

Elaine Geallis <egeallis@glenbrook225.org>

Re: FOIA request - Chicago Tribune

1 message

Rosanne Marie Williamson rwilliamson@glenbrook225.org
To: "Richards, Jennifer" jrichards@chicagotribune.com

Tue, May 17, 2016 at 2:53 PM

Bcc: egeallis@glenbrook225.org

Dear Ms. Richards.

Thank you for writing to Glenbrook High School District 225 with your request for information pursuant to the Illinois Freedom of Information Act, 5 ILCS 140/1 et seq.

On 5/13//2016 we received your request for the following information:

- Records of all requests to test for lead in water in district-owned or leased facilities.
- Records of the results of all tests for lead in water in district-owned or leased facilities.
- Records of all contracts related to water-quality testing and records of payments to those vendors performing such testing in district buildings.

District response: Please see attached.

Sincerely,

Rosanne Williamson, Ed.D.
Secretary, Board of Education
Assistant Superintendent for Educational Services
Glenbrook High School District 225
3801 West Lake Avenue
Glenview, IL 60026

On Fri, May 13, 2016 at 5:04 PM, Richards, Jennifer < irichards@chicagotribune.com> wrote:



May 13, 2016

Dr. Rosanne Williamson

Northfield Twp HSD 225

3801 W Lake Ave

Glenview 60026 1292

Dr. Rosanne Williamson:

In accordance with the Illinois Freedom of Information Act (5 ILCS 140), I hereby request your office provide access to the following public records from Northfield Twp HSD 225 relating to water quality testing and associated environmental testing contracts dating back to July 1, 2012:

- Records of all requests to test for lead in water in district-owned or leased facilities.
- Records of the results of all tests for lead in water in district-owned or leased facilities.
- Records of all contracts related to water-quality testing and records of payments to those vendors performing such testing in district buildings.

If these public records are maintained electronically, please provide them in that format. If this is data tracked in a spreadsheet or database, please provide it in its native database format. In addition, please provide the records as they become available.

In the unlikely event that you claim any portion of the above public records to be exempt from disclosure under 5 ILCS 140, in writing please (i) identify which portion or portions you claim are exempt and the statutory provision or provisions you contend apply; (ii) set forth the reasons for your conclusion that such portion or portions are exempt; and (iii) release the remainder of such records for inspection and copying, redacting only the portion or portions you claim are exempt.

Please feel free to call or email me to discuss this request.

Sincerely,

Jennifer Smith Richards

312-222-5430

jrichards@chicagotribune.com

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Rosanne Williamson Ed.D.
Assistant Superintendent for Educational Services

Glenbrook H.S. District 225 3801 West Lake Ave. Glenview, IL 60026 847-486-4701

6 attachments















1429 Centre Circle Drive Downers Grove, IL 60515 Phone: (630) 691-8271 Fax: (630) 691-1819

E-Mail: uasinc@uas1.com

April 28, 2016

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

UAS Project #1699194-01

Attn: Ms. Kim Ptak, Director of Facilities

Re:

Professional Industrial Hygiene Services - Drinking Water Sampling & Analyses (Lead & Copper)

Northfield Township High School District #225

S.D. #225 Off Campus Building

1835 Landwehr Road, Glenview, Illinois 60025

April 15, 2016

Dear Ms. Ptak:

United Analytical Services, Inc. (UAS) prepared this executive summary of findings for drinking water sampling performed for Northfield Township High School District #225 at The Northfield Township High School District #225 Off Campus Building on April 15, 2016. The current testing involved sampling/monitoring for Lead (Pb) and Copper (Cu), first draw samples, at seven (7) representative locations throughout the school facility. All sampling was performed under the direct supervision of a Certified Industrial Hygienist (CIH).

The test results were compared to US Environmental Protection Agency (EPA) Primary Standard for Lead (PB) and Secondary Standard for Copper (Cu). The Maximum Contaminant Level (MCL) target levels for Pb and Cu are <15 ug/L and <1,300 ug/L, respectively. Review of the test results indicate that all seven (7) of the representative water samples collected were determined to be below the MCL target levels. For example, the reported concentrations for the current sampling noted that the seven (7) Pb levels ranged from None Detected (<5.0 ug Lead/L) to 8.17 ug/L and the reported concentrations for Cu ranged from None Detected (<100 ug Copper/L) to 727 ug/L. These results are a strong indicator that Pb and Cu in the drinking water at The Northfield Township High School District #225 Off Campus Building were at the lower end of the recommended Primary and Secondary MCL target levels.

Thank you for the continued opportunity to be of service to Northfield Township High School District #225. If you have any questions regarding this information, please do not hesitate to contact our office,

Sincerely,

UNITED ANALYTICAL SERVICES, INC.

Thad Daniels

Director of Field Services

cc: Kevin E. Aikman, Ph.D., CIH, FAIHA

S:\TD\IHReports\SD225.Off Campus Building\Water Testing.Report.1699194-01

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

April 20, 2016

Thad Daniels
United Analytical Services
1429 Centre Circle Drive
Downers Grove, IL 60515

TEL: (630) 691-8271 FAX: (630) 691-1819

RE: SD #225 Off Campus Bldg

Dear Thad Daniels:

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.

Work Order: 1604A98

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

The Robye

Customer Service Manager 708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350

SUBURBAN LABORATORIES, Inc.



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

Case Narrative

Client: UNITED_ANALY_DW
Project: SD #225 Off Campus Bidg

Date: April 20, 2016 **PO:** 1699194-01

WorkOrder: 1604A98

QC Level: LEVEL I

Temperature of samples upon receipt at lab: 4 C

Chain of Custody: EV

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 water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

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:

1604A98-001A - 007A was preserved in the lab.

SUBURBAN LABORATORIES, inc.



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

Laboratory Results

Client: United Analytical Services

Report Date: April 20, 2016

Project: SD #225 Off Campus Bldg

Workorder: 1604A98

Client Sample ID: #OC-01 Hallway DWF

Matrix: Drinking Water

Lab ID: 1604A98-001

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:35 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 1	994				Analyst: jmk	
Copper	190	1,300	100		μ g/ L	1	4/19/2016 5:04 AM	35658
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 5:04 AM	35658

Client Sample 1D: #OC-02 Staff Lounge Sink

Matrix: Drinking Water

Lab ID: 1604A98-002

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:40 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	194				Analyst: jmk	
Copper Lead	158 ND	1,300 15.0	100 5.00		μg/L μg/L	1	4/19/2016 5:07 AN 4/19/2016 5:07 AN	

Client Sample ID: #OC-03 Foods Lab Sink

Matrix: Drinking Water

Lab ID: 1604A98-003

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:45 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	: Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	369	1,300	100		μg/L	1	4/19/2016 5:18 AM	35658
Lead	ND	15,0	5.00		μg/L	1	4/19/2016 5:18 AM	35658

Client Sample ID: #OC-04 Science Lab Sink

Matrix: Drinking Water

Lab ID: 1604A98-004

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:50 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	366	1,300	100		μg/L	i	4/19/2016 5:21 AM	35658

SUBURBAN LABORATORIES, Inc.



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

Laboratory Results

Client: United Analytical Services

Client Sample ID: #OC-04 Science Lab Sink

Report Date: April 20, 2016

Project: SD #225 Off Campus Bldg

Workorder: 1604A98

Matrix: Drinking Water

Lab ID: 1604A98-004

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:50 AM

Parameter

Report Result MCL

DF Date Analyzed BatchID

METALS by ICPMS

Method: EPA-200.8-5.4, 1994

Units

Qual

ND 15.0

5.00

Limit

Report

Limit

μg/L

4/19/2016 5:21 AM

Analyst: jmk

35658

Client Sample ID: #OC-05 Women's Bathroom Sink

Matrix: Drinking Water

Lab ID: 1604A98-005

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:55 AM

Parameter

Result MCL

Method: EPA-200.8-5.4, 1994

15.0

Qual Units DF Date Analyzed BatchID

Analyst: jmk

METALS by ICPMS Copper

Lead

Lead

ND 1,300

100 5.00 4/19/2016 5:24 AM 4/19/2016 5:24 AM

35658

35658

Client Sample ID: #OC-06 Mech Room HWT

μg/L

μg/L

Matrix: Drinking Water

Lab ID: 1604A98-006

Date Received: 4/15/2016 10:25 AM

ND

Collection Date: 4/15/2016 7:00 AM

Analyst: jmk

DF Date Analyzed BatchID

Analyst: jmk

4/19/2016 5:30 AM

4/19/2016 5:30 AM

Parameter

Result MCL Report Qual Units

METALS by ICPMS

Method: EPA-200.8-5.4, 1994

Limit

DF Date Analyzed BatchID

Copper Lcad

727 1,300 8.17 15.0

100 5.00

μg/L μg/L 4/19/2016 5:27 AM 4/19/2016 5:27 AM

35658 35658

35658

35658

Client Sample ID: #OC-07 2nd Floor Work Room Sink

μg/L

μg/L

Matrix: Drinking Water

Lab ID: 1604A98-007

Date Received: 4/15/2016 10:25 AM

ND

ND

Method: EPA-200.8-5.4, 1994

1,300

15.0

Collection Date: 4/15/2016 7:05 AM

Parameter **METALS by ICPMS**

Result

MCL

Report Qual Units Limit

100

5.00

Copper Lead

SUBURBAN LABORATORIES, Inc.



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

Prep Dates

Report Date: April 20, 2016

Original

Workorder: 1604A98

Client: United Analytical Services

Project: SD #225 Off Campus Bldg

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1604A98-001A	#OC-01 Hallway DWF	4/15/2016 6;35 AM		
			35658 Turbidity Check	4/18/2016 12:03 PM
1604A98-002A	#OC-02 Staff Lounge Sink	4/15/2016 6:40 AM		
			35658 Turbidity Check	4/18/2016 12:03 PM
1604A98-003A	#OC-03 Foods Lab Sink	4/15/2016 6:45 AM		
			35658 Turbidity Check	4/18/2016 12:03 PM
1604A98-004A	#OC-04 Science Lab Sink	4/15/2016 6:50 AM		
			35658 Turbidity Check	4/18/2016 12:03 PM
1604A98-005A	#OC-05 Women's Bathroom Sink	4/15/2016 6:55 AM	· · · · · · · · · · · · · · · · · · ·	
			35658 Turbidity Check	4/18/2016 12:03 PM
1604A98-006A	#OC-06 Mech Room HWT	4/15/2016 7:00 AM		
			35658 Turbidity Check	4/18/2016 12:03 PM
1604A98-007A	#OC-07 2nd Floor Work Room Sink	4/15/2016 7:05 AM		
			35658 Turbidity Check	4/18/2016 12:03 PM

SUBURBAN LABORATORIES, Inc.



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

Qualifier Definitions

Report Date: April 20, 2016

WorkOrder: 1604A98

Qualifiers:

*	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
С	Analyte not in SLI scope of accreditation
C	Value is below Minimum Concentration Limit
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 compound
ND	Not Detected at the Reporting Limit
P	Present
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

SUBURBAN LABORATORIES, In	ORATO	RIES, Ir				CHAIN (CHAIN OF CUSTODY RECORD	RECORD	#	77.7	
Comment No. 1950 S. Batavia Ave., Ste. 150, Geneva, IL 60134	Geneva, il. 60	134		708.5	Tel. 708,544,3260 Toll F	Toll Free: 800.783.LABS	ABS www.suburbanlabs.com	ınlabs.∞m	בופרו	LICCUOINC VERSION	
United Analytical Services, Inc.	ľoc.			J.	TURNAROUND TIME REQUESTED	QUESTED	ANALYSIS & METHOD REQUESTED	REQUESTED	Page I of	_	
Company Address 1429 Centre Circle Drive			X		Normal RUSH'&	"Additional Rush RUSH Charges Approved.	Enter an "X" in box below for request	w for request	PO No. 16991	1699194-01	
Sowners G	Zp 60515	15	Ļβ	Date & Time Needed:	Needed:				Shipping Method	Hand	
0-816-9439 Fax		□ Fã	Fax Report	Pal T.A.T is S. ap	Normal TAT is 5.7 work days for most work. Rush work must be pre- approved and additional charges apply.	Rush work must be pre			QC Reporting		
Email Address tdaniels@uas1.com			S	secify Reg	Specify Regulatory Program: (3)	None/Info only			LABUS	LAB USE ONLY	ح[ار
Project ID / Location SD #225 Off Campus Bidg	ş] LUST	&	SDWA	3		SLI Order No. 1/	A De 1	000
sport 30				503	SO3 STUDGE	MWRDGC			Sample containers	- I	
Sample Collector(s) Thad Daniels	*] Disp	Disposal Others	*Please specify in comment Other cion below.			Temperature of Received Samples	1.3	
SAMPLE IDENTIFICATION	31100	COLLECTION	! :	GRAB	CONTAINERS		pber 19		Samples received within 24 hours of collection?	ion?	۳,
"Use One Line Per Preservation & Container Type	DATE	TIME	MATRIX	COMP.	Chy SIZE & TYPE	PRESERVATIVE	Bed IoO		R Condition	THE STATE OF	188
1 #OC-01 Hallway DWF	4/15/16	6:35 AM	DW	GRAB	2 .5L P	None	ľ				F
2 #OC-02 Staff Lounge Sink	4/15/16	6:40 AM	DW	GRAB	2 5L P	None	×				_
3 #OC-03 Foods Lab Sink	4/15/16	6:45 AM	DW	GRAB	2 .5L P	None	l				
4 #OC-04 Science Lab Sink	4/15/16	6:50 AM	ΜQ	GRAB	2 .5L P	None	××				
5 #OC-05 Women's Bathroom Sink	4/15/16	6:55 AM	DW	GRAB	2 SL P	None	×				
6 #OC-06 Mech Room HWT	4/15/16	7:00 AM	DW	GRAB	2 .SL P	None	×				
7 #OC-07 2nd Floor Work Room Sink	4/15/16	7:05 AM	DW	GRAB	2 5L P	None	××				17.7
60											
ത											
10											120
11											
										_	
MATRO: Drinking Water (DW), Soil (S), COMMENTS Wasto Water (WW), Surface Water(SW).	COMMENTS & SPECIAL INSTRUCTIONS	INSTRUCTIC	NS						TICNOS	CONDITION CODES	
Ground Water (GW), Solid Waste (WA).									1. improperoamogeo comemencap 2. improper preservation	o comisiment idion	g B
SHAGE (U), WIPE (P) SONTAINERS 202,			Ž	,		į			3. Insufficient sample volume	e volucio	
Glass (G), Plastic (P) PRESERVATIVE				brovid s	riease provide copy of COC with Final Keport.	n rinal Keport.			Headspacedair butbles for VOCs Bersing rest butfler thru	boles for VO	ő
M-SO., HCI, HNO, Methanol (MeCH) NaOH, Sodium Beutstrandel) MChic									6. Received frozen		
The state of the s	2 Refrontished By	had By							7. Label conflicts with COC	ь СОС	
1. 4 Oak 4/15/16					A Poinquisted By	Races By		4. Reimquathed By		Caste	
15, 40 0 1025	Received By	.		<u> </u>	Received By	Ŷá	#E	Received By		(1) (3)	
of samples subject to T	aditions on bac	.	Per.	Rev. 7/20/08	Pleas	e fill out this form	Please fill out this form completely print sign & sufmit with samples Keep a survival	frmit with same	ac Koon a com	- 2	1

