### WATER QUALITY TESTING

### **FOR**

## ZION SCHOOL DISTRICT 6 LAKEVIEW SCHOOL

ZION, ILLINOIS

MARCH 30, 2017

PROJECT NUMBER: 17-18288

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### \_\_\_\_

INTRODUCTION

Zion School District 6 implemented a proactive program of water testing at the Lakeview School. Water sampling was conducted by David Johnson an Aires associate consultant on March 30, 2017. Mr. Geoffrey J. Bacci, II, PE designed the studied and developed this report.

All sampling methodology followed protocol required by The Lead in Drinking Water Testing Bill (LDWTB) an guidelines published by the Illinois Department of Public Health (IDPH). Detailed background information on testing requirements, methodology and lead health effects are included in the main report to the District that summarizes results and offers recommendations.

### **RESULTS**

Field sheets identifying sample numbers and sample locations maps are included in Appendix I. Laboratory results are included in Appendix II.

Results that exceed 5 ppb must be communicated to parents in writing. Results that exceeded the EPA action level of 20 ppb are shown in **bold print**. The following locations are results that exceeded 5 ppb.

- LS-S-01A: first draw 2<sup>nd</sup> floor conference room sink 6.52 ppb
- LS-S-02A: first draw kiln room sink 10.9 ppb
- LS-S-02B: flush kiln room sink 9.25 ppb
- LS-W-04A: first draw drinking fountain near room 106 5.69 ppb
- LS-W-04B: flush drinking fountain near room 106 6.47 ppb
- LS-W-05B: flush drinking fountain near room 108 9.92 ppb
- LS-S-06A: first draw room 103 sink 6.44 ppb
- LS-W-07B: flush drinking fountain outside faculty restroom 13.4 ppb
- LS-S-09A: first draw sink across from room 10 22.7 ppb.

Remaining results should at minimum be posted on the Districts website within 7 days. The results of all samples should be e mailed to IDPH within 7 days.



Page 1 March 2017

Drinking fountains that exceed the EPA action level of 20 ppb should be taken out of service. Sinks that exceed the EPA action level of 20 ppb should be labeled to avoid using as a drinking or cooking source.

Further investigation and corrective action is necessary to identify the lead source and identify corrective action to reduce lead levels.

### PROFESSIONAL CERTIFICATION

Aires Consulting, a division of Gallagher Bassett Services, Inc. conducted this study in the interest of **Zion School District 6** to assist in meeting environmental obligations and regulations. In this respect, we hope the results of this study are useful. *This study was not intended to include every environmental exposure that may be present at the facility; only those items specifically addressed in the report were evaluated. If you have any questions concerning this study please let us know.* 

