



4401 S. Tucson Estates Parkway
Tucson, Arizona 85735
520.791.2544 Phone
520.791.5260 Fax

18 April 2017

Water Quality Compliance 5415B-1
Arizona Department of Environmental Quality
1110 West Washington Street
Tucson, AZ 85735
RE: Public School Lead Screening Program

Enclosed are the results for Work Order L170441, received by the laboratory on 03/28/2017 12:48. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michael E. Dew
Lab Manager

Tucson Water Quality Lab
4401 S. Tucson Estates Pkwy.
Tucson, AZ 85735
(520) 837-2455

Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix AZ, 85007

Project: Public School Lead Screening Program
Project Number: P01210
Project Manager: Water Quality Compliance 5415B-1

Reported:
04/18/2017 09:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Practice Gym East	L170441-01	Aqueous	03/21/2017 08:20	03/28/2017 12:48
Practice Gym W	L170441-02	Aqueous	03/21/2017 08:22	03/28/2017 12:48
Main Health Offc	L170441-03	Aqueous	03/21/2017 07:10	03/28/2017 12:48
Main Health Offc	L170441-04	Aqueous	03/21/2017 07:11	03/28/2017 12:48
100/1st flr	L170441-05	Aqueous	03/21/2017 07:20	03/28/2017 12:48
100/2nd flr	L170441-06	Aqueous	03/21/2017 07:30	03/28/2017 12:48
200/2nd flr	L170441-07	Aqueous	03/21/2017 07:32	03/28/2017 12:48
200/1st flr	L170441-08	Aqueous	03/21/2017 07:41	03/28/2017 12:48
Library 1st flr	L170441-09	Aqueous	03/21/2017 07:46	03/28/2017 12:48
Library Offc	L170441-10	Aqueous	03/21/2017 07:54	03/28/2017 12:48
300/1st flr	L170441-11	Aqueous	03/21/2017 08:06	03/28/2017 12:48
300/2nd flr	L170441-12	Aqueous	03/21/2017 08:14	03/28/2017 12:48
Cafeteria	L170441-13	Aqueous	03/21/2017 08:25	03/28/2017 12:48
Cafeteria	L170441-14	Aqueous	03/21/2017 08:28	03/28/2017 12:48
Auditorium	L170441-15	Aqueous	03/21/2017 08:40	03/28/2017 12:48
Auditorium	L170441-16	Aqueous	03/21/2017 08:48	03/28/2017 12:48
Concession	L170441-17	Aqueous	03/21/2017 08:58	03/28/2017 12:48
New Gym	L170441-18	Aqueous	03/21/2017 08:55	03/28/2017 12:48

Tucson Water Quality Laboratory



Michael E. Dew, Lab Manager

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Phoenix AZ, 85007

Project: Public School Lead Screening Program
Project Number: P01210
Project Manager: Water Quality Compliance 5415B-1

Reported:
04/18/2017 09:55

Practice Gym East
L170441-01 (Aqueous)

Sampled:
03/21/2017 8:20

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Arizona Department of Environmental Quality
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 Phoenix AZ, 85007

Project: Public School Lead Screening Program
 Project Number: P01210
 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/18/2017 09:55

Practice Gym W
L170441-02 (Aqueous)

Sampled:
 03/21/2017 8:22

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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 Phoenix AZ, 85007

Project: Public School Lead Screening Program
 Project Number: P01210
 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/18/2017 09:55

Main Health Offc
L170441-03 (Aqueous)

Sampled:
 03/21/2017 7:10

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00252	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Phoenix AZ, 85007

Project: Public School Lead Screening Program
Project Number: P01210
Project Manager: Water Quality Compliance 5415B-1

Reported:
04/18/2017 09:55

Main Health Offc
L170441-04 (Aqueous)

Sampled:
03/21/2017 7:11

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00350	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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 Phoenix AZ, 85007

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 Project Number: P01210
 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/18/2017 09:55

100/1st flr
L170441-05 (Aqueous)

Sampled:
 03/21/2017 7:20

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00154	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Reported:
 04/18/2017 09:55

100/2nd flr
L170441-06 (Aqueous)

Sampled:
 03/21/2017 7:30

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Project Number: P01210
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Reported:
04/18/2017 09:55

200/2nd flr
L170441-07 (Aqueous)

Sampled:
03/21/2017 7:32

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.0109	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Reported:
 04/18/2017 09:55

200/1st flr
L170441-08 (Aqueous)

Sampled:
 03/21/2017 7:41

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Project Number: P01210
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Reported:
04/18/2017 09:55

Library 1st flr
L170441-09 (Aqueous)

Sampled:
03/21/2017 7:46

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00152	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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 Project Number: P01210
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Reported:
 04/18/2017 09:55