Fage 8 of 8



1429 Centre Circle Drive Downers Grove, IL 60515 PHONE: (630) 691-8271 FAX: (630) 691-1819 E-Mail: uasinc@uas1.com

INVOICE

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026 INVOICE No:

14410-01F

DATE:

October 30, 2014

PROJECT No:

1499410-01

Attn: Mr. Chet Bachula, Glenbrook South High School Plant Operator

RE:

Professional Industrial Hygiene Services Potable Water Sampling and Analysis

Northfield Township High School District #225 -

Glenbrook South High School, 4000 W. Lake Avenue, Glenview, Illinois 60025

Final Invoice for Professional Industrial Hygiene & Analytical Services for the above referenced project. The services were provided on September 24, 2014 with email results and summary previously reported on October 1, 2014. This invoice includes services rendered, assessment, testing, documentation, laboratory analyses, equipment and final reporting. All fees are based on our 2014 professional services agreement with Northfield Township High School District #225 and your authorization to proceed..

UAS, Inc. PROFESSIONAL IAQ AND LABORATORY SERVICES

Professional Industrial Hygiene Services - Potable Water Sampling and Analysis - Northfield Township High School District #225 - Glenbrook South High School, 4000 W. Lake Avenue, Glenview, Illinois 60025. September 24, 2014.

5.0	Hours IH site visits, documentation, assessment and sample collection		
	@ \$90.00/hour	\$	450.00
2.0	Hours Senior IH consulting and report compilation @ \$125.00/hour	\$	250.00
0.5	Hours IH data and report review @ \$175.00/hour	\$	87.50
12.0	Water Sample Analyses Panel (Chlorine, Cominform, pH, T.S. & Turb	idity)	
	@ \$85.00 each	\$	1,020.00
TOTA	AL AMOUNT DUE THIS INVOICE	\$	1,807.50

Thank you for letting us be of service to Northfield Township High School District #225.

PAYMENT DUE WITHIN 30 DAYS BEYOND 30 DAYS INTEREST WILL BE CHARGED AT 1.5% PER MONTH

UAS now accepts MasterCard and Visa



1429 Centre Circle Drive Downers Grove, IL 60515 PHONE: (630) 691-8271 FAX: (630) 691-1819 E-Mail: uasinc@uas1.com

October 30, 2014

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026 UAS PROJECT No: 1399410-01

Attn: Mr. Chet Bachula, Glenbrook South High School Plant Operator

RE: Professional Industrial Hygiene Services

Potable Water Sampling and Analysis
Northfield Township High School District #225 -

Glenbrook South High School, 4000 W. Lake Avenue, Glenview, Illinois 60025

Mr. Bachula:

As previously reported, please see the attached laboratory results for the current background water sampling performed at your request by UAS at Glenbrook South High School on September 24, 2014.

Water Sampling. A total of twelve (12) representative potable water samples were collected from various locations throughout the school facility. The water samples were analyzed for general water quality parameters including Total Chlorine, pH, Total Dissolved Solids (TDS), Turbidity and to assess potential bacterial contamination (Total & E. coli bacteria). In accordance with the EPA Primary and Secondary Drinking Water Standards, Total Chlorine should be between 0.5-4.0 ppm, pH should range between 6.5 and 8.5 pH units, TDS should not exceed 500 ppm and Turbidity should be below 1 NTU. In general, pH levels above 8.5 and TDS levels above 500 ppm are an indicator of hard water and is not considered a health hazard. The EPA Secondary drinking water standards are based on taste, odor, color, corrosivity, foaming and staining properties of water. Chlorine is added to drinking water as a disinfectant. Low chlorine levels can result in growth of bacteria, such as Coliform bacteria, and high chlorine concentrations can result in the formation of potentially toxic trihalomethanes (THM). Coliform bacteria should not be present in potable water.

Review of the sampling results (see attached Table I and lab data) show that the Total Residual Chlorine concentrations throughout the facility were very low, although no Coliform Bacteria (Total Coliforms or E. Coli) were detected from any of the water sources examined. While these results suggest adequate chlorination/disinfection within the potable water system, a review of these water source locations by the District's engineering staff may be prudent. The laboratory analyses for pH, TDS and Turbidity were all within acceptable potable water regulatory and guidance levels.

Mr. Chet Bachula, Glenbrook South High School Plant Operator Potable Water Sampling and Analysis Northfield Township High School District #225 -Glenbrook South High School, 4000 W. Lake Avenue, Glenview, Illinois

October 30, 2014 Page -2-

Based on these limited test results, it appears that the overall water quality in the building is safe for human consumption and in compliance with the EPA Drinking Water Standards.

If you have any questions regarding these data, please do not hesitate to contact our office. Thank you for the continued opportunity to be of service to School District #225.

Sincerely,

United Analytical Services, Inc.

Thad Daniels

Director of Field Services

attachments: Table I - Water Sample Result Summary

Laboratory Data Report

td/14.SD225.GBSHS.1499410-01

Table 1. Summary of drinking water sampling results taken at the Northfield Township HS District #207 - Glenbrook South High School facility located at 4100 West Lake Avenue, Glenview, Illinois during baseline environmental testing on September 24, 2014.

SAMPLE LOCATION	Total Residual Chlorine (ppm)	pН	TDS (ppm)	Turbidity (NTU)	Coliform Bacteria** (CFU/100 ml)
GBS -1A/1B Science Office Sink	0.0300	7.95	320	0.111	ND
GBS-2A/2B Science Office Cooler	ND	7.98	130	ND	ND
GBS 3A/3B Water Fountain by Science Restroom Women	ND	7.99	154	0.210	ND -
GBS 4A/3B Water Fountain by Science Restroom Men	ND	8.06	416	ND	ND
GBS 5A/5B Water Fountain by Room 342	ND	7.95	278	0.130	ND
GBS 6A/6B Water Fountain by Room 344	ND	7.95	322	0.120	ND
GBS7A/7B Math Office Sink	0.740	7.93	300	ND	ND
GBS 8A/8B Math Office Cooler	0.0200	7.91	320	ND	ND
GBS 9A/9B Water Fountain by Room 444	0.170	7.91	316	ND	ND
GBS 10A/10B Water Fountain by Room 444	0.320	7.96	324	ND.	ND
GBS 11A/11B Water Fountain by Room 455	0.0300	7.91	374	ND	ND
GBS 12A/12B Water Fountain by Room 457	0.0300	7.95	320	ND	ND
Target Level*	0.5 - 4.0	6.5-8.5	<500	<1 - 5	None
Reporting Limit	0.0200	0	10.0	0.100	0

Notes: * = Based on the Federal Safe Drinking Water Act Primary & Secondary Standards.

** = Total Coliform and E. coli Bacteria

TDS = Total Dissolved Solids

NTU = Nephelometric Turbidity Units

ND = None Detected

SUBURBAN LABORATORIES, Inc.



October 01, 2014

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

Workorder: 1409D71

Kevin Aikman United Analytical Services 1429 Centre Circle Drive Downers Grove, IL 60515

TEL: (630) 691-8271 FAX: (630) 691-1819

RE: GBHS-GLENVIEW, IL

Dear Kevin Aikman:

Suburban Laboratories, Inc. received 24 sample(s) on 9/25/2014 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

Customer Service Manager

Tome Roonyen

708-544-3260 ext 214 pat@suburbanlabs.com





Case Narrative

Client: United Analytical Services
Project: GBHS-GLENVIEW, IL

WorkOrder: 1409D71

Temperature of samples upon receipt at SLI: 3 C

Date: October 01, 2014 **PO #:** 1499410-01

OC Level: LEVEL I

Chain of Custody #: 74421, 74023

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 water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

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:



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

Laboratory Results

Client ID: United Analytical Services Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-1A SCIENCE OFFICE SINK

Matrix: DRINKING WATER

Lab ID: 1409D71-001

Collection Date: 09/24/2014 3:00 PM

Report

Date Received: 09/25/2014 7:50 AM

Dilution

		Reput			Ditution			
Parameter	Result	MCL Limit	Qual,	Units	Factor	Date Analyzed	Batch ID	
CHLORINE, TOTAL RESIDUAL (IN LA	ABORATORY)	Method	: EPA-SM4500 CI	G-Rev 18th	ED, 1992	Analyst: mkl		
Residual Chlorine	0.210	0.0200		mg/L	1	09/25/2014 3:00 PM	R51858	
PH (IN LABORATORY) <atc></atc>		Method	: SM-4500H-B-Re	v 18Ed, 1992		Analyst: drc		
рН	8.01	1.00		pH units	1	09/25/2014 4:26 PM	R51875	
TOTAL DISSOLVED SOLIDS	8	Method	: SM-2540C-Rev	18Ed, 1992		Analyst; erw		
Residue, Filterable	130	10.0		mg/L	1	09/29/2014 2:40 PM	R51942	
TURBIDITY	8	Method	: EPA-180.1-Rev	2.0, Aug-93		Analyst: jmk		
Turbidity	0.110	0.100	J _	NTU	. 1	09/25/2014 2:32 PM	R51852	
Client Sample ID: GBS-1B SC	IENCE OFFICE	SINK		N	fatrix. DI	RINKING WATER		

Matrix: DRINKING WATER

09/25/2014 2:30 PM

Lab ID: 1409D71-002

E. Coli

Date Received: 09/25/2014 7:50 AM

0

0

Collection Date: 09/24/2014 3:00 PM

CFU/100ml

Report Dilution Factor Date Analyzed **Parameter** Result MCL Limit Qual. Units **Batch ID** COLIFORM, PRESENCE-ABSENCE Method: SM-9223B-PA-Rev 18Ed, 1992 Analyst; maz **Total Coliform** 0 0 CFU/100ml 1 09/25/2014 2:30 PM 24557

24557



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Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-2A SCIENCE OFFICE COOLER

Lab ID: 1409D71-003

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	BORATORY)	Method: El	PA-SM4500 CL-G-Rev 18th E	D, 1992	Analyst: mki	
Residual Chlorine	ND	0.0200	mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method: Si	#4500H-8-Rev 18Ed, 1992		Analyst: drc	
рН	7.98	1.00	pH units	1	09/25/2014 4:28 PM	R51875
TOTAL DISSOLVED SOLIDS		Method: Si	#-2540C-Rev 18Ed, 1992		Analyst: erw	
Residue, Filterable	130	10.0	mg/L	1	09/29/2014 2:40 PM	R51942
TURBIDITY		Method: El	PA-180.1-Rev 2.0, Aug-93		Analyst: jmk	
Turbidity	ND	0.100	NTU	1	09/25/2014 2:32 PM	R51852

Client Sample ID: GBS-2B SCIENCE OFFICE COOLER

Lab ID: 1409D71-004 Date

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution MCL Limit Factor Date Analyzed Batch ID Result Qual. Units **Parameter** COLIFORM, PRESENCE-ABSENCE Method: SM-9223B-PA-Rev 18Ed, 1992 Analyst: maz **Total Coliform** 0 0 CFU/100ml 1 09/25/2014 2:30 PM 24557 0 0 CFU/100ml 09/25/2014 2:30 PM 24557 E. Coli 1

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Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-3A WATER FOUNTAIN BY SCIE