Respectfully Submitted,

Geoffrey J. Bacci, II, PE

**Director Operations** 



Page 2 March 2017

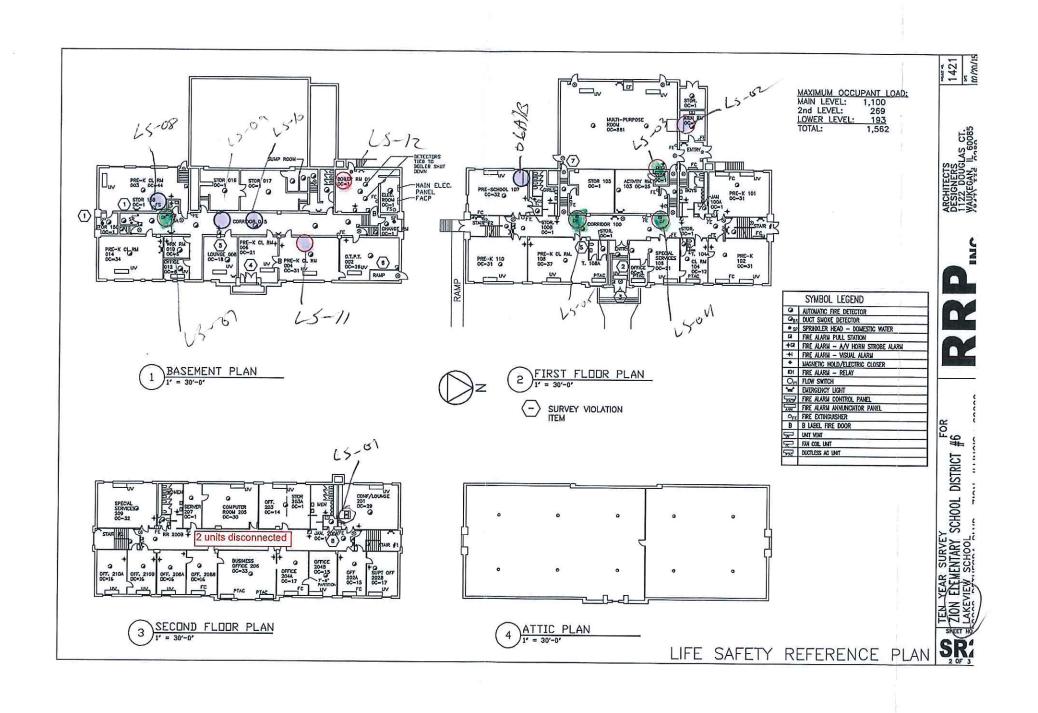
Appendix I
Sample Collection

Page	of
1 UBC	Ų1

Project Location Lakeview Schol	Consultant D. Johnson	l	ast Time Used:
P.O.#	Date 3/35/). 7	Date	Time:

\* Type: W = Water fountain B= Bottle fill S = Sink I = Incoming source

Sample Description School ID Type* Sample #	Sampling Time	Sample Location	Outlet Description (Make/Model)	Sampler Comments
LS-8= 01A	6140	2nd Fl. Conference nom	strynt steel	
L<-6-01R	6142		- 1	
LS-5-62A	6145	Kila Rua	Stanles steel	
L5-5-0213	6346			
L5-6-03A	7110	Gym	Percelyin formans	Very hour no hate persone
L5-6-033	7112	Gym		
L5-W-04A	7, 18	Mear Room lot	G/Kay	very low Inis water pressing
45-W-04B	7119			
L5-12-05A	7530	Man Rum WP	ElKe	
L5-W-05A	7133		`	
(5-5-06M	7550	Room 103	Stambers Street	
LS-5-66B	7152	,	-11.	
LS-Worn	2155	OAside Franks Restruc	Elkay	
LS-W-67B	7/57	0		
L3-5-08A	8107	Room 003	Porcelain	<u> </u>
45-5-08R		1	0	
<u> </u>	3112	Acres from Rown 10	Porcelain	
15/3-09B	8115	11 1 1	0 0 1 1 1	
L5-8-1011 L5-5-1013	3//3 8/17	Across from Rum 10	Hind wash station	
L 3-5-11A	8120	Room to U6		
	812-Z	TOOM AREA U.O.		
LS-5-12	8130	Butter Resm	water Dutake	PH= 7.75 4/4/17 NB Revision





Friday, April 28, 2017

PAS WO:

17D0131

Geoff Bacci II

Aires Consulting Group 1550 Hubbard Ave. Batavia, IL 60510

TEL: (630) 879-3006 FAX: (630) 879-3014

RE: Zion District 6/ Lakeview School

Prairie Analytical Systems, Inc. received 23 sample(s) on 4/4/2017 for the analyses presented in

the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (224) 253-1348.

Respectfully submitted,

(hrsta

Christina E. Pierce

Project Manager

Certifications: NELAP/NELAC - IL #100323

**Date:** 4/28/2017

### LABORATORY RESULTS

**Client:** Aires Consulting Group

Chent:	Aires Consulting	g Group								
Project:	Zion District 6/	Lakeview S	School				Lab Order: 17	D0131		
<b>Client Sample ID:</b>	LS-S-01A						Lab ID: 17	D0131-01		
<b>Collection Date:</b>	3/30/17 6:40						Matrix: Di	inking Water		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS				<b>Z</b>			<b></b>			
*Lead		6.52	2.00		μg/L	1	4/26/17 12:15	4/26/17 17:16	EPA200.8	JTC
Client Sample ID:	LS-S-01B						Lab ID: 17			
<b>Collection Date:</b>	3/30/17 6:42						Matrix: Di	inking Water		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS *Lead		U	2.00		μg/L	1	4/26/17 12:15	4/26/17 17:23	EPA200.8	JTC
Client Sample ID: Collection Date:	LS-S-02A 3/30/17 6:45							D0131-03		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS *Lead		10.9	2.00	Zum	μg/L	1	4/26/17 8:40	4/27/17 18:10	EPA200.8	JTC
Client Sample ID: Collection Date:	LS-S-02B 3/30/17 6:46						Lab ID: 17	D0131-04 rinking Water		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS *Lead		9.25	2.00		μg/L	1	4/26/17 8:40	4/27/17 18:14	EPA200.8	JTC
Client Sample ID: Collection Date:	LS-W-03A 3/30/17 7:10							D0131-05 rinking Water		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS *Lead		3.69	2.00		μg/L	1	4/26/17 12:15	4/26/17 17:27	EPA200.8	JTC
Client Sample ID: Collection Date:	LS-W-03B 3/30/17 7:12						Lab ID: 17	D0131-06		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS *Lead		3.14	2.00		μg/L	1	4/26/17 12:15	4/26/17 17:31	EPA200.8	JTC
Client Sample ID: Collection Date:	LS-W-04A 3/30/17 7:18						Lab ID: 17 Matrix: Di	D0131-07 rinking Water		
Analyses		Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS *Lead		5.69	2.00		μg/L	1	4/26/17 12:15	4/26/17 17:45	EPA200.8	JTC

