



Case Narrative

<http://www.teklabinc.com/>

Client: Holy Family Catholic School

Work Order: 21080083

Client Project: Drinking Water Testing

Report Date: 11-Aug-21

Cooler Receipt Temp: 23.8 °C

Samples were collected in 250mL containers.

Date/Time of last use: 8/1/21 12:00pm

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: Holy Family Catholic School

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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2022	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2022	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2021	Collinsville
Arkansas	ADEQ	88-0966		3/14/2022	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2022	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville



Laboratory Results

<http://www.teklabinc.com/>

Client: Holy Family Catholic School

Work Order: 21080083

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Report Date: 11-Aug-21

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
21080083-001A	001A Gym Hall WF	NELAP		1.0	2.1	µg/L	5	08/10/2021 11:34	08/01/2021 20:06
21080083-002A	001B Gym Hall WF	NELAP		1.0	3.5	µg/L	5	08/10/2021 11:37	08/01/2021 20:07
21080083-003A	002A EL Hall WF1	NELAP		1.0	13.7	µg/L	5	08/10/2021 11:40	08/01/2021 20:09
21080083-004A	002B EL Hall WF1	NELAP		1.0	6.6	µg/L	5	08/10/2021 11:43	08/01/2021 20:11
21080083-005A	003A EL Hall WF2	NELAP		1.0	8.2	µg/L	5	08/10/2021 11:59	08/01/2021 20:13
21080083-006A	003B EL Hall WF2	NELAP		1.0	17.4	µg/L	5	08/10/2021 12:02	08/01/2021 20:15
21080083-007A	004A TL RRS	NELAP		1.0	1.8	µg/L	5	08/10/2021 12:05	08/01/2021 20:18
21080083-008A	004B TL RRS	NELAP		1.0	< 1.0	µg/L	5	08/10/2021 12:08	08/01/2021 20:20
21080083-009A	005A Caf H WF 1	NELAP		1.0	2.7	µg/L	1	08/03/2021 20:55	08/01/2021 20:22
21080083-010A	005B Caf H WF1	NELAP		1.0	2.0	µg/L	1	08/03/2021 21:00	08/01/2021 20:23
21080083-011A	006A Caf H WF2	NELAP		1.0	2.8	µg/L	1	08/03/2021 21:17	08/01/2021 20:26
21080083-012A	006B Caf H WF2	NELAP		1.0	2.2	µg/L	1	08/03/2021 21:23	08/01/2021 20:28
21080083-013A	007A Kit EWS	NELAP		1.0	1.3	µg/L	1	08/03/2021 21:28	08/01/2021 20:30
21080083-014A	007B Kit EWS	NELAP		1.0	1.4	µg/L	1	08/03/2021 21:51	08/01/2021 20:32
21080083-015A	008A Kit EWN	NELAP		1.0	3.4	µg/L	1	08/03/2021 21:56	08/01/2021 20:33
21080083-016A	008B Kit EWN	NELAP		1.0	1.9	µg/L	1	08/03/2021 22:02	08/01/2021 20:35
21080083-017A	009A Kit C Sink	NELAP		1.0	< 1.0	µg/L	1	08/03/2021 22:07	08/01/2021 20:37
21080083-018A	009B Kit C Sink	NELAP		1.0	< 1.0	µg/L	1	08/03/2021 22:13	08/01/2021 20:39



Receiving Check List

<http://www.teklabinc.com/>

Client: Holy Family Catholic School

Work Order: 21080083

Client Project: Drinking Water Testing

Report Date: 11-Aug-21

Carrier: Jeff Miller

Received By: PRY

Completed by:

Reviewed by:

On:

On:

02-Aug-21

02-Aug-21

Ellie Hopkins

Marvin L. Darling

Pages to follow: Chain of custody

2

Extra pages included

1

Shipping container/cooler in good condition?
Type of thermal preservation?
Chain of custody present?
Chain of custody signed when relinquished and received?
Chain of custody agrees with sample labels?
Samples in proper container/bottle?
Sample containers intact?
Sufficient sample volume for indicated test?
All samples received within holding time?
Reported field parameters measured:
Container/Temp Blank temperature in compliance?

Yes ☒ No ☐
None ☒ Ice ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Field ☐ Lab ☐
Yes ☒ No ☐

Not Present ☐ Temp °C 23.8
Blue Ice ☐ Dry Ice ☐

NA ☒

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - at least one vial per sample has zero headspace?
Water - TOX containers have zero headspace?
Water - pH acceptable upon receipt?
NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐ No ☐
Yes ☐ No ☐
Yes ☒ No ☐
Yes ☐ No ☐

No VOA vials ☒
No TOX containers ☒
NA ☐
NA ☒

Any No responses must be detailed below or on the COC.

