPLER- Luke Mooney(T/O Chenango) RECEIVED BY- TAD
TIME RECEIVED- 1348 DELIVERED BY- Kevin Derr TYPE SAMPLE- Grab



| ANALYSIS | METHOD | ANALYSIS DATE | TIME | BY | RESULT | UNITS |
|---|---|---|---|---|---|---|
| Sample Receipt Temperature | | 09/11/24 | | CES | 7.8 | Degrees C |
| Subcontracted Analysis | | 09/26/24 | | EUR | * | |

*See Attached Report

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# REPORT OF ANALYSES

Town Of Chenango
1529 NY Route 12
Binghamton, NY 13905-
Attn: Greg Burden

PROJECT NAME: PFAS/1,4-Dioxane
DATE: 10/04/2024

SAMPLE NUMBER- 925957 SAMPLE ID- EP 108 Run Acres SAMPLE MATRIX- WA
DATE SAMPLED- 09/11/24 TIME SAMPLED- 0930
DATE RECEIVED- 09/11/24 SAMPLER- Luke Mooney(T/O Chenango) RECEIVED BY- TAD
TIME RECEIVED- 1348 DELIVERED BY- Kevin Derr TYPE SAMPLE- Grab



| ANALYSIS | METHOD | ANALYSIS DATE | TIME | BY | RESULT | UNITS |
|---|---|---|---|---|---|---|
| Sample Receipt Temperature | | 09/11/24 | | CES | 7.8 | Degrees C |
| Subcontracted Analysis | | 09/26/24 | | EUR | * | |

*See Attached Report

NYSDOH LAB ID NO. 11246 APPROVED BY:

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Laboratory Manager

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Certified Environmental Services, Inc.

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North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

# REPORT OF ANALYSES

Town Of Chenango
1529 NY Route 12
Binghamton, NY 13905-
Attn: Greg Burden

PROJECT NAME: PFAS/1,4-Dioxane
DATE: 10/04/2024

SAMPLE NUMBER- 925959 SAMPLE ID- EP 107 Pennview SAMPLE MATRIX- WA
DATE SAMPLED- 09/11/24 TIME SAMPLED- 0810
DATE RECEIVED- 09/11/24 SAMPLER- Luke Mooney(T/O Chenango) RECEIVED BY- TAD
TIME RECEIVED- 1348 DELIVERED BY- Kevin Derr TYPE SAMPLE- Grab



| ANALYSIS | METHOD | ANALYSIS DATE | TIME | BY | RESULT | UNITS |
|---|---|---|---|---|---|---|
| Sample Receipt Temperature | | 09/11/24 | | CES | 7.8 | Degrees C |
| Subcontracted Analysis | | 09/26/24 | | EUR | * | |

*See Attached Report

NYSDOH LAB ID NO. 11246 APPROVED BY: _____
(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

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Certified Environmental Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

# REPORT OF ANALYSES

Town Of Chenango
1529 NY Route 12
Binghamton, NY 13905-
Attn: Greg Burden

PROJECT NAME: PFAS/1,4-Dioxane
DATE: 10/04/2024

SAMPLE NUMBER- 925961 SAMPLE ID- EP 106 Northgate SAMPLE MATRIX- WA
DATE SAMPLED- 09/11/24 TIME SAMPLED- 0730
DATE RECEIVED- 09/11/24 SAMPLER- Luke Mooney(T/O Chenango) RECEIVED BY- TAD
TIME RECEIVED- 1348 DELIVERED BY- Kevin Derr TYPE SAMPLE- Grab



| ANALYSIS | METHOD | ANALYSIS DATE | TIME | BY | RESULT | UNITS |
|---|---|---|---|---|---|---|
| Sample Receipt Temperature | | 09/11/24 | | CES | 7.8 | Degrees C |
| Subcontracted Analysis | | 09/26/24 | | EUR | * | |

*See Attached Report

NYSDOH LAB ID NO. 11246 APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

The analytical results on this sample are representative of the sample received by the Laboratory.

