# SUBURBAN LABORATORIES, Inc.

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com


September 30, 2018

**Workorder: 1808883**

Terry McGhee
Du Page Water Commission
600 E. Butterfield Road
Elmhurst, IL 60126-4642

TEL: (630) 340-0100
FAX: (630) 340-0120
RE: Non-Compliance Drinking Water Analysis

Dear Terry McGhee:

Suburban Laboratories, Inc. received 1 sample(s) on 8/9/2018 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Pat Rodriguez
Project Manager
708-544-3260 ext 214
pat@suburbanlabs.com

**Client:** Du Page Water Commission
**Project:** Non-Compliance Drinking Water Analysis
**WorkOrder:** 1808883
**Temperature of samples upon receipt at SLI: 5 C**

**Date:** September 30, 2018
**PO #:**
**QC Level:** LEVEL I
**Chain of Custody #:** ELEC

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:
G = Samples subcontracted to Eurofins Eaton Analytical, Inc (800-332-4345), formerly Underwriters Laboratories, for some of the analysis requested.

524:
Sample 1808883-001B: S=The Laboratory Control Sample exceeded the upper acceptance limit for 1,2-Dichloroethane resulting in a high bias. There were no detects in the samples.

**Suburban Laboratories, Inc.**

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# Laboratory Results

**Client ID:** Du Page Water Commission
**Report Date:** September 30, 2018
**Project Name:** Non-Compliance Drinking Water Analysis
**Workorder:** **1808883**

**Client Sample ID:** **1-6**
**Matrix:** DRINKING WATER
**Lab ID:** 1808883-001
**Date Received:** 08/09/2018 4:24 PM
**Collection Date:** 08/09/2018 12:00 AM

| Parameter | Result | MCL | Report Limit | Qual. | Units | Dilution Factor | Date Analyzed | Batch ID |
|---|---|---|---|---|---|---|---|---|
| **METALS BY ICP** | | | Method: EPA-200.7-Rev 4.4,1994 | | | | Analyst: src | |
| Calcium | 32,300 | | 50.0 | | µg/L | 1 | 08/15/2018 12:16 PM | 54062 |
| Hardness, Ca/Mg (As CaCO3) | 127,000 | | 0 | | µg/L | 1 | 08/15/2018 12:16 PM | 54062 |
| Iron | ND | 1,000 | 50.0 | | µg/L | 1 | 08/15/2018 12:16 PM | 54062 |
| Magnesium | 11,300 | | 50.0 | c | µg/L | 1 | 08/15/2018 12:16 PM | 54062 |
| Sodium | 8,420 | | 300 | | µg/L | 1 | 08/15/2018 12:16 PM | 54062 |
| **METALS BY ICPMS** | | | Method: EPA-200.8-Rev 5.4, 1994 | | | | Analyst: mjs | |
| Antimony | ND | 6.00 | 2.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Arsenic | 0.561 | 10.0 | 0.500 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Barium | 26.2 | 2,000 | 5.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Beryllium | ND | 4.00 | 1.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Cadmium | ND | 5.00 | 3.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Chromium | ND | 100 | 5.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Copper | ND | 1,300 | 100 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Lead | ND | 15.0 | 2.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Mercury | ND | 2.00 | 0.100 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Selenium | ND | 50.0 | 5.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| Thallium | ND | 2.00 | 2.00 | | µg/L | 1 | 08/15/2018 12:43 AM | 54062 |
| **VOLATILE ORGANIC COMPOUNDS (REGULATED)** | | | Method: EPA-524.2-Rev R4.1 | | | | Analyst: mkl | |
| Benzene | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Carbon tetrachloride | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Chlorobenzene | ND | 100 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,4-Dichlorobenzene | ND | 75.0 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,2-Dichlorobenzene | ND | 600 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,2-Dichloroethane | ND | 5.00 | 0.500 | S | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,1-Dichloroethene | ND | 7.00 | 0.500 | c | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| cis-1,2-Dichloroethene | ND | 70.0 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| trans-1,2-Dichloroethene | ND | 100 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,2-Dichloropropane | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Ethylbenzene | ND | 700 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Methylene chloride | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Styrene | ND | 100 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Tetrachloroethene | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Toluene | ND | 1,000 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,2,4-Trichlorobenzene | ND | 70.0 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |



Created: 9/30/2018 9:51:08 AM

**Suburban Laboratories, Inc.**
1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# Laboratory Results

**Client ID:** Du Page Water Commission
**Project Name:** Non-Compliance Drinking Water Analysis
**Report Date:** September 30, 2018
**Workorder:** 1808883

**Client Sample ID:** 1-6
**Lab ID:** 1808883-001
**Date Received:** 08/09/2018 4:24 PM
**Matrix:** DRINKING WATER
**Collection Date:** 08/09/2018 12:00 AM

| Parameter | Result | MCL | Report Limit | Qual. | Units | Dilution Factor | Date Analyzed | Batch ID |
|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS (REGULATED)** | | | Method: EPA-524.2-Rev R4.1 | | | | Analyst: mkl | |
| Trichloroethene | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,1,1-Trichloroethane | ND | 200 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| 1,1,2-Trichloroethane | ND | 5.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Vinyl chloride | ND | 2.00 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| m,p-Xylene | ND | | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| o-Xylene | ND | | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Total Xylenes | ND | 10,000 | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Internal Quality Control Compounds | | | | | | | | |
| SS: 1,2-Dichlorobenzene-d4 | 99.0 | | 70-130 | | %Rec | 1 | 08/10/2018 11:37 AM | R99290 |
| SS: 4-Bromofluorobenzene | 105 | | 70-130 | | %Rec | 1 | 08/10/2018 11:37 AM | R99290 |
| **VOLATILE ORGANIC COMPOUNDS (UNREGULATED)** | | | Method: EPA-524.2-Rev 4.1, 1995 | | | | Analyst: mkl | |
| Methyl tert-butyl ether | ND | | 0.500 | | µg/L | 1 | 08/10/2018 11:37 AM | R99290 |
| Internal Quality Control Compounds | | | | | | | | |
| SS: 1,2-Dichlorobenzene-d4 | 99.0 | | 70-130 | | %Rec | 1 | 08/10/2018 11:37 AM | R99290 |
| SS: 4-Bromofluorobenzene | 105 | | 70-130 | | %Rec | 1 | 08/10/2018 11:37 AM | R99290 |
| **ORGANIC COMPOUNDS** | | | Method: MDOCDW-525.2-Rev | | | | Analyst: maa | |
| Alachlor | U | | 0.10 | G | ug/L | 1 | 08/23/2018 2:34 AM | R100920 |
| Atrazine | U | | 0.10 | G | ug/L | 1 | 08/23/2018 2:34 AM | R100920 |
| Simazine | U | | 0.070 | G | ug/L | 1 | 08/23/2018 2:34 AM | R100920 |
| **ALKALINITY, TOTAL** | | | Method: SM-2320B-Rev 21st Ed, 1997 | | | | Analyst: CY | |
| Alkalinity, Total(As CaCO3) | 107 | | 20.0 | | mg/L CaCO3 | 1 | 08/14/2018 11:28 AM | R99292 |
| **TOTAL NITRATES (NITRATE+NITRITE)** | | | Method: | | | | Analyst: pel | |
| Total Nitrates (as N) | .5 | 10.0 | 0 | | mg/L | 1 | 08/10/2018 1:02 PM | R99194 |
| **PH METHOD 9041A (IN LABORATORY)** | | | Method: EPA-9041A-Rev 1, Jul-92 | | | | Analyst: pel | |
| pH | 7 | | | V c | pH Units | 1 | 08/10/2018 1:02 PM | R99194 |
| **COLIFORM, PRESENCE-ABSENCE-COLILERT** | | | Method: SM-9223B-PA-Rev 1997 Rev. Online | | | | Analyst: MMM | |
| E. coli | 0 | | 0 | | CFU/100ml | 1 | 08/09/2018 4:55 PM | 54053 |
| Total Coliform | 0 | | 0 | | CFU/100ml | 1 | 08/09/2018 4:55 PM | 54053 |
| **TURBIDITY** | | | Method: EPA-180.1-Rev 2.0, Aug-93 | | | | Analyst: src | |