Lab ID: 1409D71-005

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report **Dilution**

Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	BORATORY)	Method: E	EPA-SM4500 CL-G-Rev 18tl	n ED, 1992	Analyst: mkl	
Residual Chlorine	ND	0.0200	mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method: S	M-4500H-B-Rev 18Ed, 199	2	Analyst: drc	
рН	7.99	1.00	pH units	1	09/25/2014 4:29 PM	R51875
TOTAL DISSOLVED SOLIDS		Method: S	M-2540C-Rev 18Ed, 1992		Analyst: e.w	
Residue, Filterable	154	10.0	mg/L	1	09/29/2014 2:40 PM	R51942
TURBIDITY		Melhod: E	PA-180.1-Rev 2.0, Aug-93		Analyst: jmk	
Turbidity	0.210	0.100	NTU	1	09/25/2014 2:32 PM	R51852
Client Sample ID: GBS-3B WA	TER FOUNTAI	N BY SCIE		Matules Di	DINIVINIC WATER	

Lab ID: 1409D71-006

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
COLIFORM, PRESENCE-ABSEN	CE	Method	i: SM-9223B-PA-Rev 18Ed, 199	2	Analyst: maz	
Total Coliform	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557
E. Coll	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557



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Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-4A WATER FOUNTAIN BY SCIE

Lab ID: 1409D71-007

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report

Dilution

Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	BORATORY)	Method: Ei	PA-SM4500 CL-G-Rev 18th E	D, 1992	Analyst: mkt	
Residual Chlorine	ND	0.0200	mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method: SI	VI-4500H-B-Rev 18Ed, 1992		Analyst: drc	
рН	8.06	1.00	pH units	1	09/25/2014 4:31 PM	R51875
TOTAL DISSOLVED SOLIDS	Ð	Method: SI	M-2540C-Rev 18Ed, 1992		Analyst: erw	
Residue, Filterable	416	10.0	mg/L	1	09/30/2014 8:25 AM	R51965
TURBIDITY		Method: Ef	PA-180.1-Rev 2.0, Aug-93		Analyst: jmk	
Turbidity	ND	0.100	NTU	1	09/25/2014 2:32 PM	R51852

Client Sample ID: GBS-4B WATER FOUNTAIN BY SCIE

Lab ID: 1409D71-008

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

	Report			Dilution	ı		
Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID	
COLIFORM, PRESENCE-ABSENCE		Method:	SM-9223B-PA-Rev 18Ed, 1992	<u>.</u>	Analyst: maz		
Total Coliform	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557	
E. Coli	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557	



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Laboratory Results

Client ID: United Analytical Services

Report Date: October 01, 2014

Project Name: GBHS-GLENVIEW, IL

Workorder: 1409D71

Client Sample ID: GBS-5A WATER FOUNTAIN BY RM 3

Matrix: DRINKING WATER

Lab ID: 1409D71-009

Collection Date: 09/24/2014 3:00 PM

Report	Dilution
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Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	BORATORY)		Method	i: EPA-SM4500 CL	G-Rev 18th E	ED, 1992	Analyst: mkl	
Residual Chlorine	ND		0.0200		mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>			Method	i: SM-4500H-B-Re	v 18Ed, 1992		Analyst: drc	
рН	7.95		1.00		pH units	1	09/25/2014 4:33 PM	R51875
TOTAL DISSOLVED SOLIDS			Method	l: SM-2540C-Rev	18Ed, 1992		Analyst: erw	
Residue, Filterable	278		10.0		mg/L	1	09/30/2014 8:25 AM	R51965
TURBIDITY		Method: EPA-180.1-Rev 2.0, Aug-93 Analyst: jml				Analyst: jmk		
Turbidity	0.130		0.100	J	NTU	1	09/25/2014 2:32 PM	R51852
Client Sample ID: GBS-5B WA	TER FOUNTA	IN BY R	M 3		M	latrix: DF	RINKING WATER	27

Lab ID: 1409D71-010

Date Received: 09/25/2014 7:50 AM

Date Received: 09/25/2014 7:50 AM

Collection Date: 09/24/2014 3:00 PM

		Dilution			
Parameter	Result	MCL Limit	Oual.	Units	Factor 1

Parameter	Result	MCL Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
COLIFORM, PRESENCE-ABSENCE		Method	d: SM-9223B-PA-R	ev 18Ed, 1992		Analyst: maz	
Total Coliform	0	0	•	CFU/100ml	1	09/25/2014 2:30 PM	24557
E. Coll	0	0	(CFU/100ml	1	09/25/2014 2:30 PM	24557



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Laboratory Results

Client ID: United Analytical Services Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-6A WATER FOUNTAIN BY RM 3

Matrix: DRINKING WATER

Lab ID: 1409D71-011

Collection Date: 09/24/2014 3:00 PM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID	
CHLORINE, TOTAL RESIDUAL (IN LABORATORY)		Method: EPA-SM4500 CL-G-Rev 18th ED, 18			ED, 1992), 1992 Analyst: mkl		
Residual Chlorine	ND	0.0200		mg/L	1	09/25/2014 3:00 PM	R51858	
PH (IN LABORATORY) <atc></atc>		Method: 4	SM-4500H-B-Re	v 18Ed, 1992		Analyst: drc		
pН	7.95	1.00		pH units	1	09/25/2014 4:38 PM	R51875	
TOTAL DISSOLVED SOLIDS		Method: \$	6M-2540C-Rev 1	I8Ed, 1992		Analyst: erw		

Residue, Filterable 322 10.0 09/30/2014 8:25 AM mg/L 1

Date Received: 09/25/2014 7:50 AM

TURBIDITY Method: EPA-180.1-Rev 2.0, Aug-93 Analyst: jmk

0.100

Client Sample ID: GBS-6B WATER FOUNTAIN BY RM 3

0.120

Matrix: DRINKING WATER

09/25/2014 2:32 PM

Lab ID: 1409D71-012

Turbidity

Date Received: 09/25/2014 7:50 AM

Collection Date: 09/24/2014 3:00 PM

NTU

Parameter	Result	Report MCL Limit	Qual. Units	Dilution Factor	_	Batch ID
COLIFORM, PRESENCE-ABSENCE		Method:	SM-9223B-PA-Rev 18Ed, 1	992	Алаlyst: maz	
Total Coliform	0	0	CFU/100	mi 1	09/25/2014 2:30 PM	24557
E. Coli	0	0	CFU/100	ml 1	09/25/2014 2:30 PM	24557

R51965

R51852



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Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-7A MATH OFFICE SINK

Lab ID: 1409D71-013

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN L	ABORATORY)	Method: E	PA-SM4500 CL-G-Rev 18th E	D, 1992	Analyst; mkl	
Residual Chlorine	0.740	0.0200	mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method: Si	W-4500H-B-Rev 18Ed, 1992		Analyst: drc	
рН	7.93	1.00	pH units	1	09/25/2014 4:43 PM	R51875
TOTAL DISSOLVED SOLIDS		Method: Si	W-2540C-Rev 18Ed, 1992		Analyst: erw	
Residue, Filterable	300	10.0	mg/L	1	09/30/2014 8:25 AM	R51965
TURBIDITY		Method: El	PA-180.1-Rev 2.0, Aug-93		Analyst: jmk	
Turbidity	ND	0.100	NTU	11	09/25/2014 2:32 PM	R51852
Client Sample ID: GBS-7B M	ATH OFFICE SI	NK	M	atuly: DI	DINKING WATER	

Lab ID: 1409D71-014

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution **Parameter** Result MCL Limit Units Factor Date Analyzed Qual. **Batch ID** COLIFORM, PRESENCE-ABSENCE Melhod: SM-9223B-PA-Rev 18Ed, 1992 Analyst: maz **Total Coliform** 0 0 CFU/100ml 1 09/25/2014 2:30 PM 24557 E. Coll 0 0 CFU/100ml 09/25/2014 2:30 PM 24557

Rpt Ver: RECEPT 10/1/2014 2:08 PM



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Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-8A MATH OFFICE COOLER

Lab ID: 1409D71-015

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-SM4500 CL-G-Rev 18th ED, 1992 Analyst: mkl **CHLORINE, TOTAL RESIDUAL (IN LABORATORY)** Residual Chlorine 0.0200 0.0200 mg/L 09/25/2014 3:00 PM R51858 PH (IN LABORATORY) <ATC> Method: SM-4500H-B-Rev 18Ed, 1992 Analyst: drc 09/25/2014 4:44 PM рΗ 7.91 1.00 pH units R51875 Method: SM-2540C-Rev 18Ed, 1992 **TOTAL DISSOLVED SOLIDS** Analyst: erw Residue, Filterable 320 10.0 mg/L 09/30/2014 8:25 AM R51965 TURBIDITY Method: EPA-180.1-Rev 2.0, Aug-93 Analyst: Jmk **Turbidity** ND 0.100 NTU 09/25/2014 2:32 PM R51852

Client Sample ID: GBS-8B MATH OFFICE COOLER

Lab ID: 1409D71-016

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution **Parameter** Result MCL Limit Qual. Units Factor Date Analyzed Batch ID **COLIFORM, PRESENCE-ABSENCE** Method: SM-9223B-PA-Rev 18Ed, 1992 Analyst: maz **Total Coliform** CFU/100ml 09/25/2014 2:30 PM 0 0 1 24557 0 0 CFU/100ml E. Coll 09/25/2014 2:30 PM 24557



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

Laboratory Results

Client ID: United Analytical Services

Report Date: October 01, 2014

Project Name: GBHS-GLENVIEW, IL

Workorder: 1409D71

Client Sample ID: GBS-9A MENS WATER FOUNTAIN B

Matrix: DRINKING WATER

Lab ID: 1409D71-017

Collection Date: 09/24/2014 3:00 PM

Parameter	Result	Report MCL Limit	Qual. Units	Dilution Factor		Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	ABORATORY)	Method: EP	A-SM4500 CL-G-Rev 18	h ED, 1992	Analyst: mkl	
Residual Chiorine	0.170	0.0200	mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method; SM	-4500H-B-Rev 18Ed, 199	2	Analyst: drc	
рН	7.91	1.00	pH units	1	09/25/2014 4:46 PM	R51875
TOTAL DISSOLVED SOLIDS		Method: SM	-2540C-Rev 18Ed, 1992		Analyst: erw	
Residue, Filterable	316	10.0	mg/L	1	09/30/2014 8:25 AM	R51965
TURBIDITY		Method: EP	A-180.1-Rev 2.0, Aug-93		Analyst; jmk	
Turbidity	ND	0.100	NTU	1	09/25/2014 2:32 PM	R51852
Client Sample ID: GBS-9B ME	NS WATER FO	UNTAIN BY		Matrix: Di	RINKING WATER	
Lab ID: 1409D71-018	B Date Re	ceived: 09/25/2014 7:50	AM Collection	n Date: 09	/24/2014 3:00 PM	

Date Received: 09/25/2014 7:50 AM

Parameter	Result	Report MCL Limit	Qual. Units	Dilution Factor	Date Analyzed	Batch ID
COLIFORM, PRESENCE-ABSENCE		Method: S	6M-9223B-PA-Rev 18Ed, 1992	:	Analyst: maz	
Total Coliform	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557
F. Coll	0	n	CELI/100ml	1	00/25/2014 2:30 PM	24557



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Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-10A WOMENS WATER FOUNTAI

Lab ID: 1409D71-019

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Factor Date Analyzed Result MCL Limit Units **Batch ID Parameter** Qual. Method: EPA-SM4500 CL-G-Rev 18th ED, 1992 CHLORINE, TOTAL RESIDUAL (IN LABORATORY) Analyst: mkl Residual Chlorine 0.320 0.0200 mg/L 09/25/2014 3:00 PM R51858 PH (IN LABORATORY) <ATC> Method: SM-4500H-B-Rev 18Ed, 1992 Analyst: drc pН 7.96 1.00 09/25/2014 4:48 PM pH units R51875 Method: SM-2540C-Rev 18Ed, 1992 **TOTAL DISSOLVED SOLIDS** Analyst: erw Residue, Filterable 324 10.0 mg/L 09/30/2014 8:25 AM R51965 **TURBIDITY** Method: EPA-180.1-Rev 2.0, Aug-93 Analyst: jmk Turbidity NTU 0.100 09/25/2014 2:32 PM R51852

Client Sample ID: GBS-10B WOMENS WATER FOUNTAI

Lab ID: 1409D71-020

E. Coll

Date Received: 09/25/2014 7:50 AM

0

0

Matrix: DRINKING WATER

09/25/2014 2:30 PM

Collection Date: 09/24/2014 3:00 PM

CFU/100ml

Report Dilution **Parameter** Result MCL Limit Units Factor Date Analyzed **Batch ID** Qual. COLIFORM, PRESENCE-ABSENCE Method: SM-9223B-PA-Rev 18Ed, 1992 Analyst: maz **Total Collform** 0 CFU/100ml 09/25/2014 2:30 PM 0 1 24557

24557



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

Laboratory Results

Client ID: United Analytical Services Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-11A WATER FOUNTAIN BY RM