Samples were checked for turbidity and then preserved with nitric acid (77727) upon arrival in the laboratory. - ERH 8/2/21

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Holy Family Catholic School
Address:	2606 Washington Ave.
City / State / Zip	Granite City, IL 62040
Contact:	Jeff Miller
E-Mail:	j.j.mhfs@gmail.com
Phone:	(618) 514-1570
Fax:	

Samples on:	☒ ICE	☒ BLUE ICE	☒ NO ICE	LTG# 3
Preserved in:	☒ LAB	☒ FIELD	FOR LAB USE ONLY	
Lab Notes	IMS Client = DW Lead - Daycare/Preschool			
Client Comments:				

Samples were collected in 250mL containers.

Date/time last used:

8/01/21 12:00 pm Attached Document*

Project Name/Number		Sample Collector's Name		Matrix		Indicate Analysis Requested											
Drinking Water Testing		Jeff Miller															
Results Requested ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ☐ 3 Day (50% Surcharge)		Billing Instructions Jeff Miller		# and Type of Containers OTHER NaHSO4 MeOH HCL H2SO4 NaOH HNO3 UNPRES													
Lab Use Only	Sample Identification	Date/Time Sampled															
21080083	001A 97m hall WF	8/01/21 806 pm															
-002	001B 97m hall WF	8/01/21 807 pm															
-003	002A 2L Hall WF	8/01/21 809 pm															
-004	002B 2L Hall WF	8/01/21 811 pm															
-005	003A 2L Hall WF	8/01/21 813 pm															
-006	003B 2L Hall WF	8/01/21 815 pm															
-007	004A TL RAS	8/01/21 818 pm															
-008	004B TL RAS	8/01/21 820 pm															
-009	005A Co&H WF	8/01/21 8:22 pm															
-010	005B Co&H WF	8/01/21 8:23 pm															

Relinquished By

Date/Time

Received By

Date/Time

John Under

8/02/21 3:27 PM

[Signature]

8/02/21 1524

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

Bottle Order: 66665

Oct 8/2/21

Work order # 61

Work order # 61

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☒ No

8/10/21 12:00pm
Attached Document *



Holy Family Catholic School
1900 St. Clair Ave.
Granite City, IL 62040

Sample Area	Location	8/01/2021 Last Use	8/01/2021 Sample Time
001 A	Gym Hall WF	11:50 am	8:06 pm
001 B			8:07 pm
002 A	Elementary Hall WF #1	11:51 am	8:09 pm
002 B			8:11 pm
003 A	Elementary Hall WF #2	11:51 am	8:13 pm
003 B			8:15 pm
004 A	Teacher's Lounge RR Sink	11:52 am	8:18 pm
004 B			8:20 pm
005 A	Cafeteria Hall WF #1	11:53 am	8:22 pm
005 B			8:23 pm
006 A	Cafeteria Hall WF #2	11:54 am	8:26 pm
006 B			8:28 pm
007 A	Kitchen Sink West Wall South	11:56 am	8:30 pm
007 B			8:32 pm
008 A	Kitchen Sink West Wall North	11:58 am	8:33 pm
008 B			8:35 pm
009 A	Kitchen Center Sink		8:37 pm
009 B		12:00 pm	8:39 pm



Client Project: Drinking Water Testing

Work Order: 21080083

Report to:

Invoice to:

Attn:

Attn:

Date Received: 8/2/2021 3:27:00 PM

Date Due: Standard TAT

QClevel: LVL1

Project Manager: Marvin L. Darling Tel: (618)344-1004 ex 41 Email: mdarling@teklabinc.com

NOTICE Teklab will proceed with analysis as reported below unless otherwise notified. Call your Project Manager with questions.

Shipping container in good condition?	Yes
Ice present?	No
Chain of custody present?	Yes
Chain of custody signed when relinquished?	Yes
Chain of custody agrees with sample labels?	Yes
Samples in proper container/bottle?	Yes
Sample container intact?	Yes
Sufficient sample volume for indicated tests?	Yes
All samples received within holding time?	Yes
Container/Temp Blank temperature compliant?	Yes 23.8 Celsius

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Field parameters measured in Lab?	N/A
Water - TOX containers have zero headspace?	No TOX containers
Water - VOA vials have zero headspace?	No VOA Vials submitted
Water - pH acceptable upon receipt?	Yes
NPDES/CWA TCN interference checked/treated in field?	N/A

Comments

Samples were checked for turbidity and then preserved with nitric acid (77727) upon arrival in the laboratory. - ERH 8/2/21