CES Certified Environmental Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

# REPORT OF ANALYSES

Town Of Chenango
1529 NY Route 12
Binghamton, NY 13905-
Attn: Greg Burden

PROJECT NAME: PFAS/1,4-Dioxane
DATE: 10/04/2024

SAMPLE NUMBER- 925963 SAMPLE ID- EP 104 12A
DATE SAMPLED- 09/11/24
DATE RECEIVED- 09/11/24 SAMPLER- Luke Mooney(T/O Chenango)
TIME RECEIVED- 1348 DELIVERED BY- Kevin Derr

SAMPLE MATRIX- WA
TIME SAMPLED- 0700
RECEIVED BY- TAD
TYPE SAMPLE- Grab



| ANALYSIS | METHOD | ANALYSIS DATE | TIME | BY | RESULT | UNITS |
|---|---|---|---|---|---|---|
| Sample Receipt Temperature | | 09/11/24 | | CES | 7.8 | Degrees C |
| Subcontracted Analysis | | 09/26/24 | | EUR | * | |

*See Attached Report

NYSDOH LAB ID NO. 11246 APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

**The analytical results on this sample are representative of the sample received by the Laboratory.**

eurofins | Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Barbara Duchene
Certified Environmental Services
7280 Caswell Street
North Syracuse, New York 13212

Generated 9/26/2024 5:30:57 PM

## JOB DESCRIPTION

40624

## JOB NUMBER

620-20904-1

Eurofins Rhode Island
646 Camp Ave
North Kingstown RI 02852

See page two for job notes and contact information.



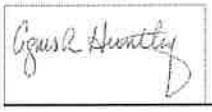
my EOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

## Authorization



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Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)267-4374

# Table of Contents

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

## Job ID: 620-20904-1 — Eurofins Rhode Island

**Job Narrative**
**620-20904-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**
The samples were received on 9/13/2024 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

**Subcontract Work**
Method 1,4-Dioxane by 522: This method was subcontracted to Phoenix Environmental Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

# Detection Summary

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

**Client Sample ID: 925953** — **Lab Sample ID: 620-20904-2**

No Detections.

**Client Sample ID: 925955** — **Lab Sample ID: 620-20904-3**

No Detections.

**Client Sample ID: 925957** — **Lab Sample ID: 620-20904-4**

No Detections.

**Client Sample ID: 925959** — **Lab Sample ID: 620-20904-5**

No Detections.

**Client Sample ID: 925961** — **Lab Sample ID: 620-20904-6**

No Detections.

**Client Sample ID: 925963** — **Lab Sample ID: 620-20904-7**

No Detections.

This Detection Summary does not include radiochemical test results.

# Client Sample Results

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

**Client Sample ID: 925953**
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-2**
**Matrix: Water**

**Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 13:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *95* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 13:46* | *1* |

# Client Sample Results

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

**Client Sample ID: 925955**
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-3**
**Matrix: Water**

**Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 14:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *93* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 14:16* | *1* |

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

**Client Sample ID: 925957**
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-4**
**Matrix: Water**

**Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 14:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *102* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 14:32* | *1* |

**Client Sample ID: 925959**
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-5**
**Matrix: Water**

**Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 14:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *98* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 14:46* | *1* |

# Client Sample Results

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

**Client Sample ID: 925961**
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-6**
**Matrix: Water**

**Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 15:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *96* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 15:03* | *1* |

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

**Client Sample ID: 925963**
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-7**
**Matrix: Water**

**Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 15:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *96* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 15:18* | *1* |

# Surrogate Summary

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

## Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane

**Matrix: DRINKING WATER**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | DXE |
| Lab Sample ID | Client Sample ID | (70-130) |
| CR63160-BLK | Method Blank | 90 |
| CR63160-LCS | Lab Control Sample | 98 |
| CR63160-LCSD | Lab Control Sample Dup | 93 |

**Surrogate Legend**

DXE = % 1,4-dioxane-d8

## Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | DXE |
| Lab Sample ID | Client Sample ID | (70-130) |
| 620-20904-2 | 925953 | 95 |
| 620-20904-3 | 925955 | 93 |
| 620-20904-4 | 925957 | 102 |
| 620-20904-5 | 925959 | 98 |
| 620-20904-6 | 925961 | 96 |
| 620-20904-7 | 925963 | 96 |

**Surrogate Legend**

DXE = % 1,4-dioxane-d8

## Method: 1,4-Dioxane by 522 - EPA 522 - 1,4-Dioxane

**Lab Sample ID: CR63160-BLK**
**Matrix: DRINKING WATER**
**Analysis Batch: 749671A**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 749671A_P**

| Analyte | Blank Result | Blank Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | ND | | 0.20 | | ug/l | | 09/18/24 00:00 | 09/19/24 11:48 | 1 |

| *Surrogate* | *Blank %Recovery* | *Blank Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *% 1,4-dioxane-d8* | *90* | | *70 - 130* | *09/18/24 00:00* | *09/19/24 11:48* | *1* |