Matrix: DRINKING WATER

Lab ID: 1409D71-021

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Parameter	Result	MCL Limit	Qual. Unit	s Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	BORATORY)	Method: I	EPA-SM4500 CL-G-Rev 1	18th ED, 1992	Analyst: mkl	
Residual Chlorine	0.0300	0.0200	mg/L	. 1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method: 5	SM-4500H-B-Rev 18Ed, 1	992	Analyst: drc	
pH	7.91	1.00	pH uni	ts 1	09/25/2014 4:50 PM	R51875
TOTAL DISSOLVED SOLIDS		Method: \$	6M-2540C-Rev 18Ed, 199	2	Analyst: erw	
Residue, Filterable	374	10.0	mg/L	. 1	09/30/2014 8:25 AM	R51965
TURBIDITY		Method: E	EPA-180.1-Rev 2.0, Aug-1	93	Analyst: jmk	
Turbidity	ND	0.100	NTU	1	09/25/2014 2:32 PM	R51852
Client Sample ID: GBS-11B W	ATER FOUNTA	IN BY RM		Matrix: Di	RINKING WATER	

Lab ID: 1409D71-022

Date Received: 09/25/2014 7:50 AM

Date Received: 09/25/2014 7:50 AM

Collection Date: 09/24/2014 3:00 PM

Report Dilution MCL Limit **Parameter** Result Units Factor Date Analyzed Qual. **Batch ID** COLIFORM, PRESENCE-ABSENCE Method: SM-9223B-PA-Rev 18Ed, 1992 Analyst: maz Total Collform 0 0 CFU/100ml 1 09/25/2014 2:30 PM 24557 E. Coli 0 0 CFU/100ml 09/25/2014 2:30 PM 24557



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

Laboratory Results

Client ID: United Analytical Services

Project Name: GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Workorder: 1409D71

Client Sample ID: GBS-12A WATER FOUNTAIN BY RM

Lab ID: 1409D71-023

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

Report Dilution

Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
CHLORINE, TOTAL RESIDUAL (IN LA	BORATORY)	Method: El	PA-SM4500 CL-G-Rev 18th E	D, 1992	Analyst: mki	
Residual Chlorine	0.0300	0.0200	mg/L	1	09/25/2014 3:00 PM	R51858
PH (IN LABORATORY) <atc></atc>		Method: Si	W-4500H-B-Rev 18Ed, 1992		Analyst: drc	
рН	7.95	1.00	pH units	1	09/25/2014 4:52 PM	R51875
TOTAL DISSOLVED SOLIDS		Method: SI	W-2540C-Rev 18Ed, 1992		Analyst: erw	
Residue, Filterable	320	10.0	mg/L	1	09/30/2014 8:25 AM	R51965
TURBIDITY		Method: Ei	PA-180.1-Rev 2.0, Aug-93		Analyst: jmk	
Turbidity Client Semale ID: CBS 12B W	ND	0.100	NTU	1	09/25/2014 2:32 PM	R51852

Client Sample ID: GBS-12B WATER FOUNTAIN BY RM

Lab ID: 1409D71-024

Date Received: 09/25/2014 7:50 AM

Matrix: DRINKING WATER

Collection Date: 09/24/2014 3:00 PM

		Report		Dilution	1	
Parameter	Result	MCL Limit	Qual. Units	Factor	Date Analyzed	Batch ID
COLIFORM, PRESENCE-ABSENCE		Method	: SM-9223B-PA-Rev 18Ed, 1992	!	Analyst: maz	
Total Coliform	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557
E. Coli	0	0	CFU/100ml	1	09/25/2014 2:30 PM	24557



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

PREP DATES REPORT

Client; Project: United Analytical Services

GBHS-GLENVIEW, IL

Report Date: October 01, 2014

Lab Order: 1409D71

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1409D71-002A	9/24/2014 3:00:00 P	24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-004A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-006A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-008A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-010A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-012A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-014A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-016A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-018A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-020A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-022A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014
1409D71-024A		24557	T_COLI_PR	Total Coliform Prep		9/25/2014

Rpt Ver: RECEPT 10/1/2014 2:08 PM

15 of 19



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

Qualifier Definitions

WO#: 1409D71 Date: 10/1/2014

Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
2	Analyte not in SLI scope of accreditation
Е	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
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits

RD # 74421	ED Page 1 of	8 8 5	Shipping Method	Roporting Lovel (at additional charge) 1 2 3 4	LAB USE ONLY	SU ORDER IN TAGA 71	Sample containers TYes	Temperature of Temper	Samples received the Yes	R Condition Spite LAB#	去			Section 1997							Ø.	W.	CONDITION CODES	2. Inproper proservation	4. Headspacefair bubbles for VOCs	5, Received past holding time	6. Received trozan 7. Laboi conflicts with COC	1.	D les Time	White Original Pink Sampler Cook
CHAIN OF CUSTODY RECORD Free: 800,783,1ABS www.suburbanlabs.com	NALYSE	Enter an "X" in box below for request		יותר יותר יותר) 3 2010 "175	الرفادة المراجعة	solos Sem	17×1	470	<u>+</u>	XXX	>		Y	スペペ	×	メメベ	- X			אאו	*						Dato 4. Reinquished B	Time Roceived By	
CHAIN OF C		"Additional Push Charges Approved.	Coli		1.	D SDWA	[] MWRDGC	*Pleaso specify in comment socion bolow.		PE PRESERVATIVE O.C.	P Name X	P Nathio	2 - Kone Sam X K	P NaTho	P None X	P NaThis	Dane X	P NaThis	D Nors K	मिन्सि दे	Nass K	P Na Tho						3. Refinquished By	Tooling By Drosont	
Fax: 708.544.8587	TURNAROUND TIME REQUESTED	Normal RUSH	Date & Time Needed: 7 E	Normat TAT is specified on the price quotation or tee schedule. Rush work must be pre-expressed and additional charges apply.	Specify Regulatory Program: (Recusined)	□ LUST □ SRP	🗖 503 Studge 📋 NPDES	☐ Disposal ☐ Other	GRAB/ CONTAINERS	COMP. On SIZE & TYPE	0 1 L	1 6 1 100 L	6 1 L	1 100ml	ן יויר		ر و بردر	6 1 lbal	(C 1 L 6	- 6 1 long	6: 1: P	6 1 100 L	of Frame Resons	City 3 E Col. ACAD				MSAL	Elias Time Room	8002/2008
ATORIES, Inc. 62 Tel. 708:544.3260	Edward Inc]. []	51509	630-816-9439 6 Roman	The elections of the bearing		DANTERS		COLLECTION	DATE TIME MATRIX	9 124114 Dad	9 /24/14 DAJ	14 14 Oct	24, M	שליים אייונים	130 m	170°	るこれ	るされ	るかだべ	るでな	MG H1/82/	PRÉPARA PUNTOR CAR OF COC UMPARA REPORT	B. north Tatol Cityan			1, 0	The second second second	11/11	
'SUBURBAN LABORATORIES, 4140 Litt Drive Hillside, IL 60162 Tel. 708	Unsties Amoraca Season Luc	1429 CENTRE CARCAS DR	Down State Good IL		Karkman@vas1con than	13		3	SAMPLE IDENTIFICATION	Use One Line Per Procervation & Container Type*	Science Office Sink of	Science Office Sonk a	8	Science Office Cooler 9	By Sience R. D. Warn G	By Science R. R. Liber 9	By Some P. R. Orn	Service D.R. Ran G	Ry Rm 347	De Ron 347	Mater Tournain 9	H1/h2/ b white was her for	ر بر .		X	ATIVE		Capajin J	HE W WAY	Sulfmission of safraples subject to Terms and Conditions on back
		pany Address		Anone 686-816-	Email Address Kor Kmc	Project 1D / Location 65 6 HS	Project Manager (Report to)	Sample Collector(s) Name STEATEN BYBAK	SAMPLEIDE	81	1 # (BB- 1a	2 0 GRB-11		4 = 635 - 25 3	5 ×635-39	6 + CBS-3h	7 * GBS . 49	8 = 685 - 4b	9 6 685.59	10 - 665 - 513	1112625-69	12 to 635 - 65	Waste Weter (WW), Surface Witner (SW),	Ground Water (GW), Solid Wasto (WA), Studgo (U), Wipe (P) CONTAINER, 202.	402, 802, 40ml Vial, 500ml, Litter (L), Tube	Glass (G), Plastic (P) PRESERVATIVE: H.SO., HCI HND. Montand (McCH)	NaOH, Sodium Bisuitato (NaB), NaThio	K Rettroutshod By		Supplies of samples s

CHAIN OF CUSTODY RECORD # 74023	ANALYSIS & METHOD REQUESTED Page 2 of 2.	Enter an X' in box below for request		Reporting Local (st. 7.3.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	LAB USE ONLY	E COLOR	Sample containes	Temperature of	Samples received the Samples received the Yes	R Condition Sota LAB#		×	×	; ;	×	<i>λ</i>	, , , , , , , , , , , , , , , , , , ,		X	×	X	X	CONDITION CODES 1. Propropordamento containaries 1. Propresento contain	2. Improper preservation	1. Insufficient sample votame	5. Roceived past holding time	6. Roccived frozen	4. Relenquistred By Date	Received By
CHAIN OF CUS	-		t Jokel Olovisom	fon or fee schedule.	T.	Sowa South	II MWRDGC	Please spediy in comment section below.	H _C	PRESERVATIVE TO	Nove XXXX	Nathio	Nove XXX	Na.Th.o	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	1 7 1	メストージの	Nathio	X X X X X X X X X X X X X X X X X X X	Nathio	X X			,	-			od By Date	Time
Fax: 708.544.8587 To	NAROUND TIME R	Normal RUSH* *	Tate & Time Needed: > E.C.	Normai TAT is specified on the price quetasion or fee schedule. Rush work must be pro-approved and additional charges apply.	Specify Regulatory Program: Recuired)	Sm	🔲 503 Studge 📋 NPDES	☐ Disposal ☐ Other Press	GRAB/ CONTAINERS	COMP. On SIZE & TYPE	6 1 L P	G 1 100mLP	6 1 L P.	G 1 100ml.P	6 1 L P.	Se Laroant P	6 1 P	4 140 01 1 9	6 1 P	6 1 100ml P	d 7 1 9	6 1, 1000L P	tooned town /"	West Property of	XM3 & Col. ASH			THE HAMY 3 Resinquished By	Tice Wine 750 Received By
RATORIES, Inc. 0162 Tel. 708.544.3260			# Patrify	T. February	Final Report				COLLECTION	DATE THATE MATRIX	9 1241 H	क /या भा	क त्याम च्या	9. Ayriy Dw	7 /24/14 DW	9. /24/14 100 DW	কু দা দি ১	ল প্রধান	4 124/14 DW	9 124/14 DW	ma 121/12/ 4	MQ M/hZ/ 4	Pierra Denito Con AF Co (1) Ein Beroch	ייייייי הלא הייייייייייייייייייייייייייי	Report total Conformat Coli ASAP		1, 9	-	Roadfood By /
SUBURBAN LABORATORIES, Inc. 19140 Litt Drive Hillside, IL 60162 161. 708.544.33	United And whice Services Inc.	1429 Centre Cicle Drive	Downers Grove	F	the	Proper ID Location From Education IL	Project Managor (Reports) Thed Davids	ample Collector(s) Name Streomer) Rubalt	SAMPLE IDENTIFICATION	"Use One Line Per P	GBS-7a Math Office Sink	GBS-715. Moth Office Sink	Math Office Cooler	GBS-Rb Math Office Goder	Ί	GBS-AB The Row HUNG	GBS-10a womens water toward	8 GBS-10h Workers were recovered	By Ra 455	Water Fourthann By I'm 4SS		12 G8S-12b 3y 2m 457	. 4 3	Studge (U), Whoo (P), CONTAINER: 277.	t Rass	Glass (G), Plassic (P) PRESERVATIVES HSO., HCL HNO. Mathema Autorit	NaCH, Sodium Elsutions (NaB), NaThio	1. Rollinguished By Feet Co. Date 9 Z. L. 14	Ill Sho



1429 Centre Circle Drive Downers Grove, IL 60515 Phone: (630) 691-8271 Fax: (630) 691-1819

E-Mail: uasinc@uas1.com

April 28, 2016

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

UAS Project #1699193-01

Attn: Ms. Kim Ptak, Director of Facilities

Re:

Professional Industrial Hygiene Services - Drinking Water Sampling & Analyses (Lead & Copper)

Northfield Township High School District #225

Glenbrook South High School - Representative Locations

4000 West Lake, Glenview, Illinois 60025

April 15, 2016

Dear Ms. Ptak:

United Analytical Services, Inc. (UAS) prepared this executive summary of findings for drinking water sampling performed for Northfield Township High School District #225 at Glenbrook South High School on April 15, 2016. The current testing involved sampling/monitoring for Lead (Pb) and Copper (Cu), first draw samples, at sixteen (16) representative locations throughout the school building. All sampling was performed under the direct supervision of a Certified Industrial Hygienist (CIH).

The test results were compared to US Environmental Protection Agency (EPA) Primary Standard for Lead (PB) and Secondary Standard for Copper (Cu). The Maximum Contaminant Level (MCL) target levels for Pb and Cu are <15 ug/L and <1,300 ug/L, respectively. Review of the test results indicate that all sixteen (16) of the representative water samples collected were determined to be below the MCL target levels. For example, the reported concentrations for the current sampling noted that all sixteen (16) Pb levels were None Detected (<5.0 ug Lead/L) and the reported concentrations for Cu ranged from None Detected (<100 ug Copper/L) to 320 ug/L. These results are a strong indicator that Pb and Cu in the drinking water at Glenbrook South High School were at the lower end of the recommended Primary and Secondary MCL target levels.