Created: 9/30/2018 9:51:08 AM

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# Laboratory Results

**Client ID:** Du Page Water Commission
**Project Name:** Non-Compliance Drinking Water Analysis

**Report Date:** September 30, 2018
**Workorder:** **1808883**

**Client Sample ID:** **1-6**
**Lab ID:** 1808883-001
**Date Received:** 08/09/2018 4:24 PM

**Matrix:** DRINKING WATER
**Collection Date:** 08/09/2018 12:00 AM

| Parameter | Result | MCL | Report Limit | Qual. | Units | Dilution Factor | Date Analyzed | Batch ID |
|---|---|---|---|---|---|---|---|---|
| **TURBIDITY** | | | Method: EPA-180.1-Rev 2.0, Aug-93 | | | | Analyst: src | |
| Turbidity | 0.300 | | 0.100 | c | NTU | 1 | 08/10/2018 4:55 PM | R99211 |



Created: 9/30/2018 9:51:08 AM

**Suburban Laboratories, Inc.**
1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# PREP DATES REPORT

**Client:** DuPage Water Commission
**Project:** Non-Compliance Drinking Water

**Report Date:** September 30, 2018
**Lab Order:** **1808883**

| Sample ID | Collection Date | Batch ID | Prep Method | Prep Test Name | TCLP Date | Prep Date |
|---|---|---|---|---|---|---|
| 1808883-001A | 8/9/2018 | 54062 | TURB_METALS | Turbidity Check | | 8/10/2018 |
| 1808883-001D | | 54053 | T_COLI_PR | Total Coliform Prep | | 8/9/2018 |



Created: 9/30/2018 9:51:09 AM

**Suburban Laboratories, Inc.**
1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# Qualifier Definitions

WO#: **1808883**
Date: **9/30/2018**

## Qualifiers:

| | |
|---|---|
| */x | Value exceeds Maximum Contaminant Level |
| B | Analyte detected in the associated Method Blank |
| C | Value is below Minimum Concentration Limit |
| c | Analyte not in SLI scope of accreditation |
| E | Estimated, detected above quantitation range |
| G | Refer to case narrative page for specific comments |
| H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limit (QL) |
| N | Tentatively identified compounds |
| ND | Not Detected at the Reporting Limit |
| P | Present |
| Q | Accreditation is not available from Wisconsin |
| R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits |
| T | Analyte detected in sample trip blank |
| V | EPA requires field analysis/filtration. Lab analysis would be considered past hold time. |

# LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

# STATE CERTIFICATION LIST

| State | Certification | State | Certification |
|---|---|---|---|
| Alabama | 40700 | Missouri | 880 |
| Alaska | IN00035 | Montana | CERT0026 |
| Arizona | AZ0432 | Nebraska | NE-OS-05-04 |
| Arkansas | IN00035 | Nevada | IN00035 |
| California | 2920 | New Hampshire* | 2124 |
| Colorado | IN035 | New Jersey* | IN598 |
| Colorado Radiochemistry | IN035 | New Mexico | IN00035 |
| Connecticut | PH-0132 | New York* | 11398 |
| Delaware | IN035 | North Carolina | 18700 |
| Florida* | E87775 | North Dakota | R-035 |
| Georgia | 929 | Ohio | 87775 |
| Hawaii | IN035 | Oklahoma | D9508 |
| Idaho | IN00035 | Oregon (Primary AB)* | 4074-001 |
| Illinois* | 200001 | Pennsylvania* | 68-00466 |
| Illinois Microbiology | 17767 | Puerto Rico | IN00035 |
| Illinois Radiochemistry | IN00035 | Rhode Island | LAO00343 |
| Indiana Chemistry | C-71-01 | South Carolina | 95005 |
| Indiana Microbiology | M-76-07 | South Dakota | IN00035 |
| Iowa | 098 | Tennessee | TN02973 |
| Kansas* | E-10233 | Texas* | T104704187-15-8 |
| Kentucky | 90056 | Texas/TCEQ | TX207 |
| Louisiana* | LA180008 | Utah* | IN00035 |
| Maine | IN00035 | Vermont | VT-8775 |
| Maryland | 209 | Virginia* | 460275 |
| Massachusetts | M-IN035 | Washington | C837 |
| Michigan | 9926 | West Virginia | 9927 C |
| Minnesota* | 018-999-338 | Wisconsin | 999766900 |
| Mississippi | IN035 | Wyoming | IN035 |
| EPA | IN00035 | | |

*NELAP/TNI Recognized Accreditation Bodies

eurofins | Eaton Analytical

## NELAC NARRATIVE PAGE

Client: Suburban Laboratories Report #: 426694NP

Eurofins Eaton Analytical, Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAC standards, unless otherwise noted.