**Lab Sample ID: CR63160-LCS**
**Matrix: DRINKING WATER**
**Analysis Batch: 749671A**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 749671A_P**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 1,4-dioxane | 5 | 5.286 | | ug/l | | 106 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *% 1,4-dioxane-d8* | *98* | | *70 - 130* |

**Lab Sample ID: CR63160-LCSD**
**Matrix: DRINKING WATER**
**Analysis Batch: 749671A**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 749671A_P**

| Analyte | Spike Added | LCS Dup Result | LCS Dup Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-dioxane | 5 | 5.395 | | ug/l | | 108 | 70 - 130 | 1.9 | 20 |

| *Surrogate* | *LCS Dup %Recovery* | *LCS Dup Qualifier* | *Limits* |
|---|---|---|---|
| *% 1,4-dioxane-d8* | *93* | | *70 - 130* |

## Subcontract

### Analysis Batch: 749671A

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 620-20904-2 | 925953 | Total/NA | Water | 1,4-Dioxane by 522 | 749671A_P |
| 620-20904-3 | 925955 | Total/NA | Water | 1,4-Dioxane by 522 | 749671A_P |
| 620-20904-4 | 925957 | Total/NA | Water | 1,4-Dioxane by 522 | 749671A_P |
| 620-20904-5 | 925959 | Total/NA | Water | 1,4-Dioxane by 522 | 749671A_P |
| 620-20904-6 | 925961 | Total/NA | Water | 1,4-Dioxane by 522 | 749671A_P |
| 620-20904-7 | 925963 | Total/NA | Water | 1,4-Dioxane by 522 | 749671A_P |
| CR63160-BLK | Method Blank | Total/NA | DRINKING WATEF | 1,4-Dioxane by 522 | 749671A_P |
| CR63160-LCS | Lab Control Sample | Total/NA | DRINKING WATEF | 1,4-Dioxane by 522 | 749671A_P |
| CR63160-LCSD | Lab Control Sample Dup | Total/NA | DRINKING WATEF | 1,4-Dioxane by 522 | 749671A_P |

### Prep Batch: 749671A_P

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 620-20904-2 | 925953 | Total/NA | Water | EPA522 | |
| 620-20904-3 | 925955 | Total/NA | Water | EPA522 | |
| 620-20904-4 | 925957 | Total/NA | Water | EPA522 | |
| 620-20904-5 | 925959 | Total/NA | Water | EPA522 | |
| 620-20904-6 | 925961 | Total/NA | Water | EPA522 | |
| 620-20904-7 | 925963 | Total/NA | Water | EPA522 | |
| CR63160-BLK | Method Blank | Total/NA | DRINKING WATEF | EPA522 | |
| CR63160-LCS | Lab Control Sample | Total/NA | DRINKING WATEF | EPA522 | |
| CR63160-LCSD | Lab Control Sample Dup | Total/NA | DRINKING WATEF | EPA522 | |

# Lab Chronicle

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

## Client Sample ID: 925953
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-2**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | EPA522 | | 1 | 749671A_P | | PEL, Inc | 09/18/24 00:00 |
| Total/NA | Analysis | 1,4-Dioxane by 522 | | 1 | 749671A | CT007 | PEL, Inc | 09/19/24 13:46 |

## Client Sample ID: 925955
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-3**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | EPA522 | | 1 | 749671A_P | | PEL, Inc | 09/18/24 00:00 |
| Total/NA | Analysis | 1,4-Dioxane by 522 | | 1 | 749671A | CT007 | PEL, Inc | 09/19/24 14:16 |

## Client Sample ID: 925957
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-4**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | EPA522 | | 1 | 749671A_P | | PEL, Inc | 09/18/24 00:00 |
| Total/NA | Analysis | 1,4-Dioxane by 522 | | 1 | 749671A | CT007 | PEL, Inc | 09/19/24 14:32 |

## Client Sample ID: 925959
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-5**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | EPA522 | | 1 | 749671A_P | | PEL, Inc | 09/18/24 00:00 |
| Total/NA | Analysis | 1,4-Dioxane by 522 | | 1 | 749671A | CT007 | PEL, Inc | 09/19/24 14:46 |