Thank you for the continued opportunity to be of service to Northfield Township High School District #225. If you have any questions regarding this information, please do not hesitate to contact our office.

Sincerely,

UNITED ANALYTICAL SERVICES, INC.

Thad Daniels

Director of Field Services

cc: Kevin E. Aikman, Ph.D., CIH, FAIHA

S:\TD\IHReports\SD225.GlenbrookDouthHighSchool.\Water Testing.Report.1699193-01



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

April 20, 2016

Thad Daniels
United Analytical Services
1429 Centre Circle Drive
Downers Grove, IL 60515

TEL: (630) 691-8271

FAX: (630) 691-1819

RE: SD #225 Glenbrook South HS

Dear Thad Daniels:

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.

Work Order: 1604A97

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,

There layer

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

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

Case Narrative

Client: UNITED_ANALY_DW
Project: SD #225 Glenbrook South HS

Date: April 20, 2016 **PO:** 1699193-01

WorkOrder: 1604A97

QC Level: LEVEL I

Temperature of samples upon receipt at lab: 4 C

Chain of Custody: EV

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 water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

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:

1604A97-001A - 016A was preserved in the lab.



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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook South HS

Report Date: April 20, 2016

Workorder: 1604A97

Client Sample ID: #GBS-01 Kitchen Food Prep Sink

Matrix: Drinking Water

Lab ID: 1604A97-001

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 4:25 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94			-	Analyst: jmk	
Copper Lead	232 ND	1,300 15.0	100 5.00		μg/L μg/L	1	4/19/2016 3:43 AM 4/19/2016 3:43 AM	

Client Sample ID: #GBS-02 Cafeteria DWF

Matrix: Drinking Water

Lab ID: 1604A97-002

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 4:30 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	194				Analyst: jmk	
Copper	225	1,300	100		μg/L	1	4/19/2016 3:46 AM	35657
Load	ND	15.0	5.00		μ g/ L	1	4/19/2016 3:46 AM	35657

Client Sample ID: #GBS-03 Faculty Cafeteria Sink

Matrix: Drinking Water

Lab ID: 1604A97-003

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 4:35 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5,4, 1	994				Analyst: jmk	- 4
Copper	258	1,300	100)	μg/L	1	4/19/2016 3:49 AN	4 35657
Lcad	ND	15.0	5.00	1	μg/L	1	4/19/2016 3:49 AN	4 35657

Client Sample ID: #GBS-04 Nurse's Sink

Matrix: Drinking Water

Lab ID: 1604A97-004

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 4:45 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	ND	1,300	100	1	μg/L	1	4/19/2016 3:52 AM	35657

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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook South HS

Report Date: April 20, 2016

Workorder: 1604A97

Client Sample ID: #GBS-04 Nurse's Sink

orkorder: 1004A9/

Lab ID: 1604A97-004

Date Received: 4/15/2016 10:25 AM

Matrix: Drinking Water
Collection Date: 4/15/2016 4:45 AM

Report **Parameter** Result MCL Qual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 4/19/2016 3:52 AM 35657

Client Sample ID: #GBS-05 Titan Tots DWF

Matrix: Drinking Water

Lab ID: 1604A97-005

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 4:55 AM

Report **Parameter** Result MCL Units Qual DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk Copper 320 1,300 100 μg/L 4/19/2016 3:54 AM 35657 Lead ND 15.0 5.00 μg/L 4/19/2016 3:54 AM 35657

Client Sample ID: #GBS-06 Guidance Staff Lounge

Sink

Lab ID: 1604A97-006

Date Received: 4/15/2016 10:25 AM

Matrix: Drinking Water

Collection Date: 4/15/2016 5:05 AM

Report **Parameter** Result MCL Limit Qual Units DF Date Analyzed BatchID METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk Copper 269 1,300 100 μg/L 1 4/19/2016 3:57 AM 35657 Lead ND 15,0 5,00 μg/L 4/19/2016 3:57 AM 35657

Client Sample ID: #GBS-07 2nd Floor 400 Hall DWF

Matrix: Drinking Water

Lab ID: 1604A97-007

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 5:15 AM

Report Parameter Result MCL Qual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk Copper ND 1,300 100 4/19/2016 4:12 AM μg/L 35657 Lead ND 15.0 μg/L 5.00 4/19/2016 4:12 AM 35657

Client Sample ID: #GBS-08 1st Floor 300 Hall DWF

Matrix: Drinking Water

Lab ID: 1604A97-008

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 5:25 AM

Parameter	Result	Report MCL Limit	Qual Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-20	00.8-5.4, 1994			Analyst; jmk	
Соррег	ND :	1,300 100	0 μg/L	1	4/19/2016 4:15 AM	f 35657
Lead	ND	15.0 5.00) μg/L	1	4/19/2016 4:15 AM	1 35657

Client Sample 1D: #GBS-09 2nd Floor 200 Hall DWF

Matrix: Drinking Water

Lab 1D: 1604A97-009

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 5:35 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19) 94				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	4/19/2016 4:18 AM	1 35657
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 4:18 AM	1 35657

Client Sample ID: #GBS-10 Foods Lab Prep Sink

Matrix: Drinking Water

Lab ID: 1604A97-010

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 5:45 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 1	994				Analyst: jmk	
Copper	138	1,300	100)	μg/L	I	4/19/2016 4:21 AM	35657
Lead	ND	15.0	5.00)	μg/L	1	4/19/2016 4:21 AM	35657

Client Sample ID: #GBS-11 Auditorium Bathroom

Sink

Lab ID: 1604A97-011

Date Received: 4/15/2016 10:25 AM

Matrix: Drinking Water

Collection Date: 4/15/2016 5:50 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 1	994				Analyst: jmk	
Copper	214	1,300	100		μg/L	1	4/19/2016 4:23 AM	35657
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 4:23 AM	35657



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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook South HS

Report Date: April 20, 2016

Workorder: 1604A97

Client Sample ID: #GBS-12 Contest Gymnasium DWF

Matrix: Drinking Water

Lab ID: 1604A97-012

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 5:55 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 1	994				Analyst: jmk	
Copper	232	1,300	100		μg/L	1	4/19/2016 4:26 AM	4 35657
Lead	ND	15,0	5.00		μg/L	1	4/19/2016 4:26 AM	35657

Client Sample ID: #GBS-13 Girl's Locker Room DWF

Matrix: Drinking Water

Lab ID: 1604A97-013

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:00 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	168	1,300	100		μg/L	1	4/19/2016 4:29 AM	1 35657
Lead	ND	15.0	5.00		μ g /L	1	4/19/2016 4:29 AM	35657

Client Sample ID: #GBS-14 Concessions SInk

Matrix: Drinking Water

Lab ID: 1604A97-014

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:05 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	994				Analyst: jmk	
Copper	247	1,300	100		μg/Ĺ	1	4/19/2016 4:32 AM	35657
Lead	ND	15.0	5.00		μ g /L	1	4/19/2016 4:32 AM	35657

Client Sample ID: #GBS-15 West Gym Hallway DWF

Matrix: Drinking Water

Lab ID: 1604A97-015

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:10 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	194			<u>, </u>	Analyst: jmk	
Copper	151	1,300	100	ס	μg/L	I	4/19/2016 4:46 AM	35657



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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook South HS

Report Date: April 20, 2016

Workorder: 1604A97

Client Sample ID: #GBS-15 West Gym Hallway DWF

Matrix: Drinking Water

Lab ID: 1604A97-015

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:10 AM

Report DF Date Analyzed BatchID Units **Parameter** Result MCL Qual Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 4/19/2016 4:46 AM 35657

Client Sample ID: #GBS-16 Maint. Staff Lounge Sink

Matrix: Drinking Water

Lab ID: 1604A97-016

Date Received: 4/15/2016 10:25 AM

Collection Date: 4/15/2016 6:15 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	994				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	4/19/2016 4:49 AM	ı 35657
Lead	ND	15.0	5.00		μ g/L	1	4/19/2016 4:49 AM	35657



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

Prep Dates

Report Date: April 20, 2016 Original

Workorder: 1604A97

Client: United Analytical Services

Project: SD #225 Glenbrook South HS

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1604A97-001A	#GBS-01 Kitchen Food Prep Sink	4/15/2016 4:25 AM		
·		• • • • • • • • • • • • • • • • • • • •	35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-002A	#GBS-02 Cafeteria DWF	4/15/2016 4:30 AM	35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-003A	#GBS-03 Faculty Cafeteria Sink	4/15/2016 4:35 AM	Turbidity Check	7102010 12.021 14
10011157 00571	"ODO-03 Tabany Carotona Bilik	41512010 4.55 7211	35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-004A	#GBS-04 Nurse's Sink	4/15/2016 4:45 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-005A	#GBS-05 Titan Tots DWF	4/15/2016 4:55 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-006A	#GBS-06 Guidance Staff Lounge Sink	4/15/2016 5:05 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-007A	#GBS-07 2nd Floor 400 Hall DWF	4/15/2016 5:15 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-008A	#GBS-08 1st Floor 300 Hall DWF	4/15/2016 5:25 AM		
700			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-009A	#GBS-09 2nd Floor 200 Hall DWF	4/15/2016 5:35 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-010A	#GBS-10 Foods Lab Prep Sink	4/15/2016 5:45 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-011A	#GBS-11 Auditorium Bathroom Sink	4/15/2016 5:50 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-012A	#GBS-12 Contest Gymnasium DWF	4/15/2016 5:55 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-013A	#GBS-13 Girl's Locker Room DWF	4/15/2016 6:00 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-014A	#GBS-14 Concessions SInk	4/15/2016 6:05 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
604A97-015A	#GBS-15 West Gym Hallway DWF	4/15/2016 6:10 AM		
			35657 Turbidity Check	4/18/2016 12:02 PM
1604A97-016A	#GBS-16 Maint. Staff Lounge Sink	4/15/2016 6:15 AM		
	4-441		35657 Turbidity Check	4/18/2016 12:02 PM



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

Qualifier Definitions

Report Date: April 20, 2016

WorkOrder: 1604A97

Qualifiers:

*	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
С	Analyte not in SLI scope of accreditation
C	Value is below Minimum Concentration Limit
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 compound
ND	Not Detected at the Reporting Limit
P	Present
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

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Page II of II ပ္ Please fill out this form completely, print, sign & subrait with samples. Keep a copy for your records #BY Electronic Version 34 JORGENIO 160449 LAB USE ONLY. . Headspace/air bubbles for VOCs . Improperatemaged containentage CONDITION CODES Hand 5. Received past holding time 1699193-01 3. Insufficient sample volume R. Condition Spir 7. Label conflicts with COC Samples received within 24 hours of collection? supplied by customer? 2. Improper preservation Received Samples ฮ Гептрегацие об . Received frozen Method Method QC Reporting Level Page CHAIN OF CUSTODY RECORD # ANALYSIS & METHOD REQUESTED Enter an "X" in box below for request www.suburbanlabs.com actived By <u>ਵਿੱਚ</u> Copper × × × Toll Free: 800.783.LABS pear × None/Info on MWRDGO PRESERVATIVE Vormal TAT is 5-7 work days for most work. Rush work must be pro Tlease specify in commen Othelicino below. SDWA Please provide copy of COC with Final Report. None None None None RUSH Charges Approved. TURNAROUND TIME REQUESTED approved and additional charges apply. eceived By NPDES SIZE & TYPE CONTAINERS SRP Specify Regulatory Program: (Required) 5L P 7 JS. 51 片 503 Studg 708.544.3260 Date & Time Needed; Disposal Normal ð C PS3 GRAB GRAB GRAB GRAB GRAB COMP. Rev. 7/20/08 区 न MATRIX βΩ DW DW MO Fax Report SUBURBAN LABORATORIES, Inc. COMMENTS & SPECIAL INSTRUCTIONS: 6:05 AM 6:10 AM 6:00 AM 6:15 A.M. **JAKE** COLLECTION 1950 S. Batavia Ave., Ste. 150, Geneva, IL 60134 60515 Submission of samples subject to Terms and Conditions on back. 4/15/16 4/15/16 4/15/16 4/15/16 DATE R SD #225 Glenbrook South HS United Analytical Services, Inc. 1025 1025 ㅂ 1429 Centre Circle Drive "Use One Line Per Preservation & Container Type ă #GBS-13 Girl's Locker Room DWF #GBS-15 West Gym Hallway DWF #GBS-16 Maint. Staff Lounge Sink Thad Daniels SAMPLE IDENTIFICATION tdaniels@uas1.com #GBS-14 Concessions Sink Thad Daniels oz, 8oz, 40ml Vial, 500ml, Liber (L), Tube, MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW). Studge (U). Wipe (P) CONTAINER: 20x Blass (G), Plastic (P) PRESERVATIVE: Ground Water (GW), Solid Waste (WA), aOH, Sodtum Bisuttate (NaB), NaThio 2504. HCt, HNO3, Methamol (MeOH) 630-816-9439 Downers Grove roject Manager (Report to) oject 1D / Location mple Collector(s) Sompany Address 2 4O ø ∞ O 5 F



INVOICE

INVOICE No:

16192-01F

DATE:

April 30, 2016

PROJECT No:

1699192-01

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

Attn: Ms. Kim Ptak, Director of Facilities

Professional Industrial Hygiene Services - Drinking Water Sampling/Analyses (Pb & Cu) Re:

Northfield Township High School District #225

Glenbrook North High School - Representative Locations

2300 Shermer Road, Northbrook, Illinois 60062

April 18, 2016

Final Invoice for Industrial Hygiene Professional & Analytical Services for the above referenced project. The project was performed at your request on April 18, 2016, with the project results and report previously reported. All fees are based on our 2016 signed proposal/agreement with S.D. #225 and your authorization to proceed.