Analyses

\*Lead

Date: 4/28/2017

LAROD	ATORV	RESULTS
LADUN	AIUNI	NESULIS

**Client:** Aires Consulting Group

Project: Lab Order: 17D0131 Zion District 6/ Lakeview School

**Client Sample ID:** LS-W-04B **Lab ID:** 17D0131-08

Matrix: Drinking Water **Collection Date:** 3/30/17 7:19 Limit

Result Qual Units **Date Prepared Date Analyzed** Method Analyses Analyst Metals by ICP-MS  $\mu g/L$ \*Lead 6.47 2.00 1 4/26/17 12:15 4/26/17 17:49 EPA200.8 JTC

DF

**Lab ID:** 17D0131-09 **Client Sample ID:** LS-W-05A **Collection Date:** Matrix: Drinking Water 3/30/17 7:30

Analyses Result Limit Qual Units DF **Date Prepared** Date Analyzed Method Analyst Metals by ICP-MS \*Lead 3.54 2.00  $\mu g/L$ 1 4/26/17 12:15 4/26/17 17:54 EPA200.8 JTC

**Client Sample ID:** LS-W-05B **Lab ID:** 17D0131-10

Matrix: Drinking Water **Collection Date:** 3/30/17 7:33

Result DF Analyses Limit Qual Units **Date Prepared** Date Analyzed Method Analyst Metals by ICP-MS \*Lead 9.92 2.00 μg/L 1 4/26/17 12:15 4/26/17 18:12 EPA200.8 JTC

**Client Sample ID: Lab ID:** 17D0131-11 LS-S-06A Matrix: Drinking Water **Collection Date:** 3/30/17 7:50

DF Analyses Result Limit Qual Units **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS \*Lead 6.44 2.00  $\mu g/L$ 1 4/26/17 12:15 4/26/17 18:17 EPA200.8 JTC

**Client Sample ID:** LS-S-06B Lab ID: 17D0131-12

**Collection Date:** 3/30/17 7:52 Matrix: Drinking Water Limit

Result

4.54

**Date Prepared** Analyst Metals by ICP-MS \*Lead U 2.00 μg/L 1 4/26/17 12:15 4/26/17 18:21 EPA200.8 JTC

Units

DF

1

4/26/17 12:15

**Date Analyzed** 

4/26/17 18:25

Method

EPA200.8

Qual

**Client Sample ID:** LS-W-07A **Lab ID:** 17D0131-13 **Collection Date:** Matrix: Drinking Water 3/30/17 7:55

Analyses Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS

 $\mu g/L$ 

**Lab ID:** 17D0131-14 **Client Sample ID:** LS-W-07B

2.00

**Collection Date:** Matrix: Drinking Water 3/30/17 7:57

Analyses Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS \*Lead 13.4 2.00 μg/L 1 4/26/17 12:15 4/26/17 18:30 EPA200.8 JTC

JTC

**Date:** 4/28/2017

### LABORATORY RESULTS

**Client:** Aires Consulting Group

Project: Zion District 6/ Lakeview School Lab Order: 17D0131

Client Sample ID: LS-W-07B Lab ID: 17D0131-14

**Collection Date:** Matrix: Drinking Water 3/30/17 7:57 Result Limit Qual Units DF **Date Prepared** Date Analyzed Method Analyses Analyst **Client Sample ID:** LS-S-08A Lab ID: 17D0131-15 **Collection Date:** 3/30/17 8:05 Matrix: Drinking Water Analyses Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS \*Lead U 2.00 μg/L 1 4/26/17 12:15 4/26/17 18:34 EPA200.8 JTC **Lab ID:** 17D0131-16 **Client Sample ID:** LS-S-08B **Collection Date:** Matrix: Drinking Water 3/30/17 8:07 DF Analyses Result Limit Qual Units **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS U \*Lead 2.00  $\mu \text{g}/L$ 1 4/26/17 12:18 4/26/17 18:48 EPA200.8 JTC **Client Sample ID:** LS-S-09A **Lab ID:** 17D0131-17 **Collection Date:** 3/30/17 8:10 Matrix: Drinking Water Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyst Analyses Metals by ICP-MS \*Lead 22.7 2.00  $\mu g/L$ 1 4/26/17 12:18 4/26/17 19:18 EPA200.8 JTC **Lab ID:** 17D0131-18 **Client Sample ID:** LS-S-09B 3/30/17 8:12 **Collection Date:** Matrix: Drinking Water DF Analyses Result Limit Qual Units **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS  $\mu g/L$ \*Lead U 2.00 1 4/26/17 12:18 4/26/17 19:23 EPA200.8 JTC **Client Sample ID:** LS-S-10A Lab ID: 17D0131-19 **Collection Date:** Matrix: Drinking Water 3/30/17 8:15 Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyst Analyses Metals by ICP-MS 1 JTC \*Lead 2.44 2.00  $\mu g/L$ 4/26/17 12:18 4/26/17 19:27 EPA200.8 **Client Sample ID: Lab ID:** 17D0131-20 LS-S-10B Matrix: Drinking Water **Collection Date:** 3/30/17 8:17 Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyses Analyst Metals by ICP-MS \*Lead U 2.00 μg/L 1 4/26/17 12:18 4/26/17 19:32 EPA200.8 JTC