## Client Sample ID: 925961
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-6**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | EPA522 | | 1 | 749671A_P | | PEL, Inc | 09/18/24 00:00 |
| Total/NA | Analysis | 1,4-Dioxane by 522 | | 1 | 749671A | CT007 | PEL, Inc | 09/19/24 15:03 |

## Client Sample ID: 925963
**Date Collected: 09/11/24 00:00**
**Date Received: 09/13/24 10:40**

**Lab Sample ID: 620-20904-7**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | EPA522 | | 1 | 749671A_P | | PEL, Inc | 09/18/24 00:00 |
| Total/NA | Analysis | 1,4-Dioxane by 522 | | 1 | 749671A | CT007 | PEL, Inc | 09/19/24 15:18 |

**Laboratory References:**

PEL, Inc = Phoenix Environmental Laboratories, Inc., 587 East Middle Turnpike, Manchester, CT 06040, TEL (860)645-8726

# Method Summary

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 522 | EPA 522 - 1,4-Dioxane | EPA | PEL, Inc |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

PEL, Inc = Phoenix Environmental Laboratories, Inc., 587 East Middle Turnpike, Manchester, CT 06040, TEL (860)645-8726

# Sample Summary

Client: Certified Environmental Services
Project/Site: 40624

Job ID: 620-20904-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 620-20904-2 | 925953 | Water | 09/11/24 00:00 | 09/13/24 10:40 |
| 620-20904-3 | 925955 | Water | 09/11/24 00:00 | 09/13/24 10:40 |
| 620-20904-4 | 925957 | Water | 09/11/24 00:00 | 09/13/24 10:40 |
| 620-20904-5 | 925959 | Water | 09/11/24 00:00 | 09/13/24 10:40 |
| 620-20904-6 | 925961 | Water | 09/11/24 00:00 | 09/13/24 10:40 |
| 620-20904-7 | 925963 | Water | 09/11/24 00:00 | 09/13/24 10:40 |

# CHAIN OF CUSTODY RECORD (SEE BACK FOR TERMS & CONDITIONS) 20904

CES

7280 Caswell St. (Hancock Air Park)
North Syracuse, New York 13212
Phone 315-478-2374
Fax 315-478-2107

CES BATCH NO: | PAGE ____ OF ____

Turn-Around Time: Standard TAT is end of day, 10 working days after lab receipt. Samples received after 2 pm are considered next day business. Rush TAT subject to laboratory approval and surcharges.

☐ Standard ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 1 Working Day

CLIENT NAME: CES, Inc
ADDRESS:
CONTACT NAME: Barb DuChene
CLIENT PHONE: FAX:
PROJECT #/NAME/PO #: 40624

| CES LOG NUMBERS (INTERNAL USE/DO NOT WRITE) | Collected Date | Collected Time | Matrix | Grab or Comp. | CLIENT ID/SAMPLE LOCATION | Number of Containers | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | 9/11/24 | | PW | Grab | 925738 | 1 | X | | | | | | | | | | Eurofins |
| -2 | 9/11/24 | | PW | Grab | 925953 | 2 | X | | | | | | | | | | |
| -3 | 9/11/24 | | PW | Grab | 925955 | 2 | X | | | | | | | | | | |
| -4 | 9/11/24 | | PW | Grab | 925957 | 2 | X | | | | | | | | | | |
| -5 | 9/11/24 | | PW | Grab | 925959 | 2 | X | | | | | | | | | | |
| -6 | 9/11/24 | | PW | Grab | 925961 | 2 | X | | | | | | | | | | |
| -7 | 9/11/24 | | PW | Grab | 925963 | 2 | X | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | Parameter and Method: | Sample bottle: Type | Sample bottle: Size | Preservative Code: |
|---|---|---|---|---|
| 1 | 1,4 Dioxane | Glass | 250 ml | H |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

Preservative Codes: A= Unpreserved B=$H_2SO_4$ C=HCl D=NaOH E=Ascorbic Acid F=$HNO_3$ G=$Na_2S_2O_3$ H=_Sodium Sulfite__ I=___Sodium BiSulfate____

Samples Collected By:
Name (Print):
Signature:
Company:

Remarks:

| RELINQUISHED BY: | Date | Time | RECEIVED BY: |
|---|---|---|---|
| Name: Ryan Sheehan | | | Name: Fed Ex |
| Signature: | 9/12/24 | | Signature: |
| Name: Fed Ex | 9/13/24 | 1040 | Name: YS ERI |
| Signature: | | | Signature: |

email address (Please Write Legibly):

Samples Received in Good Condition: ☐ Yes ☐ No

Receipt Temperature: 2.4+0.2=2.6 °C HE

620-20904 Chain of Custody

Page 19 of 21

9/26/2024

ORIGIN ID:SYRA (315) 478-2374
TINA DEKING

7280 CASWELL STREET

NORTH SYRACUSE, NY 13212
UNITED STATES US

SHIP DATE: 12SEP24
ACTWGT: 26.00 LB
CAD: 7100546/INET4535

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852
(413) 789-9018 REF
INV:
PO: DEPT:

583J2/4EF9/9AE3

FedEx Express

FedEx
TRK# 0201 7785 4379 8284

FRI - 13 SEP AA
PRIORITY OVERNIGHT

XS NCOA

02852
RI-US PVD

#769504 09/12 583J2/4EF9/9AE3

# Login Sample Receipt Checklist

Client: Certified Environmental Services

Job Number: 620-20904-1

**Login Number: 20904**
**List Number: 1**
**Creator: Makhoul, Elie**

**List Source: Eurofins Rhode Island**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# CHAIN OF CUSTODY RECORD (SEE BACK FOR TERMS & CONDITIONS)

CES Certified Environmental Services, Inc.
7280 Caswell St. (Hancock Air Park)
North Syracuse, New York 13212
Phone 315-478-2374
Fax 315-478-2107

CES BATCH NO: L4523 PAGE ____ OF ____

**Turn-Around Time** Standard TAT is end of day, 10 working days after lab receipt. Samples received after 2 pm are considered next day business. Rush TAT subject to laboratory approval and surcharges.

☐ Standard ☐ 5 Working Days ☐ 3 Working Days
☐ 2 Working Days ☐ 1 Working Days

CLIENT NAME: Town of Chenango
ADDRESS: 1529 NY Rt. 12
Binghamton, NY 13901
CONTACT NAME: Attn: Mr. Gregory Burden

CLIENT PHONE: FAX:
PROJECT #/NAME/PO #: PFAS & 1,4 Dioxane

| CES LOG NUMBERS (INTERNAL USE/DO NOT WRITE) | Collected Date | Collected Time | Matrix | Grab or Comp. | CLIENT ID/SAMPLE LOCATION | Number of Containers | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 925952-53 | 9/11/24 | 9AM | PW | Grab | EP111 Chenango Heights | 5 | X | X | | | | | | | | | |
| 925954-55 | " | 915AM | PW | Grab | EP110 Applewood | 5 | X | X | | | | | | | | | |
| 925956-57 | " | 930AM | PW | Grab | EP108 Run Acres | 5 | X | X | | | | | | | | | |
| 925958-59 | " | 810AM | PW | Grab | EP107 Pennvias | 5 | X | X | | | | | | | | | |
| 925960-61 | " | 730AM | PW | Grab | EP106 Northgate | 5 | X | X | | | | | | | | | |
| 925962-63 | " | 7AM | PW | Grab | EP104 12 A | 5 | X | X | | | | | | | | | |
| 925964-65 | " | | DI | Grab | Field Blank | 6 | X | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | 36 Bottles | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | Parameter and Method: | Sample bottle: Type | Sample bottle: Size | Preservative Code: |
|---|---|---|---|---|
| 1 | PFAS 537.1 | Plastic | 2-250 ml | H |
| 2 | 1,4 Dioxane | Amber | 2 250m | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

Preservative Codes: A= Unpreserved B=$H_2SO_4$ C=HCl D=NaOH E=Ascorbic Acid F=$HNO_3$ G=$Na_2S_2O_3$ H=____Trizma_____ I=_____

**Samples Collected By:**
Name (Print): Luke Mooney
Signature:
Company: Town of Chenango

**Remarks:**

| RELINQUISHED BY: | Date | Time | RECEIVED BY: |
|---|---|---|---|
| Name: Lucas Mooney | 9/11/24 | 10AM | Name: Kevin Derr |
| Signature: | | | Signature: |
| Name: Kevin Derr | 9/11/24 | 13:48 | Name: Tina Delong |
| Signature: | | | Signature |

Samples Received in Good Condition: ☐ Yes ☐ No
Receipt Temperature: 7.8 °C

CES Certified Environmental Services, Inc.

