

# SUBURBAN LABORATORIES, Inc.



4140 Litt Drive Hillside, Illinois 60162  
Tel. (708) 544-3260 Toll Free (800) 783-LABS  
Fax (708-544-8587  
[www.suburbanlabs.com](http://www.suburbanlabs.com)

August 03, 2010

Mike Carpanzano  
Village of Melrose Park  
1002 North 27th Avenue  
Melrose Park, IL 60160

**Workorder: 1007275**

TEL: (708) 531-5360  
FAX: (708) 345-1391  
RE: Disinfectant By Products

Dear Mike Carpanzano:

Suburban Laboratories, Inc. received 1 sample(s) on 7/8/2010 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 on, 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



**Suburban Laboratories, Inc.**

4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

**Case Narrative**

**Client:** Village of Melrose Park

**Project:** Disinfectant By Products

**WorkOrder:** 1007275

**Temperature of samples upon receipt at SLI:** 12 C

**Date:** August 03, 2010

**PO #:**

**QC Level:** LEVEL I

**Chain of Custody #:** PREPRINTED

**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.

**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
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

**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:**



**Client ID:** Village of Melrose Park  
**Project Name:** Disinfectant By Products

**Report Date:** August 03, 2010  
**Lab Order:** 1007275

**Client Sample ID:** DBPMAX

**Matrix:** DRINKING WATER

**Lab ID:** 1007275-001

**Date Received:** 07/08/2010 8:50 AM

**Collection Date:** 07/08/2010 8:30 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
<b>TRihalOMETHANES (THM)</b>		Method: EPA-524.2-Rev 4.1, 1995			Analyst: ts			
Chloroform	12.5	0	1.00		µg/L	1	07/09/2010 10:28 PM	R3634
Bromodichloromethane	8.45	0	1.00		µg/L	1	07/09/2010 10:28 PM	R3634
Dibromochloromethane	5.28	0	1.00		µg/L	1	07/09/2010 10:28 PM	R3634
Bromoform	ND	0	1.00		µg/L	1	07/09/2010 10:28 PM	R3634
Total Trihalomethanes (TTHMS)	26.2	80.0	2.00		µg/L	1	07/09/2010 10:28 PM	R3634
Surr: 1,2-Dichlorobenzene-d4	108	0	53.4-133		%REC	1	07/09/2010 10:28 PM	R3634
Surr: 4-Bromofluorobenzene	100	0	65.5-123		%REC	1	07/09/2010 10:28 PM	R3634
<b>HALOAcETIC ACIDS (HAA5)</b>		Method: EPA-552.3-Rev 1.0, July 2003			Analyst: dp			
Chloroacetic acid	ND	0	2.00		µg/L	1	07/30/2010 3:58 PM	1299
Dichloroacetic acid	10.5	0	1.00		µg/L	1	07/30/2010 3:58 PM	1299
Trichloroacetic acid	8.13	0	1.00		µg/L	1	07/30/2010 3:58 PM	1299
Bromoacetic acid	2.77	0	1.00		µg/L	1	07/30/2010 3:58 PM	1299
Dibromoacetic acid	1.69	0	1.00		µg/L	1	07/30/2010 3:58 PM	1299
Total Haloacetic Acids (HAA5)	23.1	60.0	0		µg/L	1	07/30/2010 3:58 PM	1299
Surr: 2-Bromobutanoic acid	110	0	70-130		%REC	1	07/30/2010 3:58 PM	1299

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	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	R RPD outside accepted recovery limits



# Suburban Laboratories, Inc.

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## PREP DATES REPOR

**Client:** Village of Melrose Park  
**Project:** Disinfectant By Products

**Report Date:** August 03, 2010  
**Lab Order:** 1007275

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1007275-001B	7/8/2010 8:30:00 AM	1299	552PR	AQPREP: HAAs		7/20/2010



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## Chain of Custody for Drinking Water Compliance Testing

Report To:  
 Mike Carpanzano  
 Village of Melrose Park  
 1002 North 27th Avenue  
 Melrose Park, IL 60160

Phone: (708) 531-5360  
 Project ID: **0311860 - DBP**

Collected By: CARMEN FIORAVANTI

Lab Use Only  
 Workorder: 1007-275  
 Lab Sample Number

Sample Point	# Bott	Analysis	Date Collect	Time Collect	Lab Sample Number
DBPMAX 104 N 23RD AVE	2	524THM	7-8-10	8:30	1A
DBPMAX 104 N 23RD AVE	2	552	7-8-10	8:30	1B

Relinquished By: Carmen Fioravanti Date/Time 7-8-10 8:50

Received By: [Signature] Date/Time 7/8/10 8:50

Please provide any contact or address changes as needed.

Lab Use Only  
 Received on Ice:  Yes / No  
 Received Temperature: 12 C  
 Received By: [Signature]  
 Date Received: 7/8/10 Time Received: 8:50  
 Lab Delivery: SLI  Client  UPS  FedEx  Mail  Other



## Analysis Report Form

### -Water System Section-

Water System Name: MELROSE PARK  
 Sampling Period: 07/01/2010 to 09/30/2010  
 Water System Number: IL0311860

### -Sampling Point Section-

WSF State Asgn ID: DISTRIBUTION / Description: MELROSE PARK  
 Sampling Point: DBPMAX / Description: Disinfection By-Products

Collection Date (MMDDYYYY): 07-08-2010

Collection Time: 8:30

Sample Collector Name Telephone No.: CARMEN FIORAVANTI 1708-531-5360

Sample Purpose (Circle One): Routine (RT) Repeat (RP) Special (SP)

Sample Type (Circle One): Finished (FN) Raw (RW) Distribution (DS)

### - Required Sampling at Sample Point DBPMAX -

Analyte Group Code: DBP

Analyte	Analyte Code	Method Code*	w/ Units of Measurement*	
			Lab Reporting Level	Concentration
MONOCHLOROACETIC ACID	2450			
DICHLOROACETIC ACID	2451			
TRICHLOROACETIC ACID	2452			
MONOBROMOACETIC ACID	2453			
DIBROMOACETIC ACID	2454			
CHLOROFORM	2941			
BROMOFORM	2942			
BROMODICHLOROMETHANE	2943			
DIBROMOCHLOROMETHANE	2944			



Illinois  
Environmental Protection Agency

**-Laboratory Section-**

Laboratory State ID Number: \_\_\_\_\_

Laboratory Name: \_\_\_\_\_

Lab Sample Number: \_\_\_\_\_

Date Lab Rcpt.: \_\_\_\_\_

Complete Date: \_\_\_\_\_

Complete Time: \_\_\_\_\_

Comments (Data Quality Issues): \_\_\_\_\_

**Mail Results to: Illinois Environmental Protection Agency  
Drinking Water Compliance Unit, Mailstop #19  
1021 North Grand Avenue East, P.O. 19276  
Springfield, IL 62794-9276**

**Questions Call: (217) 785-0561**

**Fax: (217) 557-1407**

Signature of Analyst or Official \_\_\_\_\_

Date Forwarded \_\_\_\_\_

**\* See List of Permitted Values**

This Agency is authorized to require this information under Illinois Revised Statutes, 1987, Chapter 111 1/2, Section 1004(H). Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 and an additional civil penalty up to \$1,000.00 for each day the failure continues. a fine up to \$1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.