EPA200.8

4/26/17 19:36

JTC

\*Lead

**Date:** 4/28/2017

### LABORATORY RESULTS

**Client:** Aires Consulting Group

Project: Zion District 6/ Lakeview School Lab Order: 17D0131

 Client Sample ID:
 LS-S-11A
 Lab ID:
 17D0131-21

 Collection Date:
 3/30/17 8:20
 Matrix:
 Drinking Water

Analyses Result Limit Qual Units DF Date Prepared Date Analyzed Method Analyst

Metals by ICP-MS

 $\mu g/L$ 

1

4/26/17 12:18

Client Sample ID: LS-S-11B Lab ID: 17D0131-22

2.00

2.09

Client Sample ID:LS-S-11BLab ID:17D0131-22Collection Date:3/30/17 8:22Matrix:Drinking Water

Result DF **Date Prepared** Analyses Limit Qual Units Date Analyzed Method Analyst Metals by ICP-MS \*Lead U 2.00  $\mu \text{g}/L$ 1 4/26/17 12:18 4/26/17 19:40 EPA200.8 JTC

 Client Sample ID:
 LS-I-12

 Lab ID:
 17D0131-23

**Collection Date:** 3/30/17 8:30 **Matrix:** Drinking Water

Analyses Result Limit Qual Units DF **Date Prepared Date Analyzed** Method Analyst Metals by ICP-MS \*Lead 2.00 1 4/26/17 12:18 4/26/17 19:45 EPA200.8 JTC 8.83  $\mu g/L$ 

**Date:** 4/28/2017 Prairie Analytical Systems, Inc.

### LABORATORY RESULTS

**Client:** Aires Consulting Group

**Project:** Lab Order: 17D0131 Zion District 6/ Lakeview School

### **Metals by ICP-MS - Quality Control**

		Donortin -		Cmiles	Source		%REC		RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Result	%REC	%REC Limits	RPD	Limit	Notes
Batch A002107 - EPA 200.8 Metals										
Datcii A002107 - EFA 200.8 Metais										
Blank (A002107-BLK1)				Prepared: (	04/26/201 A	nalyzed: 04	4/27/201			
Lead	U	2.00	$\mu g/L$							
LCS (A002107-BS1)				Prepared: (	04/26/201 A	nalyzed: 04	4/27/201			
Lead	526	2.00	$\mu g/L$	500.00		105	85-115			
Matrix Spike (A002107-MS1)	Sour	ce: 17D0129-	17	Prepared: (	04/26/201 A	nalyzed: 04	4/27/201			
Lead	598	2.00	μg/L	500.00	69.7	106	75-125			
Matrix Spike (A002107-MS2)	Sour	ce: 17D0243-	01	Prepared: (	04/26/201 A	nalyzed: 04	4/27/201			
Lead	538	2.00	μg/L	500.00	3.34	107	75-125			
Matrix Spike Dup (A002107-MSD1)	Sour	ce: 17D0129-	17	Prepared: (	04/26/201 A	nalyzed: 04	4/27/201			
Lead	598	2.00	μg/L	500.00	69.7	106	75-125	0.1	20	
Matrix Spike Dup (A002107-MSD2)	Sour	ce: 17D0243-	01	Prepared: (	04/26/201 A	nalyzed: 04	4/27/201			
Lead	548	2.00	μg/L	500.00	3.34	109	75-125	2	20	
Batch A002114 - EPA 200.8 Metals										
Blank (A002114-BLK1)				Prepared &	z Analyzed:	04/26/201				
Lead	U	2.00	μg/L		,					
LCS (A002114-BS1)				Prepared &	z Analyzed:	04/26/201				
Lead	524	2.00	μg/L	500.00	<u> </u>	105	85-115			
Matrix Spike (A002114-MS1)	Sour	ce: 17D0130-	09	Prepared &	z Analyzed:	04/26/201				
Lead	492	2.00	μg/L	500.00	0.877	98	75-125			