Library Offc
L170441-10 (Aqueous)

Sampled:
 03/21/2017 7:54

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00308	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Reported:
 04/18/2017 09:55

300/1st flr
L170441-11 (Aqueous)

Sampled:
 03/21/2017 8:06

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Arizona Department of Environmental Quality 1110 West Washington Street Phoenix AZ, 85007	Project: Public School Lead Screening Program Project Number: P01210 Project Manager: Water Quality Compliance 5415B-1	Reported: 04/18/2017 09:55
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300/2nd flr
L170441-12 (Aqueous)

Sampled:
 03/21/2017 8:14

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Project: Public School Lead Screening Program
Project Number: P01210
Project Manager: Water Quality Compliance 5415B-1

Reported:
04/18/2017 09:55

Cafeteria
L170441-13 (Aqueous)

Sampled:
03/21/2017 8:25

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Reported:
 04/18/2017 09:55

Cafeteria
L170441-14 (Aqueous)

Sampled:
 03/21/2017 8:28

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00195	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Reported:
04/18/2017 09:55

Auditorium
L170441-15 (Aqueous)

Sampled:
03/21/2017 8:40

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	0.00389	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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 Project Number: P01210
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Reported:
 04/18/2017 09:55

Auditorium
L170441-16 (Aqueous)

Sampled:
 03/21/2017 8:48

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Project: Public School Lead Screening Program
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Reported:
 04/18/2017 09:55

Concession
L170441-17 (Aqueous)

Sampled:
 03/21/2017 8:58

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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Project: Public School Lead Screening Program
 Project Number: P01210
 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/18/2017 09:55

New Gym
L170441-18 (Aqueous)

Sampled:
 03/21/2017 8:55

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

Tucson Water Quality Laboratory

Total Metals by ICPMS

LEAD	ND	0.00100	mg/L	1	BD71002	04/07/2017	04/07/2017	EPA 200.8
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 Project Number: P01210
 Project Manager: Water Quality Compliance 5415B-1

Reported:
 04/18/2017 09:55

Total Metals by ICPMS - Quality Control

Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (BD71002-MS1)		Source: L170441-01		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.0102	0.00101	mg/L	0.0101	0.000600	95.2	70-130			
Matrix Spike (BD71002-MS2)		Source: L170441-11		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.00997	0.00101	mg/L	0.0101	0.000562	93.1	70-130			
Matrix Spike (BD71002-MS3)		Source: L170442-03		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.00996	0.00101	mg/L	0.0101	0.000342	95.2	70-130			
Matrix Spike (BD71002-MS5)		Source: L170442-23		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.00980	0.00101	mg/L	0.0101	0.000176	95.3	70-130			
Matrix Spike (BD71002-MS6)		Source: L170442-33		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.0106	0.00101	mg/L	0.0101	0.00127	92.3	70-130			

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 04/18/2017 09:55

Total Metals by ICPMS - Quality Control

Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (BD71002-MS7)		Source: L170442-43		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.0102	0.00101	mg/L	0.0101	0.000767	93.5	70-130			
Matrix Spike (BD71002-MS8)		Source: L170442-13RE1		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.0631	0.00500	mg/L	0.0100	0.0535	95.2	70-130			
Matrix Spike Dup (BD71002-MSD1)		Source: L170441-01		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.0102	0.00101	mg/L	0.0101	0.000600	94.9	70-130	0.297	10	
Matrix Spike Dup (BD71002-MSD2)		Source: L170441-11		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.00993	0.00101	mg/L	0.0101	0.000562	92.7	70-130	0.376	10	
Matrix Spike Dup (BD71002-MSD3)		Source: L170442-03		Prepared & Analyzed: 04/07/2017						
Batch BD71002 - EPA 200.7/200.8										
LEAD	0.00995	0.00101	mg/L	0.0101	0.000342	95.1	70-130	0.0913	10	

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Project Number: P01210
Project Manager: Water Quality Compliance 5415B-1

Reported:
04/18/2017 09:55

Total Metals by ICPMS - Quality Control

Tucson Water Quality Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Matrix Spike Dup (BD71002-MSD5)

Source: L170442-23

Prepared & Analyzed: 04/07/2017

Batch BD71002 - EPA 200.7/200.8

LEAD	0.00978	0.00101	mg/L	0.0101	0.000176	95.1	70-130	0.206	10
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Matrix Spike Dup (BD71002-MSD6)

Source: L170442-33

Prepared & Analyzed: 04/07/2017

Batch BD71002 - EPA 200.7/200.8

LEAD	0.0106	0.00101	mg/L	0.0101	0.00127	91.9	70-130	0.296	10
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Matrix Spike Dup (BD71002-MSD7)