7280 Caswell Street
North Syracuse, NY 13212
Phone 315-478-2374
Fax 315-478-2107

# Sample Receiving Checklist

Client Name: Town of Chenango

Batch Number: L4523

| | Yes | No | If No Explain: |
|---|---|---|---|
| 1. Proper Full and Complete Documentation: | ☑ | ☐ | |
| 2. Appropriate Sample Containers: | ☑ | ☐ | |
| 3. Adequate Sample Volume: | ☑ | ☐ | |
| 4. Hold Time(OK): | ☑ | ☐ | |
| 5. Proper Sample Labeling: | ☑ | ☐ | |
| 6. Sample Temperature: | ☑ | ☐ | |
| 7. Sample Received on Ice: (Not required for Bact) | ☐ | ☐ | on Ice packs |
| 8. Preservation OK: (**Microbiology See Below**) | ☐ | ☐ | |

9. Preservation Not Applicable:(ie: Solid/Sludge, Alk,BOD,TSS,TS,Cl,Fl,SO4,pH,Cond, etc): ☐

10. CES Sample Container(s): If not sure ask client ☐ ☑ Eurofins

**(If preservation required note Lot # associated with preservative if available.)**

$H_2SO_4$ **WC** $HNO_3$ **MT** NaOH **WCSP** Ascorbic Acid **WC**

HCl **WCSP** $Na_2S_2O_3$ **WC** Other _____ Not Available ☐

**Microbiology**: ☐ Chlorinated Source (Sodium Thiosulfate)

☐ Non-Chlorinated Source (No Sodium Thiosulfate)

Additional Comments/Client Correspondence _____

Sample(s) Received By: TAD Sample(s) Logged In By: [signature] Login Reviewed By: [signature]

**DOCUMENT ID: SRCL072522** **Approved by: RRB** **Date Put In Place: 11/28/23**

## CERTIFIED ENVIRONMENTAL SERVICES, INC.

## TERMS AND CONDITIONS

1. **Services completed by Certified Environmental Services, Inc. are done so in general accordance with the environmental services and/or analytical industries recognized methods.**

2. **Certified Environmental Services, Inc. does not assume any other liabilities other than re-performance of the work if the completed services are determined to be deficient due to the negligence of Certified Environmental Services, Inc. Under no circumstances shall Certified Environmental Services, Inc., its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.**

3. **Any claim made must be done in writing within thirty (30) days of Certified Environmental Services, Inc.'s written report.**

4. **Certified Environmental Services, Inc. will not accept any liability in whole or in part as a result of data interpretation by the client.**

5. **All reports are submitted in writing to our customers only. Certified Environmental Services, Inc. will not be responsible for the accuracy of the contents of any report obtained by anyone other than our Client.**

6. **Invoices for services rendered are generated periodically as the work is completed. All invoices are due within thirty (30) days of the invoice date. Any discrepancy with an invoice must be reported to the accounts receivable department within fifteen (15) days of the invoice date. All balances over thirty (30) days will be subject to a 1-1/2% finance charge.**

7. **The terms and conditions set forth herein shall not be altered in any way unless done so in writing and signed by a Manager of Certified Environmental Services, Inc.**

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### Qualifiers (Updated 09.12.2018):

| | | |
|---|---|---|
| ND-Not Detected at reporting limit | NR-Not Reported | NA-Not Available |
| H-Regulatory hold time exceeded | R-Duplication outside in-house acceptance limits | |
| B-Analyte detected in Method Blank | A-Preservation incomplete. Additional acid added to sample prior to analysis. | |
| DO-Spike Diluted Out | E-Estimate | MDL-Method Detection Limit |

S-Spike recovery outside acceptance limits (+ is over – is under, results may be biased high or biased low)

L-Laboratory Control Sample outside acceptance limits (+ is over – is under, results may be biased high or biased low)

#- NYS ELAP does not offer accreditation for this parameter.
**For Solid Waste analysis where there is no approved method, this is a laboratory developed method.

F - Filtration not performed within 15 minutes of sample collection as required by cited method.

E - Total Suspended Solids, Estimate. Residue on filter below method requirement of 2.5 mg.

E - Biochemical Oxygen Demand, Estimate. Depletion less than 2.0 as required by cited method.

X- Exceeds maximum contamination limit.