**Date:** 4/28/2017 Prairie Analytical Systems, Inc.

### LABORATORY RESULTS

**Client:** Aires Consulting Group

Zion District 6/ Lakeview School **Project:** Lab Order: 17D0131

### Metals by ICP-MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
<b>Batch A002114 - EPA 200.8 Metals</b>										
Matrix Spike (A002114-MS2)	Sour	ce: 17D0131-	-06	Prepared &	: Analyzed:	04/26/201				
Lead	495	2.00	$\mu g/L$	500.00	3.14	98	75-125			
Matrix Spike Dup (A002114-MSD1)	Sour	ce: 17D0130-	.09	Prepared &	Analyzed:	04/26/201				
Lead	499	2.00	$\mu g/L$	500.00	0.877	100	75-125	1	20	
Matrix Spike Dup (A002114-MSD2)	Sour	ce: 17D0131-	06	Prepared &	: Analyzed:	04/26/201				
Lead	490	2.00	μg/L	500.00	3.14	97	75-125	1	20	
<b>Batch A002115 - EPA 200.8 Metals</b>										
Blank (A002115-BLK1)				Prepared &	: Analyzed:	04/26/201				
Lead	U	2.00	$\mu g/L$							
LCS (A002115-BS1)				Prepared &	: Analyzed:	04/26/201				
Lead	509	2.00	μg/L	500.00	·	102	85-115			
Matrix Spike (A002115-MS1)	Sour	ce: 17D0131-	16	Prepared &	: Analyzed:	04/26/201				
Lead	468	2.00	μg/L	500.00	1.51	93	75-125			
Matrix Spike (A002115-MS2)	Sour	ce: 17D0138-	03	Prepared &	: Analyzed:	04/26/201				
Lead	456	2.00	μg/L	500.00	2.70	91	75-125			
Matrix Spike Dup (A002115-MSD1)	Sour	ce: 17D0131-	16	Prepared &	: Analyzed:	04/26/201				
Lead	467	2.00	μg/L	500.00	1.51	93	75-125	0.02	20	
Matrix Spike Dup (A002115-MSD2)	Sour	ce: 17D0138-	03	Prepared &	: Analyzed:	04/26/201				
Lead	469	2.00	μg/L	500.00	2.70	93	75-125	3	20	

**Date:** 4/28/2017

### LABORATORY RESULTS

**Client:** Aires Consulting Group

**Project:** Zion District 6/ Lakeview School Lab Order: 17D0131

### **Notes and Definitions**

NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680 Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152

Systems, incorporated

www.prairieanalytical.com

Appendix IX Method of Shipment Commercial Sampler Comments ☐ Residential ☐ Residential Industrial / X - Other (Specify) X - Other (Specify) Industrial Reporting OCCDD W A なって RISC OOAT CALM のなり なよ 0201 Time 5035 Kit 0-0 Date Analysis and/or Method Requested 4 - NaOH S - Solid NA - Non-Aqueous Liquid Received By 3 - HN03 Lead in Drinking Water - IL X X X X X Sample Type Comp | Grab GW - Ground Water 2.35 Containers Time No. of See attached Addendum (pages) for sample information (samples) 1700 2200 Bethesda Blvd, Zion Preserv Code DW - Drinking Water Aires Consulting - Gallagher Bassett 14/17 Matrix Code Date 7 0 3/13 Time ch:9 N. N. 2 1550 Hubbard Ave Batavia, IL 60510 Lakeview School Sampling 630.879.3006 Zion District 6 Geoff Bacci II A - Aqueous 0 - None 17-18288 33 Date Relinquished By en -02A B 102B - 034 -038 15-10-87 5-62-053 Project Name / Number 18-0-3-5-W-05B Sample Description Preservative Code 5-61R D10-5-City, State, Zip Code P.O. # or Invoice To Matrix Code Phone / Facsimile Project Location Contact Person とって 3 M 212 Address Client

W of Page.

Revision 4 March 21, 2017 Whee Wano

On wet ice?