21080083-001	001A Gym Hall WF1	Collected: 8/1/2021 8:06:00 PM	Drinking Water			
Test		Hold	MS/MSD	Rush	Sub	
Metals, Aqueous, by ICPMS (Total)	Lead	☐	☐	☐	☐	
21080083-002	001B Gym Hall WF1	Collected: 8/1/2021 8:07:00 PM	Drinking Water			
Test		Hold	MS/MSD	Rush	Sub	
Metals, Aqueous, by ICPMS (Total)	Lead	☐	☐	☐	☐	
21080083-003	002A EL Hall WF1	Collected: 8/1/2021 8:09:00 PM	Drinking Water			
Test		Hold	MS/MSD	Rush	Sub	
Metals, Aqueous, by ICPMS (Total)	Lead	☐	☐	☐	☐	
21080083-004	002B EL Hall WF1	Collected: 8/1/2021 8:11:00 PM	Drinking Water			
Test		Hold	MS/MSD	Rush	Sub	
Metals, Aqueous, by ICPMS (Total)	Lead	☐	☐	☐	☐	
21080083-005	003A EL Hall WF2	Collected: 8/1/2021 8:13:00 PM	Drinking Water			
Test		Hold	MS/MSD	Rush	Sub	
Metals, Aqueous, by ICPMS (Total)	Lead	☐	☐	☐	☐	



<http://www.teklabinc.com/>

Client Project: Drinking Water Testing

Work Order: 21080083

21080083-006	003B EL Hall WF2	Collected: 8/1/2021 8:15:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-007	004A TL RRS	Collected: 8/1/2021 8:18:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-008	004B TL RRS	Collected: 8/1/2021 8:20:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-009	005A Caf H WF 1	Collected: 8/1/2021 8:22:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-010	005B Caf H WF1	Collected: 8/1/2021 8:23:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-011	006A Caf H WF2	Collected: 8/1/2021 8:26:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-012	006B Caf H WF2	Collected: 8/1/2021 8:28:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-013	007A Kit EWS	Collected: 8/1/2021 8:30:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-014	007B Kit EWS	Collected: 8/1/2021 8:32:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-015	008A Kit EWN	Collected: 8/1/2021 8:33:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-016	008B Kit EWN	Collected: 8/1/2021 8:35:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-017	009A Kit C Sink	Collected: 8/1/2021 8:37:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐
21080083-018	009B Kit C Sink	Collected: 8/1/2021 8:39:00 PM	Drinking Water			
Test			Hold	MS/MSD	Rush	Sub
Metals, Aqueous, by ICPMS (Total)	Lead		☐	☐	☐	☐

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Holy Family Catholic School	Samples on:	☐ ICE	☒ BLUE ICE	☒ NO ICE	LTG# 238 °C
Address:	2606 Washington Ave.	Preserved in:	☒ LAB	☒ FIELD	FOR LAB USE ONLY	
City / State / Zip	Granite City, IL 62040	Lab Notes	[IMS Client = DW Lead - Daycare/Preschool]			
Contact:	Jeff Miller					
E-Mail:	j.j.mhfs@gmail.com					
Phone:	(618) 514-1570					
Fax:						
Client Comments:						

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☒ No

[illegible]

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 66665



Out 8/2/21

66665

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Holy Family Catholic School	Phone:	(618) 514-1570
Address:	2606 Washington Ave.	Fax:	
City / State / Zip	Granite City, IL 62040		
Contact:	Jeff Miller		
E-Mail:	jhmhf@gmail.com		

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☒ No

Date/time last used: 8/01/21 12:00 pm Attached Document *

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BottleOrder: 66665



Holy Family Catholic School
1900 St. Clair Ave.
Granite City, IL 62040

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001 B			8:07 pm
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008 A	Kitchen Sink West Wall North	11:58 am	8:33 pm
008 B			8:35 pm
009 A	Kitchen Center Sink		8:37 pm
009 B		12:00 pm	8:39 pm

I spoke with Jeff Faust from Environmental Consultants, LLC regarding the water testing results. Mr. Faust stated that the water fountains that have high levels are most likely due to being unused for almost two years due to the COVID pandemic. He stated that there is most likely old sediment and such that has dried up in the water fountain parts and pipes causing the negative results. The results in 2017 were fine for these units. He recommends in his report to clean them. He stated that the units should be taken apart and components fully cleaned. The unit should then be put back together and the line flushed for an hour or more before testing it again following the proper procedures. He believes this will solve the problem. Mrs. Pennell had mentioned wanting to install bottle fill stations in the future. This would also solve the problem. These two options can be discussed and a plan put in place for the future as all water fountains are currently out of service due to COVID-19.

The lounge water fountain that tested poorly in 2017 was immediately shut down after receiving the results and removed shortly after.

Mr. Faust suggested not re-testing the Chapel. He stated that it is not a common area for consumption. Because it is used so infrequently, it would have to be flushed for long periods of time. His suggestion is to continue to not use it for drinking purposes.

The summary sent by Environmental Consultants needs to be sent to the IDPH along with the testing results and the mitigation plan.