EEA contact person: Traci Chlebowski

NELAP requires complete reporting of deviations from method requirements, regardless of the suspected impact on the data. Quality control failures not reported within the report summary are noted here.

There were no quality control failures.



Traci Chlebowski ASM 09/12/2018

Authorized Signature Title Date

eurofins | Eaton Analytical

110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

# Laboratory Report

Client: Suburban Laboratories

Attn: Pat Rodriguez
1950 South Batavia Avenue
Suite 150
Geneva, IL 60134

Report: 426694
Priority: Standard Written
Status: Final
PWS ID: Not Supplied

**Sample Information**

| EEA ID # | Client ID | Method | Collected Date / Time | Collected By: | Received Date / Time |
|---|---|---|---|---|---|
| 4028186 | 1808883-001F | 525.2 | 08/09/18 00:00 | Client | 08/16/18 11:15 |

**Report Summary**

Note: Sample container was provided by the client.

Note: The samples submitted for analysis were received at a temperature of 6.6°C. The client was notified of the situation, and analysis was authorized by Pat Rodriguez of Suburban Labs.

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Traci Chlebowski at (574) 233-4777.

*Note: This report may not be reproduced, except in full, without written approval from EEA. EEA is accredited by the National Environmental Laboratory Accreditation Program (NELAP).*

Traci Chlebowski ASM — 09/12/2018

Authorized Signature | Title | Date

Client Name: Suburban Laboratories
Report #: 426694

Client Name: Suburban Laboratories Report #: 426694

Sampling Point: 1808883-001F PWS ID: Not Supplied

| Semi-volatile Organic Chemicals | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte ID # | Analyte | Method | Reg Limit | MRL† | Result | Units | Preparation Date | Analyzed | EEA ID # |
| 15972-60-8 | Alachlor | 525.2 | 2 * | 0.1 | < 0.1 | ug/L | 08/21/18 08:00 | 08/23/18 02:34 | 4028186 |
| 1912-24-9 | Atrazine | 525.2 | 3 * | 0.1 | < 0.1 | ug/L | 08/21/18 08:00 | 08/23/18 02:34 | 4028186 |
| 122-34-9 | Simazine | 525.2 | 4 * | 0.07 | < 0.07 | ug/L | 08/21/18 08:00 | 08/23/18 02:34 | 4028186 |

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

| Reg Limit Type: | MCL | SMCL | AL |
|---|---|---|---|
| Symbol: | * | ^ | ! |

## Lab Definitions

**Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) -** is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

**Internal Standards (IS) -** are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

**Laboratory Duplicate (LD) -** is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

**Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) -** is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

**Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) -** is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

**Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) -** is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

**Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) -** is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

**Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) -** is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

**Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) -** is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

**Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) -** is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

**Surrogate Standard (SS) / Surrogate Analyte (SUR) -** is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

# CHAIN OF CUSTODY RECORD

| Omega COCID 18231 | PAGE: 1 | OF: 1 |
|---|---|---|

351558

426381 426694
SS 8-2018

**ADDRESS**
*Suburban Laboratories, Inc.*
*1950 S. Batavia Ave., Suite 150*
*Geneva, IL 60134*
*TEL: (708) 544-3260*
*FAX: (708) 544-8587*
*Website: www.suburbanlabs.com*

SUB CONTRATOR: **EUROFINS** COMPANY: **Eurofins Eaton Analytical**

ADDRESS: **110 South Hill Street**

CITY, STATE, ZIP: **South Bend, IN 46617**

PHONE: **(574) 233-4777** FAX: **(574) 233-8207** EMAIL:

ACCOUNT #:

SPECIAL INSTRUCTIONS / COMMENTS:

Alachlor
Atrazine
Simazine
only

| ITEM # | SAMPLE ID | CLIENT SAMPLE ID | BOTTLE TYPE | MATRIX | DATE COLLECTED | NUMBER OF CONTAINERS | COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description. |
|---|---|---|---|---|---|---|---|
| 1 | 1808883-001F<br>525_SUB (E525.2) | 1-6 | A-L-NS | W | 8/9/2018 | 1 | 525_SUB(3/29): ALACL ATRAZINE SIMAZINE |