Rush

Standard

urnaround Time Date Required

250 ml both 25

Ċ

samples collected

complance

Page 9 of 11

> Copies: White - Client / Yellow - PAS, Inc. / Pink - Sampler PAS COC - Aires

# Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152 Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680 Central/Southern IL Office - Phone (217) 414-7762 - Facsimile (217) 223-7922

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Prairie	580

Number   N	Client					Signatury N	and for Mark and		
Number   N	Address					Alialysis	and/or Method Requested		Reporting
Number	City, State, Zip Code			370		مدار.			
Sampling   Sampling	Phone / Facsimile					m			-
1	Project Name / Number					Costs			□ ∀ □ [
1	Project Location	Kev Pens	ulu!			120			
Signature   Sampling	P.O. # or Invoice To					V			$\neg 1$
Sumpling   Matrix   Presery   No. of   Sample Type   No. of   Samp	Contact Person					Y.	•		
S-C6R   S/S/m   7152   1	Sample Description	Sampling	Matrix	No. of	0	בנוא	*	e e	r   Indust
13-2   13-2   1   2   2   2   2   2   2   2   2		13/17		Containers		7 5			Sampler Comments
1	1		152	, -		1 +			
1	3	7	1	-		. >			
1	1	2	57	7		7 3			
S	1	2,7	os	-		X ×			
S	1	1.5%	57	-		, , ,			
S	1	8:1	0	-		X			
1   1   2   1   2   2   2   2   2   2	7		7	-		、メ	6		
Sitte   Sit		118	2	-		4			
Author Code	12	8	21			\rightarrow \right			
Matrix Code         A-Aqueous         DW-Drinking Water         I         A-Aqueous         I         A-Aqueous         I         A-Aqueous         I         A-Aqueous         I         A-Aqueous         I         A-Aqueous         I<	15-1	325	3	-					
Matrix Code         A - Aqueous         DW - Drinking Water         GW - Ground Water         INA - Non-Aqueous Liquid         S - Solid         O - Oil           Preserv Code         0 - None         1 - HCl         2 - H2SO4         3 - HNO3         4 - NaOH         5 - 5035 Kit           Image: Company of the com	11-5-	1 8:	22	-		, ,			
Preserv Code   0 - None   1 - HCI   2 - H2SO4   3 - HNO3   4 - NaOH   5 - 5035 Kit	Matrix Code	A - Aqueous	DW - Drinking Water	GW - Gro	ound Water	NA - Non-Aqueous Liquid	71100		
Date   Time   Received By   Date   Time	- 11	0 - None	1-HCI	2-H	12SO4	3 - HNO3	4 - NaOH	0 - Oil 5 - 5035 Kit	X - Other (Specify)
Day Oct   11   12   12   12   14   17   14   17   14   17   14   17   14   17   14   17   14   17   14   17   14   17   14   17   14   17   14   18   18   18   18   18   18   18	Relinquik	shed By	Date	Time		Received By	1 2 17	Time	Mothod of Shizzon
1790   1790	7/8			11/00	RODY	(11)	1	1	
170   170	LPSOLOLL		-	2,35	3	000		W U	
Instructions:    Turnaround Time: Standard   QC Level   On wet ice?     Date Required:   A   Yes   You     PAS COC Rev. 3			17	1700	7	NAMA	1/8/12	1950	Appen
PAS COC Rev. 3					2		Rush QC Leve		Temperature (°C) =
	of 11				2	11			./.