UAS, Inc. PROFESSIONAL and ANALYTICAL SERVICES

5.0	Hours Senior IH Preparation, Coordination, Sample Collection & Rep	orting	
	@ \$125/hour	\$	625.00
0.5	Hours CIH Data Review and Reporting @ \$175/hour	\$	87.50
0.75	Hours Lab Transport/Delivery @ \$45/hour	\$	33.75
23.0	Laboratory Analysis for Pb & Cu in Water @ \$30.00 each	\$	690.00
TOTA	AL AMOUNT DUE THIS INVOICE	\$	1,436.50

Thank you for the opportunity to be of service to Northfield Township High School District #225.

PAYMENT DUE WITHIN 30 DAYS BEYOND 30 DAYS INTEREST WILL BE CHARGED AT 1.5% PER MONTH



INVOICE

INVOICE No:

16193-01F

DATE:

April 30, 2016

PROJECT No:

1699193-01

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

Attn: Ms. Kim Ptak, Director of Facilities

Re:

Professional Industrial Hygiene Services - Drinking Water Sampling/Analyses (Pb & Cu)

Northfield Township High School District #225

Glenbrook South High School - Representative Locations

4000 West Lake, Glenview, Illinois 60025

April 15, 2016

Final Invoice for Industrial Hygiene Professional & Analytical Services for the above referenced project. The project was performed at your request on April 15, 2016, with the project results and report previously reported. All fees are based on our 2016 signed proposal/agreement with S.D. #225 and your authorization to proceed.

UAS, Inc. PROFESSIONAL and ANALYTICAL SERVICES

4.5	Hours Senior IH Preparation, Coordination, Sample Collection & 1	Reporting	
	@ \$125/hour	\$	562.50
0.5	Hours CIH Data Review and Reporting @ \$175/hour	\$	87.50
0.75	Hours Lab Transport/Delivery @ \$45/hour	\$	33.75
16.0	Laboratory Analysis for Pb & Cu in Water @ \$30.00 each	<u>\$</u>	480.00
TOT	AL AMOUNT DUE THIS INVOICE	\$	1.163.75

Thank you for the opportunity to be of service to Northfield Township High School District #225.

PAYMENT DUE WITHIN 30 DAYS BEYOND 30 DAYS INTEREST WILL BE CHARGED AT 1.5% PER MONTH



INVOICE

INVOICE No:

16194-01F

DATE:

April 30, 2016

PROJECT No:

1699194-01

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

Attn: Ms. Kim Ptak, Director of Facilities

Re: Professional Industrial Hygiene Services - Drinking Water Sampling/Analyses (Pb & Cu)

Northfield Township High School District #225 Off Campus Building - Representative Locations 1835 Landwehr Road, Glenview, Illinois 60025

April 15, 2016

Final Invoice for Industrial Hygiene Professional & Analytical Services for the above referenced project. The project was performed at your request on April 15, 2016, with the project results and report previously reported. All fees are based on our 2016 signed proposal/agreement with S.D. #225 and your authorization to proceed.

UAS, Inc. PROFESSIONAL and ANALYTICAL SERVICES

2.25	Hours Senior IH Preparation, Coordination, Sample Collection &	Reporting	
	@ \$125/hour	\$	281.25
0.5	Hours CIH Data Review and Reporting @ \$175/hour	\$	87.50
0.75	Hours Lab Transport/Delivery @ \$45/hour	\$	33.75
7.0	Laboratory Analysis for Pb & Cu in Water @ \$30.00 each	\$	210.00
тот	AL AMOUNT DUE THIS INVOICE	\$	612 50

Thank you for the opportunity to be of service to Northfield Township High School District #225.

PAYMENT DUE WITHIN 30 DAYS BEYOND 30 DAYS INTEREST WILL BE CHARGED AT 1.5% PER MONTH



INVOICE

INVOICE No:

16191-01F

DATE:

April 30, 2016

PROJECT No:

1699191-01

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

Attn: Ms. Kim Ptak, Director of Facilities

D. D. C. III I CHILD

Professional Industrial Hygiene Services - Drinking Water Sampling/Analyses (Pb & Cu)

Northfield Township High School District #225

S.D. #225 Administration Building

3801 West Lake, Glenview, Illinois 60025

April 18, 2016

Final Invoice for Industrial Hygiene Professional & Analytical Services for the above referenced project. The project was performed at your request on April 18, 2016, with the project results and report previously reported. All fees are based on our 2016 signed proposal/agreement with S.D. #225 and your authorization to proceed.

UAS, Inc. PROFESSIONAL and ANALYTICAL SERVICES

TOTA	L AMOUNT DUE THIS INVOICE	\$	582.50
6.0	Laboratory Analysis for Pb & Cu in Water @ \$30.00 each	\$	180.00
0.75	Hours Lab Transport/Delivery @ \$45/hour	\$	33.75
0.5	Hours CIH Data Review and Reporting @ \$175/hour	\$	87.50
	@ \$125/hour	\$	281.25
2.25	Hours Senior IH Preparation, Coordination, Sample Collection & 1	Reporting	

Thank you for the opportunity to be of service to Northfield Township High School District #225.

PAYMENT DUE WITHIN 30 DAYS BEYOND 30 DAYS INTEREST WILL BE CHARGED AT 1.5% PER MONTH



April 28, 2016

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

UAS Project #1699191-01

Attn: Ms. Kim Ptak, Director of Facilities

Re:

Professional Industrial Hygiene Services - Drinking Water Sampling & Analyses (Lead & Copper)

Northfield Township High School District #225

S.D. #225 Administration Building

3801 West Lake, Glenview, Illinois 60025

April 18, 2016

Dear Ms. Ptak:

United Analytical Services, Inc. (UAS) prepared this executive summary of findings for drinking water sampling performed for Northfield Township High School District #225 at The Northfield Township High School District #225 Administration Building on April 18, 2016. The current testing involved sampling/monitoring for Lead (Pb) and Copper (Cu), first draw samples, at six (6) representative locations throughout the school facility. All sampling was performed under the direct supervision of a Certified Industrial Hygienist (CIH).

The test results were compared to US Environmental Protection Agency (EPA) Primary Standard for Lead (PB) and Secondary Standard for Copper (Cu). The Maximum Contaminant Level (MCL) target levels for Pb and Cu are <15 ug/L and <1,300 ug/L, respectively. Review of the test results indicate that all six (6) of the representative water samples collected were determined to be below the MCL target levels. For example, the reported concentrations for the current sampling noted that all six (6) Pb levels were None Detected (<5.0 ug Lead/L) and the reported concentrations for Cu ranged from None Detected (<100 ug Copper/L) to 578 ug/L. These results are a strong indicator that Pb and Cu in the drinking water at The Northfield Township High School District #225 Administration Building were at the lower end of the recommended Primary and Secondary MCL target levels.

Thank you for the continued opportunity to be of service to Northfield Township High School District #225. If you have any questions regarding this information, please do not hesitate to contact our office.

Sincerely,

UNITED ANALYTICAL SERVICES, INC.

Thad Daniels

Director of Field Services

cc: Kevin E. Aikman, Ph.D., CIH, FAIHA

S:\TD\IHReports\SD225.Admin Building\Water Testing, Report. 1699191-01



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

April 20, 2016

Thad Daniels
United Analytical Services
1429 Centre Circle Drive
Downers Grove, IL 60515

Work Order: 1604B91

TEL: (630) 691-8271 FAX: (630) 691-1819

RE: SD #225 Administration Bldg

Dear Thad Daniels:

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

Rome Royer

Customer Service Manager

708-544-3260 ext, 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

Case Narrative

Client: UNITED_ANALY_DW

Project: SD #225 Administration Bldg

PO: 1699191-01

Date: April 20, 2016

QC Level: LEVEL I

Temperature of samples upon receipt at lab: 0 C

Chain of Custody: EV

General Comments:

WorkOrder: 1604B91

- 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 water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

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:

1604B91-001A - 006A was preserved in the lab.



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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Administration Bldg

Report Date: April 20, 2016

Workorder: 1604B91

Client Sample ID: #DO-01 1st Flr Staff Kitchen Sink

West

Lab ID: 1604B91-001

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 6:35 AM

Parameter	Result	MCL	Report Limit	Qual Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EP∧	-200.8-5.4, 19	94			Analyst: jmk	
Copper	551	1,300	100	μ g/ L	= =1	4/19/2016 11:39 AM	35680
Lead	ND	15.0	5.00	μg/L	1	4/19/2016 11:39 AM	35680

Client Sample ID: #DO-02 1st Flr DWF

Matrix: Drinking Water

Lab ID: 1604B91-002

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:40 AM

Parameter	Result MCL	Report Limit Qual	Units	DF	Date Analyzed	BatchID		
METALS by ICPMS	Method: EPA-200.8-5.4, I	Method: EPA-200.8-5.4, 1994						
Соррег	578 1,300	100	μg/L	1	4/19/2016 11:42 AM	35680		
Lead	ND 15.0	5.00	μg/L	- 1	4/19/2016 11:42 AM	35680		

Client Sample ID: #DO-03 2nd Fir Staff Kitchen Sink

East

Lab ID: 1604B91-003

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 6:45 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	Method: EPA-200.8-5.4, 1994					Analyst; jmk	
Соррег	ND	1,300	100)	μg/L	1	4/19/2016 11:45 AN	4 35680
Lead	ND	15.0	5,0)	μg/L	1	4/19/2016 11:45 AN	4 35680



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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Administration Bldg

Report Date: April 20, 2016

Workorder: 1604B91

Client Sample ID: #DO-04 2nd Flr DWF

Matrix: Drinking Water

Lab ID: 1604B91-004

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:50 AM

Parameter	Result A	Report ICL Limit	Qual Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-20	0.8-5.4, 1994			Analyst: jmk	
Copper	298 1	,300 100	μg/Ľ	1	4/19/2016 11:48 AN	A 35680
Lead	ND 1	5.0 5.00	μg/L	1	4/19/2016 11:48 AN	A 35680

Client Sample ID: #DO-05 3rd Flr Staff Kitchen Sink

West
Lab ID: 1604B91-005

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 6:55 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	220	1,300	100		μg/L	1	4/19/2016 12:05 PM	1 35680
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 12:05 PM	35680

Client Sample ID: #DO-06 3rd Flr DWF

Matrix: Drinking Water

Lab ID: 1604B91-006

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 7:00 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 1	994				Analyst: jmk	
Copper	ND	1,300	100)	μg/L	1	4/19/2016 12:11 PM	35680
Lead	ND	15.0	5.00)	μg/L	1	4/19/2016 12:11 PM	35680



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

Prep Dates

Report Date: April 20, 2016

Original

Workorder: 1604B91

Client: United Analytical Services

Project: SD #225 Administration Bldg

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1604B91-001A	#DO-01 1st Fir Staff Kitchen Sink West	4/18/2016 6:35 AM		
			35680 Turbidity Check	4/19/2016 9:40 AM
1604B91-002A	#DO-02 1st Fir DWF	4/18/2016 6:40 AM		
			35680 Turbidity Check	4/19/2016 9:40 AM
1604B91-003A	#DO-03 2nd Fir Staff Kitchen Sink East	4/18/2016 6:45 AM		
			35680 Turbidity Check	4/19/2016 9:40 AM
1604B91-004A	#DO-04 2nd Fir DWF	4/18/2016 6:50 AM		
			35680 Turbidity Check	4/19/2016 9:40 AM
1604B91-005A	#DO-05 3rd Fir Staff Kitchen Sink West	4/18/2016 6:55 AM		
			35680 Turbidity Check	4/19/2016 9:40 AM
1604B91-006A	#DO-06 3rd Fir DWF	4/18/2016 7:00 AM		
			35680 Turbidity Check	4/19/2016 9:40 AM



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

Qualifier Definitions

Report Date: April 20, 2016

WorkOrder: 1604B91

Qualifiers:

*	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
С	Analyte not in SLI scope of accreditation
C	Value is below Minimum Concentration Limit
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 compound
ND	Not Detected at the Reporting Limit
P	Present
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