(1)

4028186

Client Provided Sample Container

8-17-18 EMAILED TEMP TO P. RODRIGUEZ TC

8/20/18 OK to continue per P. RODRIGUEZ TC

Signed COC was not Signed at "Relinquished by" by Client

| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
|---|---|---|---|---|---|
| | | | Johnathis | 8/16/18 | 1115 |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |

**TAT:** Standard ☐ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

**Note: RUSH requests will incur surcharges!**

REPORT TRANSMITTAL DESIRED: P. RODRIGUEZ TC

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 6.6 °C Attempt to Cool ? ice

Comments: Styrofoam cooler broke in transit

Page 1 of 15

# SUBURBAN LABORATORIES, Inc.

1950 S. Batavia Ave. Geneva, IL 60134 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

# CHAIN OF CUSTODY RECORD #

Electronic Version

Page 1 of 1

| | |
|---|---|
| Company Name | DuPAGE WATER COMMISSION |
| Company Address | 600 E. BUTTERFIELD RD |
| City / State / Zip | ELMHURST / IL / 60126 |
| Phone / Fax | 630-834-0100 / 630-834-0120 ☑ Fax Report |
| Email Address | mcghee@dpwc.org ☑ Email Report |
| Project ID / Location | Safe Water Test #1 |
| Project Manager (Report to) | TERRY McGHEE |
| Sample Collector(s) | JASON UNGER |

**TURNAROUND TIME REQUESTED**

☑ Normal ☐ RUSH* *Additional Rush Charges Approved.

*Date & Time Needed:

Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☒ None/Info only

☐ LUST ☐ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ Other *Please specify in comment section below.

**ANALYSIS & METHOD REQUESTED**

Enter an "X" in box below for request

| | SAMPLE IDENTIFICATION (Please use 1 line per container type) | COLLECTION DATE | COLLECTION TIME | MATRIX | GRAB/ COMP. | CONTAINERS Qty | CONTAINERS SIZE & TYPE | PRESERVATIVE | Pesticides | VOCs | pH (IN LAB) & Total Nitrates | Cl, SO4, TDS, Turbidity | Metals (ICP & ICPMS) | Total Coliforms (Presence / Absence) | R | Condition | Split | LAB # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | #1 | | | DW | GRAB/ | 2 | Amber,Glass | NaSulf+HCL | X | | | | | | | | | 001F |
| 2 | #2 | | | DW | GRAB/ | 2 | 40ml Vials, G | HCL | | x | | | | | | | | 001B |
| 3 | #3 | | | DW | GRAB/ | 1 | 8ozp | UNP | | | x | | | | | | | 001E |
| 4 | #4 | | | DW | GRAB/ | 1 | LP | UNP | | | | x | | | | | | 001A |
| 5 | #5 | | | DW | GRAB/ | 1 | LP | UNP | | | | | x | | | | | 001C |
| 6 | #6 | | | DW | GRAB/ | 1 | 120mlp | NaThioSulf | | | | | | x | | | | 001D |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |

| | |
|---|---|
| PO No. | ORDER # 1 |
| Shipping Method | |
| QC Reporting Level | ☐ 1 ☐ 2 ☐ 3 |
| LAB USE ONLY | |
| SLI Order No. | 1808883 |
| Sample containers supplied by customer? | ☐ Yes |
| Temperature of Received Samples | 5 °C |
| Samples received within 24 hours of collection? | ☐ Yes |

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: $H_2SO_4$, HCl, $HNO_3$, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

*COMMENTS & SPECIAL INSTRUCTIONS:*

PLEASE FILL IN HIGHLIGHTED AREAS

**CONDITION CODES**

1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

| | Date | | Date | | Date | | Date |
|---|---|---|---|---|---|---|---|
| 1. Relinquished By | 8-9-18 | 2. Relinquished By | 8-9-18 | 3. Relinquished By | | 4. Relinquished By | |
| Received By ☑ Ice | Time 15:10 | Received By ☑ Ice | Time 16:24 | Received By ☐ Ice | Time | Received By ☐ Ice | Time |

Submission of samples subject to Terms and Conditions on back. Rev. 2/01/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.