## Chain of Custody Record

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Prairie Frairie	
79	

Reporting   Repo	Client							www.pranreanaryucar.com
Sampling	Address				Analysis	and/or Method Requested		Reporting
2   3   2   1   1   1   1   1   1   1   1   1					<i>T-</i>			F
Sampling   Matrix   Prosent   No of   Sample Tippe   Sample Tipp	City, State, Zip Code				*			J [
Sampling   Matrix Preserv   No. of   Sample Type   Sampl	Phone / Facsimile				7			
Sampling   Matrix   Preserv   No. of   Sample Type   Sampl	Project Name / Number				,60/			□ ∀ □
Sampling	Project Location				74			 
Thick   Date   Sampling   Matrix   Presery   No. of   Sample Type   Matrix   Mat	P.O. # or Invoice To	1			·- '-'0'	ž.	7.	пΙ
S-II- Z   3/3s) 7   \$7.3s	Contact Person				71	•		Ц
Nettor Code	Sample Description		Matrix Preserv	No. of	Tri.		į.	닠
		Date	Code	Containers Comp	1			Sampler Comments
Matrix Code	1-I-	30/17 8	133		7			
Native Code					<			
Matrix Codes         A - Augustus         DW - Directing Water         OW - Country Water         NA - Non-Adjustus Ligard         A - Nachous         X - Cohen (Specify)           Reservations:         A - Augustus         DW - Directing Water         OW - Country Water         NA - Non-Adjustus         A - Nachol         X - Cohen (Specify)           Reservations:         Reservations:         A - Augustus         A - Augustus         A - Augustus         X - Cohen (Specify)           Reservations:         Reservations:         A - Augustus         A - Augustus         A - Augustus         A - Augustus           Reservations:         A - Augustus           Reservations:         A - Augustus           Reservations:         A - Augustus           Reservations:         A - Augustus           Reservations:         A - Augustus           A - Augustus         A - Augustus         A - Augus								
Metrix Code         A - Aqueous         DW - Dinking Water         GW - Ground Water         IAM - Mon-Aqueous Liquid         S. Sale         O - Oil         X Other (Specify)           Present Code         0 - None         1 - HCl         2 - RESCA         3 - HOLD         A - Much Part (Specify)         X Other (Specify)           Present Code         0 - None         1 - HCl         X Other (Specify)         X Other (Specify)         X Other (Specify)           Present Code         0 - None         1 - HCl         X Other (Specify)         X Other (Specify)         X Other (Specify)           Code         1 - HCl         X Alter (Specify)         X Other (Specify)         X Other (Specify)         X Other (Specify)           Code         1 - HCl         X Alter (Specify)         X Other (Specify)         X Other (Specify)           Code         4 - Alter (Alter)         X Alter (Specify)         X Other (Specify)         X Other (Specify)           Code         4 - Alter (Alter)         X Alter (Specify)         X Other (Specify)         X Other (Specify)           Code         4 - Alter (Alter)         X Alter (Specify)         X Alter (Specify)         X Other (Specify)           Code         4 - Alter (Alter)         X Alter (Alter)         X Alter (Specify) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Netric Code         A. Aqueous         D. Hone         S. Solid         S. Solid         Co. Cell         X. Other (Specify)           Preserv Code         A. Aqueous         D. Hone         S. HNG3         4. NaCH         S. Solid         Co. Cell         X. Other (Specify)           Preserv Code         D. Hone         T. HNC3         A. HNG3         4. NaCH         S. Solid         Co. Cell         X. Other (Specify)           Preserv Code         D. Hone         T. Time         T. Time         A. HNG3         A. HNG3         A. HNG4         A. Other (Specify)           Cocycles         T. HNG4         A. HNG4         A. HNG4         A. HNG4         A. HNG4         A. HNG4           Deate Restrictions:         T. Immediated immer. Standard (P. Rush)         A. HHC7         A. HNG4         T. Time					14"			
Matrix Code         AAqueous         Date         Time         NA-Non-Aqueous Liquid         S. Solid         X-Other (Specify)           Preserv Code         AAqueous         Date         Time         A-HAD3         A-HAD4         X-Other (Specify)           Preserv Code         AAqueous         Date         Time         A-HAD3         A-HAD4         X-Other (Specify)           Preserv Code         AAqueous         Date         Time         A-HAD3         A-HAD4         X-Other (Specify)           AAqueous         AAqueous         A-HAD3         A-HAD4         X-Other (Specify)         X-Other (Specify)           AAqueous         AAqueous         A-HAD4         A-HAD4         A-HAD4         A-Gold         X-Other (Specify)           AAqueous         AAqueous         A-HAD4         A-HAD4         A-HAD4         A-Gold         A-HAD4         A-Gold         A-HAD4         A-Gold         A-HAD4         A-Gold         A-HAD4         A-Gold         A-HAD4         A-Gold         A-HAD4         A-HAD4         A-Gold         A-HAD4         A-HAD4         A-Gold         A-HAD4								
Matrix Code         A - Aqueous         DW - Drinking Water         GW - Ground Water         NA - Non-Aqueous Liquid         S - Soild         O - Oil         X - Other (Specify)           Preserv Code         0 - None         1 - HGI         2 - H28O4         3 - HNO3         4 - NaOH         5 - 5035 Kit         X - Other (Specify)           Relinquished By         Date         Time         Received By         A - NaOH         5 - 5035 Kit         X - Other (Specify)           A / 4 / 17								