10 व्यव्य Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records ပ **LAB**# Electronic Version 3 1 7 LAB USE ONLY ١ 4. Headspacedair bubbles for VOCs Impropeddamaged container/cap CONDITION CODES Hand 1699191-01 5. Received past holding time i. Insufficient sample volume Condition See Label conflicts with COC Tamperature of
Received Samples
Samples roceived within
24 frours of collection? 2. Improper preservation supplied by customer QC Reporting SLI Ordes No. ţ B. Received frazon hipping Method Page S S S CHAIN OF CUSTODY RECORD # ANALYSIS & METHOD REQUESTED www.suburbanlabs.com Enter an "X" in box below for request 100 Copper × × × × × Toll Free: 800.783.LABS peər) × None/Info on MWRDGC PRESERVATIVE Normal TAT is 5-7 work days for most work. Rush work must be pro approved and additional charges apply. *Please specify in commen Otherical below. SDWA Please provide copy of COC with Final Report, None None None None None RUSH Charges Approved. TURNAROUND TIME REQUESTED D NPO ES SIZE & TYPE 8 CONTAINERS Д ρı Д Specify Regulatory Program: (Regulated) A Д д 님 出 井 ㅂ Ή 님 708.544.3260 503 Sludge Date & Time Needed: Normal Disposal ð EST EST GRAB GRAB GRAB GRAB GRAB GRAB COMP. GRAB E e Rev. 7/20/08 ᄚ X MATRIX D₩ DΨ D₩ MΩ ₽ DΦ Pax Report SUBURBAN LABORATORIES, Inc. COMMENTS & SPECIAL INSTRUCTIONS: 6:40 AM 6:45 AM 6:50 AM 6:55 AM 7:00 AM 6:35 AM TOME COLLECTION 1950 S. Batavia Ave., Ste. 150, Geneva, IL 60134 60515 Submission of samples subject to Terms and Conditions on back. 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 DATE SD #225 Administration Building United Analytical Services, Inc. 00321 m 耳 #DO-05 3rd Floor Staff Kitchen Sink West #DO-01 1st Floor Staff Kitchen Sink West #DO-03 2nd Floor Staff Kitchen Sink East 1429 Centre Circle Drive "Use One Line Per Preservation & Container Type Ş Thad Daniels SAMPLE IDENTIFICATION tdaniels@uas1.com Ø. Thad Daniels 02, 802, 40ml Viai, 500ml, Liter (L.), Tulbo. facte Water (WW), Surface Water(SW), udge (U), Wipo (P) CONTAINER 202. MATRIX: Drinking Water (DW), Soil (S), round Water (GW), Solid Wasto (WA), bass (G), Plostic (P) PRESERVATIVE #DO-04 2nd Floor DWF #DO-06 3rd Floor DWF aOH, Sodium Bisufate (NaB), NaThio #DO-02 1st Floor DWF 2804. HCl. HNCs. Methanol (MeCH) 630-816-9439 Downers Grove 8 roject Manager (Report to) roject 10 / Location umple Collector(s) ompany Address mail Address B ųς ဖ 5 7 S Ø Ø



April 28, 2016

Board of Education Northfield Township High School District #225 3801 West Lake Avenue Glenview, Illinois 60026

UAS Project #1699192-01

Attn: Ms. Kim Ptak, Director of Facilities

Re:

Professional Industrial Hygiene Services - Drinking Water Sampling & Analyses (Lead & Copper)

Northfield Township High School District #225

Glenbrook North High School - Representative Locations

2300 Shermer Road, Northbrook, Illinois 60062

April 18, 2016

Dear Ms. Ptak:

United Analytical Services, Inc. (UAS) prepared this executive summary of findings for drinking water sampling performed for Northfield Township High School District #225 at Glenbrook North High School on April 18, 2016. The current testing involved sampling/monitoring for Lead (Pb) and Copper (Cu), first draw samples, at twenty-three (23) representative locations throughout the school building. All sampling was performed under the direct supervision of a Certified Industrial Hygienist (CIH).

The test results were compared to US Environmental Protection Agency (EPA) Primary Standard for Lead (PB) and Secondary Standard for Copper (Cu). The Maximum Contaminant Level (MCL) target levels for Pb and Cu are <15 ug/L and <1,300 ug/L, respectively. Review of the test results indicate that all twenty-three (23) of the representative water samples collected were determined to be below the MCL target levels. For example, the reported concentrations for the current sampling noted that the twenty-three (23) Pb levels ranged from None Detected (<5.0 ug Lead/L) to 5.35 ug/L and the reported concentrations for Cu ranged from None Detected (<100 ug Copper/L) to 719 ug/L. These results are a strong indicator that Pb and Cu in the drinking water at Glenbrook North High School were at the lower end of the recommended Primary and Secondary MCL target levels.

Thank you for the continued opportunity to be of service to Northfield Township High School District #225. If you have any questions regarding this information, please do not hesitate to contact our office.

Sincerely,

UNITED ANALYTICAL SERVICES, INC.

Thad Daniels

Director of Field Services

cc: Kevin E. Aikman, Ph.D., CIH, FAIHA

S:\TD\IHReports\SD225.GlenbrookNorthHighSchool.\Water Testing.Report,1699192-01



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

April 20, 2016

Thad Daniels
United Analytical Services
1429 Centre Circle Drive
Downers Grove, IL 60515

TEL: (630) 691-8271 FAX: (630) 691-1819

RE: SD #225 Glenbrook North

Dear Thad Daniels:

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.

Work Order: 1604B97

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

Run Roya

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

Case Narrative

Client: UNITED_ANALY_DW
Project: SD #225 Glenbrook North

Date: April 20, 2016 PO: 1699192-01

WorkOrder: 1604B97

QC Level: LEVEL I

Temperature of samples upon receipt at lab: 0 C

Chain of Custody: EV

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 water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

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:

1604B97-001A - 023A was preserved in the lab.



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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook North

Report Date: April 20, 2016

Workorder: 1604B97

Client Sample ID: #GBN-01 Kitchen Food Prep Sink

Matrix: Drinking Water

Lab ID: 1604B97-001

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 4:30 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-	200.8-5.4, 19	94				Analyst: jmk	
Copper	185	1,300	100		μg/L	_1	4/19/2016 12:14 PM	35680
Lead	ND	15.0	5.00		μg/L	1011	4/19/2016 12:14 PM	35680

Client Sample ID: #GBN-02 Cafeteria Serving Line

Sink

Lab ID: 1604B97-002

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 4:35 AM

Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, i	994				Anelyst: jmk	
Copper	147	1,300	100		μ g/ Ľ	1	4/19/2016 12:17 PM	35680
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 12:17 PM	35680

Client Sample ID: #GBN-03 C105 Pre-School DWF

Lab ID: 1604B97-003 Date Receiv

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water
Collection Date: 4/18/2016 4:40 AM

Report Parameter Result MCL Qual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk 100 4/19/2016 12:19 PM 35680 Copper ND 1,300 µg/L

5.00

15.0

Client Sample ID: #GBN-04 C106 Food Prep Sink

Matrix: Drinking Water

4/19/2016 12:19 PM

35680

Lab ID: 1604B97-004

Date Received: 4/18/2016 12:00 PM

5.16

Collection Date: 4/18/2016 4:45 AM

μg/L

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	513	1,300	100		μg/L	1	4/19/2016 12:22 PM	1 35680

Rpt Ver: 4/20/2016 3:38 PM

Lead



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

Laboratory Results

Client: United Analytical Services

Report Date: April 20, 2016

Project: SD #225 Glenbrook North

Workorder: 1604B97

Client Sample ID: #GBN-04 C106 Food Prep Sink

Matrix: Drinking Water

Lab ID: 1604B97-004

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 4:45 AM

Parameter

Lead

Report

Result MCL Limit

Units Date Analyzed BatchID Qual

Analyst: jmk

METALS by ICPMS

Method: EPA-200.8-5.4, 1994

15.0

ND

5.00

μg/L 4/19/2016 12:22 PM 35680

Client Sample ID: #GBN-05 C108 Food Prep Sink

Matrix: Drinking Water

Lab ID: 1604B97-005

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 4:50 AM

Parameter

Report Result MCL Limit

Qual Units Date Analyzed BatchID

METALS by ICPMS

Method: EPA-200.8-5.4, 1994

1,300

221

Analyst: jmk

Copper Lead

ND 15.0 µg/L μg/L 4/19/2016 12:37 PM 4/19/2016 12:37 PM 35680 35680

Client Sample ID: #GBN-06 Science Hallway DWF

100

5.00

Matrix: Drinking Water

Lab ID: 1604B97-006

Date Received: 4/18/2016 12:00 PM

MCL

Collection Date: 4/18/2016 4:55 AM

 $\mu g/L$

με/L

Parameter

Result

Report Qual Units Limit

Method: EPA-200.8-5.4, 1994

DF Date Analyzed BatchID

Analyst: jmk

4/19/2016 12:42 PM

Lead

METALS by ICPMS Copper

367 1,300 ND 15.0

100

5.00

5.00

4/19/2016 12:40 PM μg/L

35680 4/19/2016 12:40 PM 35680

35680

35680

Client Sample ID: #GBN-07 Science Staff Lounge Sink

Matrix: Drinking Water

Lab ID: 1604B97-007

Date Received: 4/18/2016 12:00 PM

Parameter

Lead

Report

Collection Date: 4/18/2016 5:00 AM

Result MCL Units Qual DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk 719 1,300 100 μg/L 4/19/2016 12:42 PM Copper

15.0

ND

Client Sample ID: #GBN-08 Library Staff Lounge

Sink

Lab ID: 1604B97-008

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 5:05 AM

Parameter	ì	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	М	ethod: EPA	-200.8-5.4, 1	994				Analyst: jmk	
Copper		598	1,300	100)	μg/L	1	4/19/2016 12:45 PM	35680
Lead		ND	15.0	5.00)	μg/L	t	4/19/2016 12:45 PM	ı 35680

Client Sample ID: #GBN-09 A250 Hallway DWF

Lab ID: 1604B97-009

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 5:10 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	194				Analyst: jmk	
Copper	450	1,300	100		μg/L	ı	4/19/2016 1:20 PM	35680
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 1:20 PM	35680

Client Sample ID: #GBN-10 A206b SS Lounge Sink

Lab ID: 1604B97-010

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 5:15 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-	-200.8-5.4, 19	94				Analyst: jmk	
Copper	339	1,300	100	,	μ g /L	i	4/19/2016 1:23 PM	35680
Lead	ND	15.0	5.00)	μg/L	1	4/19/2016 I:23 PM	35680

Client Sample ID: #GBN-11 A208J Special Ed Sink

Lab ID: 1604B97-011

Date Received: 4/18/2016 12:00 PM

Matrix: Drinking Water

Collection Date: 4/18/2016 5:20 AM

Parameter	Result		Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-20	00.8-5.4, 1994					Analyst: jmk	
Copper	479	1,300	100		μg/L	1	4/19/2016 1:26 PM	35680
Load	ND :	15.0	5.00		μg/L	1	4/19/2016 1:26 PM	35680

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

Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook North

Report Date: April 20, 2016

Workorder: 1604B97

Client Sample ID: #GBN-12 2nd Fir Special Ed

Hallway DWF

Matrix: Drinking Water

Lab ID: 1604B97-012

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:25 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-	200.8-5.4, 19	994			,	Analyst: jmk	
Copper	373	1,300	100		μg/L	ı	4/19/2016 1:29 PM	f 35680
Lcad	ND	15.0	5.00		μg/L	1	4/19/2016 1:29 PM	35680

Client Sample ID: #GBN-13 F108 Sink

Matrix: Drinking Water

Lab ID: 1604B97-013

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:30 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200,8-5,4, 19	994				Analyst: jmk	
Copper	532	1,300	100		μg/L	1	4/19/2016 1:32 PM	f 35681
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 1:32 PM	35681

Client Sample ID: #GBN-14 Auditorium DWF

Matrix: Drinking Water

Lab ID: 1604B97-014

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:35 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19)94				Analyst: jmk	
Copper	116	1,300	100		μg/L	ıſ	4/19/2016 1:46 PM	35681
Lead	ND	15.0	5.00		μg/L	I	4/19/2016 1:46 PM	35681

Client Sample ID: #GBN-15 Music Hall DWF

Matrix: Drinking Water

Lab ID: 1604B97-015

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:40 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-	200.8-5.4, 19	94			•••	Analyst; jmk	
Copper	164	1,300	100		μg/L	1	4/19/2016 1:49 PM	1 35681

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Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook North

Report Date: April 20, 2016

Workorder: 1604B97

Client Sample ID: #GBN-15 Music Hall DWF

Matrix: Drinking Water

Lab ID: 1604B97-015

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:40 AM

Report Result MCL Parameter Qual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200.8-5.4, 1994 Analyst: jmk Lead ND 15.0 5.00 4/19/2016 1:49 PM 35681 μg/L

Client Sample ID: #GBN-16 Nurse's Office Sink

Matrix: Drinking Water

Lab ID: 1604B97-016

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:45 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Соррег	363	1,300	100		μg/L	i	4/19/2016 1:52 PM	35681
Lead	5.35	15.0	5.00		μg/Ľ,	1	4/19/2016 1:52 PM	35681

Client Sample ID: #GBN-17 Counselor's Office Sink

Matrix: Drinking Water

Lab ID: 1604B97-017

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:50 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200,8-5,4, 1	994	201	***************************************		Analyst: jmk	
Copper	275	1,300	100		μg/L	1	4/19/2016 1:55 PM	35681
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 1:55 PM	35681

Client Sample ID: #GBN-18 Athletic Hallway DWF

Matrix: Drinking Water

Lab ID: 1604B97-018

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 5:55 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	994				Analyst: jmk	
Copper	196	1,300	100		μg/L	1	4/19/2016 1:58 PM	1 35681
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 1:58 PM	1 35681

Client Sample ID: #GBN-19 Fitness Center DWF

Matrix: Drinking Water

Lab ID: 1604B97-019

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:00 AM

Parameter	Result MCL	Report Limit Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200,8-5.4,	1994			Analyst: jmk	
Copper	163 I,300	100	μg/L	1	4/19/2016 2:04 PM	35681
Lead	ND 15.0	5.00	μ g/L	1	4/19/2016 2:04 PM	35681