Source: L170442-43

Prepared & Analyzed: 04/07/2017

Batch BD71002 - EPA 200.7/200.8

LEAD	0.0102	0.00101	mg/L	0.0101	0.000767	93.4	70-130	0.0890	10
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Matrix Spike Dup (BD71002-MSD8)

Source: L170442-13RE1

Prepared & Analyzed: 04/07/2017

Batch BD71002 - EPA 200.7/200.8

LEAD	0.0630	0.00500	mg/L	0.0100	0.0535	94.8	70-130	0.0634	10
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Arizona Department of Environmental Quality	Project: Public School Lead Screening Program	
1110 West Washington Street	Project Number: P01210	Reported:
Phoenix AZ, 85007	Project Manager: Water Quality Compliance 5415B-1	04/18/2017 09:55

Certified Analyses included in this Report

Analyte	Certifications
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Code	Description	Number	Expires
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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tucson Water Quality Lab
4401 S. Tucson Estates Pkwy.
Tucson, AZ 85735
(520) 837-2455

Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix AZ, 85007

Project: Public School Lead Screening Program
Project Number: P01210
Project Manager: Water Quality Compliance 5415B-1

Reported:
04/18/2017 09:55

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
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TUCSON WATER CHAIN OF CUSTODY

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LOGIN ID: <u>L1704X</u> ⁴ <u>FW</u> <u>3-30-17</u>				PRESERVATIVE NUMBER OF CONTAINERS Pb (200.8) COMPLIANCE (Y / N)	PROPERTY NAME ADDRESS PROPERTY TYPE COMMENTS
CLIENT: ADEQ					
PROJECT NAME/FREQUENCY: Public School Lead Screening Program					
PROJECT #: P01210					
SAMPLING DATE: <u>03-21-17</u>					
SAMPLED BY: print full name <u>TUSD Antonio Zavala</u> signature <u>[Signature]</u>					
SAMPLE #	TIME	LOCATION	SITE	CPMS	
-01	08:20	Practice Gym East	01	1	X N
-02	08:22	Practice Gym W	02	1	X N
-03	07:10	Main Health Ofc	03	1	X N
-04	07:11	Main Health Ofc	04	1	X N
-05	07:20	100/1st Flr.	05	1	X N
-06	07:30	100/2nd Flr.	06	1	X N
-07	07:32	200/2nd Flr	07	1	X N
-08	07:41	200/1st Flr	08	1	X N
-09	07:46	Library 1st Flr	09	1	X N
-10	07:54	Library Ofc	10	1	X N
-11	08:06	300/1st Flr.	11	1	X N
-12	08:14	300/2nd Flr.	12	1	X N
-13	08:25	Cafeteria	13	1	X N
-14	08:28	Cafeteria	14	1	X N
-15	08:40	Auditorium	15	1	X N
CONTACT: TINA COOK 225-4673					
COMMENTS:					
SIGNATURE		DATE/TIME		SIGNATURE	
RELINQUISHED BY:		03-28-17 11:08		RECEIVED BY:	
RELINQUISHED BY:		03-28-17 12:40		RECEIVED BY:	
RELINQUISHED BY:				RECEIVED BY:	

25.0°C

TUCSON WATER CHAIN OF CUSTODY

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LOGIN ID: <u>L1704X1</u> ⁴ <u>FW</u> <u>3-30-17</u> CLIENT: ADEQ PROJECT NAME/FREQUENCY: Public School Lead Screening Program PROJECT #: P01210 SAMPLING DATE: <u>03-21-17</u> SAMPLED BY: print full name <u>THSD- Antonio Zavala</u> signature				PRESERVATIVE	NUMBER OF CONTAINERS	Pb (200.8)	COMPLIANCE (Y / N)	PROPERTY NAME	ADDRESS	PROPERTY TYPE	COMMENTS				
SAMPLE #	TIME	LOCATION	SITE		CPMS										
16 -01	08:48	Auditorium	16	1	X	N		Santa Rita H.S.	3951 S. Pantano Rd	THSD	et's drinking fountain				
17 -02	08:58	Concession	17	1	X	N		↓	↓	↓	drinking fountain				
18 -03	08:55	New Gym	18	1	X	N		↓	↓	↓	↓				
-04															
-05															
-06															
-07															
-08															
-09															
-10															
-11															
-12															
-13															
-14															
-15															
COMMENTS:				CONTACT: TINA COOK 225-4673											
SIGNATURE				DATE/TIME				SIGNATURE				DATE/TIME			
RELINQUISHED BY:								RECEIVED BY:				03-28-17 09:40			
RELINQUISHED BY:				03-28-17 11:09				RECEIVED BY:				03-28-17 11:09			
RELINQUISHED BY:				03-28-17 12:40				RECEIVED BY:				03/28/17 12:48			

25.0°C

Lg 03-28-17