Matrix Code         A - Aqueous         DW - Orning Water         GW - Ground Water         NA - Non-Aqueous Liquid         S - Solid         O - Oil         X - Other (Specify)           Preserv Code         A - Aqueous         1 - HCl         2 - H2SO4         3 - HNO3         4 - NaCH         5 - 5036 Kit         X - Other (Specify)           Relinquished By         Date         Time         Received By         6 - 5036 Kit         X - Other (Specify)           A / 4 / 77         A / 2 / 7 / 7 / 2         A / 2 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7           Instructions:         A / 4 / 7 / 7 / 7 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7           Instructions:         Bale Required:         Bale Required:         A / 4 / 7 / 7         A / 4 / 7 / 7         A / 4 / 7 / 7								
Matrix Code         A - Aqueous         DW - Drinking Water         GW - Ground Water         NA - Non-Aqueous Liquid         S - Solid         O - Oil         X - Other (Specify)           Relinquished By         1 - HCI         2 - HZSO4         3 - HNO3         4 - NaOH         5 - Solid         X - Other (Specify)           Relinquished By         Date         Time         Received By         A - HA / 7   D A 7 M         A - HA / 7   D A 7 M           MH / 7   27.35         M - Mon-Aqueous Liquid         S - Solid         A - Aqueous         A - Oil         X - Other (Specify)           M - Non-Aqueous Liquid         S - Solid         A - NaOH         A - NaOH         A - Oil         X - Other (Specify)           M - Non-Aqueous Liquid         S - Solid         A - NaOH         A - NaOH         A - Oil         X - Other (Specify)           M - Non-Aqueous Liquid         M - Non-Aqueous Liquid         B - Solid         A - MaOH         A - Oil         A - Other (Specify)           M - Non-Aqueous Liquid         M - Non-Aqueous Liquid         M - Non-Aqueous Liquid         A - MaOH         A - MaOH         A - MaOH         A - MaOH           M - M - Non-Aqueous Liquid         M - Non-Aqueous Liquid         M - MaOH         A - MaOH								
Matrix Code         A - Aqueous         DW - Drinking Water         GW - Ground Water         INA - Non-Aqueous Liquid         S - Solid         O - Oil         X - Other (Specify)           Relinquished By         Date         Time         A - NaOH         5 - Solid         0 - Oil         X - Other (Specify)           Relinquished By         Date         Time         Method of Shipmen           Method of Shipmen         A / 4 / 17           Method of Shipmen         A / 4 / 17           Instructions:         Date Required:         Date Required:         Bate Required:         A / 4 / 17         A / 4 / 17						2		
Matrix Code         A - Aqueous         DW - Drinking Water         GW - Ground Water         NA - Non-Aqueous Liquid         S - Solid         O - Oil         X - Other (Specify)           Reserv Code         0 - None         1 - HCI         2 - H2SO4         3 - HNO3         4 - NaOH         5 - Solid         X - Other (Specify)           Relinquished By         Date         Time         Received By         A - NaOH         5 - Solid         X - Other (Specify)           A / 4 / 7         Image: All A / A / A / A / A / A / A / A / A /								
Matrix Code         A - Aqueous         Diriking Water         GW - Ground Water         Instructions:         Instru					-12			
Matrix Code         A - Aqueous         DW - Drinking Water         GW - Ground Water         NA - Non-Aqueous Liquid         S - Solid         O - Oil         X - Other (Specify)           Preserv Code         0 - None         1 - HCl         2 - H2SO4         3 - HNO3         4 - NaOH         5 - 5035 Kit         X - Other (Specify)           Relinquished By         Parts         Time         Method of Shipmen           Preserv Code         Parts         Time         Method of Shipmen           Preserv Code         Parts         Parts         Time         Method of Shipmen           Preserv Code         Parts         Parts         Parts         Parts         Parts           Preserv Code         Parts         Parts         Parts         Parts         Parts           Parts         Parts         Parts         Parts         Parts         Parts         Parts           Parts         Parts         Parts         Parts         Parts         Parts         Parts           Parts         Parts         Parts         Parts         Parts         Parts         Parts         Parts           Parts         Parts         Parts         Parts         Parts         Parts         Parts         Parts								
Preserv Code         0 - None         1 - HCI         2 - HSSO4         3 - HNO3         4 - NaOH         5 - 5035 Kit         X - Other (Specify)           Relinquished By         Date         Time         Received By         A - NaOH         5 - 5035 Kit         X - Other (Specify)           Constructions:         1/3 / 7         1/1 / 1         A - NaOH         Bate Required:         A - NaOH         Bate Required:         A - NaOH         A - Solid         X - Other (Specify)           Constructions:         A - A / 1 / 7         A / A / 1	Matrix Code	A - Aqueous	DW - Drinking Water		N N			
Relinquished By   Date   Time   Received By   Date   Time   Method of Shipmer	Preserv Code	0 - None	1-HCI		3 - HOU3	S-Solid	lio-o	X - Other (Specify)
1   1   1   1   1   1   1   1   1   1	Relinqui	shed By	Date				5 - 5035 Kit	X - Other (Specify)
Date Required:   131/7   11   12   14   17   12   14   17   15   14   17   15   14   17   15   14   17   15   15   15   15   15   15   15			1.75		Received By	Date	Time	Method of Shipment
1	2000		18/	2	Solars	1	MANI	
4 / 4 / 1   17 0   W   W   W   W   W   W   W   W   W	10000	3	4/17		N A	4/11/12	127	A
Turnacund Time: Standard T Rush OC Level On wet ice? Temperature (°C)  Date Required:		1	14/17	700	ALD I	1/3/2	600	_
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a	11 (				Date Required:	1 2 3 4 4	Yes	17.6
	of 1							
	1			)		Copies: Write - Client / Yellow - PAS, Inc. / Pink - Sampler	Ilow - PAS, Inc. / F	ink - Samular