Client Sample ID: #GBN-20 Entrance 5 Hallway DWF

Matrix: Drinking Water

Lab ID: 1604B97-020

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:05 AM

Parameter	Result MC	Report L Limit	Qual Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200.8-	5.4, 1994			Analyst: jmk	
Copper	581 1,30	001	μg/L	1	4/19/2016 2:07 PN	1 35681
Lead	ND 15.0	5.00	μg/L	1	4/19/2016 2:07 PM	4 35681

Client Sample ID: #GBN-21 Fieldhouse DWF

Matrix: Drinking Water

Lab ID: 1604B97-021

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:10 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	94				Analyst: jmk	
Copper	ND	1,300	100		μg/L	i	4/19/2016 2:21 PM	35681
Lead	ND	15.0	5.00		μg/L	i	4/19/2016 2:21 PM	35681

Client Sample ID: #GBN-22 Old Pool DWF

Matrix: Drinking Water

Lab ID: 1604B97-022

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:15 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 19	994				Analyst: jmk	
Copper	532	1,300	001		μg/L	1	4/19/2016 2:24 PM	f 35681
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 2:24 PM	f 35681



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Laboratory Results

Client: United Analytical Services

Project: SD #225 Glenbrook North

Report Date: April 20, 2016

Workorder: 1604B97

Client Sample ID: #GBN-23 Concessions Sink

Matrix: Drinking Water

Lab ID: 1604B97-023

Date Received: 4/18/2016 12:00 PM

Collection Date: 4/18/2016 6:20 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200.8-5.4, 199	94				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	4/19/2016 2:27 PM	35681
Lead	ND	15.0	5.00		μg/L	1	4/19/2016 2:27 PM	35681



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

Prep Dates

Report Date: April 20, 2016

Original

Workorder: 1604B97

Client: United Analytical Services

Project: SD #225 Glenbrook North

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1604B97-001A	#GBN-01 Kitchen Food Prep Sink	4/18/2016 4:30 AM				
			35680 Turbi	dity Check		4/19/2016 9:40 AM
1604B97-002A	#GBN-02 Cafeteria Serving Line Sink	4/18/2016 4:35 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-003A	#GBN-03 C105 Pre-School DWF	4/18/2016 4:40 AM			*	
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-004A	#GBN-04 C106 Food Prep Sink	4/18/2016 4:45 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-005A	#GBN-05 C108 Food Prep Sink	4/18/2016 4:50 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-006A	#GBN-06 Science Hallway DWF	4/18/2016 4:55 AM				
		ME.	35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-007A	#GBN-07 Science Staff Lounge Sink	4/18/2016 5:00 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-008A	#GBN-08 Library Staff Lounge Sink	4/18/2016 5:05 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-009A	#GBN-09 A250 Hallway DWF	4/18/2016 5:10 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-010A	#GBN-10 A206b SS Lounge Sink	4/18/2016 5:15 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-011A	#GBN-11 A208J Special Ed Sink	4/18/2016 5:20 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-012A	#GBN-12 2nd Flr Special Ed Hallway DWF	4/18/2016 5:25 AM				
			35680 Turbio	dity Check		4/19/2016 9:40 AM
1604B97-013A	#GBN-13 F108 Sink	4/18/2016 5:30 AM				
			35681 Turbio	lity Check		4/19/2016 9:41 AM
1604B97-014A	#GBN-14 Auditorium DWF	4/18/2016 5:35 AM				
			35681 Turbid	lity Check		4/19/2016 9:41 AM
1604B97-015A	#GBN-15 Music Hall DWF	4/18/2016 5:40 AM	****			
			35681 Turbid	lity Check		4/19/2016 9:41 AM
1604B97-016A	#GBN-16 Nurse's Office Sink	4/18/2016 5:45 AM				
			35681 Turbid	lity Check		4/19/2016 9:41 AM
604B97-017A	#GBN-17 Counselor's Office Sink	4/18/2016 5:50 AM				
			35681 Turbid	lity Check		4/19/2016 9:41 AM



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

Prep Dates

Report Date: April 20, 2016 Original

Workorder: 1604B97

Client: United Analytical Services

Project: SD #225 Glenbrook North

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1604B97-018A	#GBN-18 Athletic Hallway DWF	4/18/2016 5:55 AM		
			35681 Turbidity Check	4/19/2016 9:41 AM
1604B97-019A	#GBN-19 Fitness Center DWF	4/18/2016 6:00 AM		
			35681 Turbidity Check	4/19/2016 9:41 AM
1604B97-020A	#GBN-20 Entrance 5 Hallway DWF	4/18/2016 6:05 AM		=
			35681 Turbidity Check	4/19/2016 9:41 AM
1604B97-021A	#GBN-21 Fieldhouse DWF	4/18/2016 6:10 AM		
			35681 Turbidity Check	4/19/2016 9:41 AM
1604B97-022A	#GBN-22 Old Pool DWF	4/18/2016 6:15 AM		
			35681 Turbidity Check	4/19/2016 9:41 AM
1604B97-023A	#GBN-23 Concessions Sink	4/18/2016 6:20 AM		
			35681 Turbidity Check	4/19/2016 9:41 AM



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

Qualifier Definitions

Report Date: April 20, 2016

WorkOrder: 1604B97

Qualifiers:

т	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation
C	Value is below Minimum Concentration Limit
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 compound
ND	Not Detected at the Reporting Limit
P	Present
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

ပ Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records AB# Electronic Version 897 Improper/damaged container/cap Hoadspace/air bubbles for VOCs LAB USE ONLY CONDITION CODES Hand 5. Received past holding time 3. Insufficient cample volume 1699192-01 8 Label conficts with COC Improper preservation St. Order No. 1604 Sample containers supplied by customer? 24 hours of collection? ا م QC Reporting R Condition Temperature of Received Samples 6. Received frazen hipping Method Page # CHAIN OF CUSTODY RECORD Enter an "X" in box below for request www.suburbanlabs.com ANALYSIS & METHOD REQUESTED coived By g Eg Copper × × × × × × × Toll Free: 800.783.LABS pead None/Info on PRESERVATIVE Normal TAT is 5-7 work days for most work. Rush work must be pro approved and additional charges apply. MWRDGT "Please specify in comment Other of the comment of Please provide copy of COC with Final Report. SOWA None None None None None None None None None None None RUSH Charges Approved TURNAROUND TIME REQUESTED NPDES [3] SIZE & TYPE 8 CONTAINERS 11. P 길 щ ρ, щ p, Specify Regulatory Program: (Required) 井 끍 井 H 님 금 님 님 검 님 Disposal []] 503 Sludg 708.544.3260 Date & Time Needed: ð Normal GRAB 1 GRAB 1 GRAB 1 GRAB 1 LUST GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB <u>Eg</u> COMP. GRAB/ Rev. 7/20/08 Tei. X MATRIX MQ DΜ DΨ ĎΜ ΜQ MΩ βM MΩ ΣM βΩ MQ DΨ Fax Report COMMENTS & SPECIAL INSTRUCTIONS: SUBURBAN LABORATORIES, Inc. 5:25 AM 4:50 AM 5:10 AM 5:15 AM 5:20 AM 4:30 AM 4:35 A.M 4:40 AM 4:55 AM 5:00 AM 5:05 AM 4:45 AM TWE COLLECTION 1950 S. Batavia Ave., Ste. 150, Geneva, IL, 60134 60515 Submission of samples subject to Terms and Conditions on back. 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 4/18/16 DATE និ SD #225 Glenbrook North HS United Analytical Services, Inc. @:21 e 12 #GBN-12 2nd Floor Spec. Ed Hallway DWI 日 1429 Centre Circle Drive #GBN-02 Caferteria Serving Line Sink "Use One Line Per Preservation & Container Type #GBN-07 Science Staff Lounge Sink #GBN-08 Library Staff Lounge Sink Thad Daniels SAMPLE IDENTIFICATION #GBN-01 Kitchen Food Prep Sink 10 #GBN-10 A206b SS Lounge Sink #GBN-03 C105 Pre-School DWF 6 #GBN-06 Science Hallway DWF #GBN-04 C106 Food Prep Sink 11 #GBN-11 208J Special Ed Sink tdaniels@uas1.com 5 #GBN-05 C108 Food Prep Sink 9 #GBN-09 A250 Hallway DWF Q Thad Daniels oz, 8az, 40ml Viai, 500ml, Liter (L.), Tube, ludge (U), Wipe (P) CONTAINER: 202, Vaste Water (WW), Surface Water (SW), MATRIX: Drinking Weter (DW), Soil (S), fround Water (GM), Solid Waste (WA), Hass (G), Plastic (P) PRESERVATIVE: aOH, Sodium Bisutfate (NaB), NaTyto SOL, HCI, HNO, Methanol (MeOH) 630-816-9439 X Downers Grove Tojoct Manager (Report to) olect ID / Location ample Collector(s) ompany Address moll Address ø

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Company Name	Seneva, IL 60	38		ř.	708.544.3260	Toll Fre	Toll Free: 800.783.LABS		www.suburbaniabs.com		iic veisioi	-
United Analytical Services, Inc.	S.			TUR	NAROUND.	TURNAROUND TIME REQUESTED	JESTED	ANALYSIS & METHOD REQUESTED		Page 2 of	2	Γ
1429 Centre Circl			⊠ ,	Normal	<u>ā</u>	Additional Rush RUSH Charges Approved.	Blond Rush	Enter an "X" in box below for request		PONG. 1400100 01	5 2	T
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Phene 630-816-9439		E E	Fax Report	atatks Pape	7 work days for proved and ado	rnost work. Re diffonal charges	Normal TAT is 5-7 work days for most work. Rush work must be pre- approved and additional charges apply.			OC Reporting		<u></u>
Email Address tdaniels@uas1.com			65	secify Regr (Re	Specify Regulatory Program: (Required)	Sam:	None/Info any	*		LAB USE ONLY		T
SD #225 Glenbrook North HS	HIS			LUST		SR ₂	SDWA			SLI Order No.	AV RO-	10
rresect Manager (Report to) Thad Daniels				503	503 Sludg	NPDES	MWRDGC			Sample containers		†[:
Sample Calector(s) Thad Daniels				Disposal	les Ses	Othesction	"Please specify in comment Oth Section below.			Temperature of Received Samples	; ; ;	- ပ ၁၅၉
SAMPLE IDENTIFICATION	COLLE	COLLECTION			8	NERS		bber.		Samples received within 24 hours of collection?)= ~	- W-
Use One Linc Per Preservation & Container Typo	DATE	TIME	MATRIX	8 6 8	Offy SIZE	SIZE & TYPE	PRESERVATIVE	- 1		R Condition	Spile LAB#	25
#GBN-13 F108 Sink	4/18/16	5:30 AM	DW	GRAB	1 11	L P	None	××			751	C
#GBN-14 Auditorium DWF	4/18/16	5:35 AM	DW	GRAB	1 11	L P	None	××				J
#GBN-15 Music Hall DWF	4/18/16	5:40 AM	DW	GRAB	1 11	ر به	None	×				
#GBN-16 Nurse's Office Sink	4/18/16	5:45 AM	DW	GRAB	1 1L	ر <u>ب</u> ه	None	×				T
#GBN-17 Counselor's Office Sink	4/18/16	S:50 AM	DW	GRAB	1 IL	C P	None	×				T
#GBN-18 Athletic Hallway DWF	4/18/16	5:55 AM	DW	GRAB	1 11	L P	None	×			-	1
#GBN-19 Fitness Center DWF	4/18/16	6:00 AM	DW	GRAB	1 11	ر به	None	×				T-
#GBN-20 Entrance 5 Hallway DWF	4/18/16	6:05 AM	DW	GRAB	1 1L	- A	None	××				Т
#GBN-21 Field House DWF	4/18/16	6:10 AM	DW	GRAB	2 0.5	0.5L P	None	×				Τ
#GBN-22 Old Pool DWF	4/18/16	6:15 AM	DW	GRAB	2 0.5	0-5L P	None	×				l
11 #GBN-23 Consessions Sink	4/18/16	6:20 AM	D₩	GRAB	2 0.5	OSL P	None	1			22/	4
												Ţ
	& SPECIAL	COMMENTS & SPECIAL INSTRUCTIONS	SW							CONCULON CODES	N CODES	T
Greund Water (GW), Solid Wasto (WA), Studes (U), Wite (P) CONTAINER: 200								¥		improper preservation 2. Improper preservation	constrained cap	
lez, 80z. 40ml Val, 500ml, Liter (L.), Tube,			Diege	n namada	90 7000					3. Insufficient sample volume	rotune	
Gass (G), Plante (P) PRESERVATIVE			600	שמאסומ' : מאסומ' :			rease provide copy of COC with Final Report.		3 , 	 Hoadspacelair bubbles for VOCs Received rest holding firms 	ales for VOCs	
H _E SO ₄ . HCI, HNO ₅ , Methanol (MeOH) NaOH, Sodium Bea <u>yf</u> ate (NaB), NaThò									•	6. Roceived frazen 7. Intel conflicts with COO		- 225
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Submission of samples subject to Terms and Conditions on back.	ítions on bac	يد	Rev.	Rev. 7/20/08		Please	il out this form	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records	submit with sample	S. Keep a convi	nt Voter recon	ri is