GUARDIAN SYSTEMS, INC.

1108 Ashville Road
P.O. Box 190
Leeds, Alabama 35094

Telephone (205) 699-6647
Toll Free (866) 729-7211
Fax (205) 699-3882

City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 001
Sampler : DB
Sample ID: LC-MP-1

Sample Date: 02/21/2019
Sample Time: 15:12

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.40	SU	DB	02/21/2019	15:12	150.1	(1)
Turbidity, Nephelometric	28.4	NTU	DB	02/21/2019	15:12	180.1	
Conductance, Sp. (field)	174.4	umhos	DB	02/21/2019	15:12	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	296.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	91.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	31.0	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	3.19	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.71	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
4. 1987 ASTM Annual Standards
5. Code of Federal Regulations, Title 40, Part 136, Appendix A, Revised July 1995
6. Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July 1991, August 1995
7. NIOSH Manual of Anaytical Methods, 4th Edition, May 1996

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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 002
Sampler : DB
Sample ID: LC-MP-2

Sample Date: 02/21/2019
Sample Time: 15:04

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.43	SU	DB	02/21/2019	15:04	150.1	(1)
Turbidity, Nephelometric	27.5	NTU	DB	02/21/2019	15:04	180.1	
Conductance, Sp. (field)	174.9	umhos	DB	02/21/2019	15:04	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	288.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	90.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	30.8	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	3.21	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.37	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 003
Sampler : DB
Sample ID: LC-MP-3

Sample Date: 02/21/2019
Sample Time: 14:53

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.36	SU	DB	02/21/2019	14:53	150.1	(1)
Turbidity, Nephelometric	29.2	NTU	DB	02/21/2019	14:53	180.1	
Conductance, Sp. (field)	178.7	umhos	DB	02/21/2019	14:53	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	279.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	92.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	31.6	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	3.30	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.53	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 004
Sampler : DB
Sample ID: LC-SS-6

Sample Date: 02/21/2019
Sample Time: 15:25

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.39	SU	DB	02/21/2019	15:25	150.1	(1)
Turbidity, Nephelometric	28.7	NTU	DB	02/21/2019	15:25	180.1	
Conductance, Sp. (field)	173.8	umhos	DB	02/21/2019	15:25	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	311.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	88.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	30.3	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	3.07	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.50	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 005
Sampler : DB
Sample ID: LC-SS-7

Sample Date: 02/21/2019
Sample Time: 15:36

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.47	SU	DB	02/21/2019	15:36	150.1	(1)
Turbidity, Nephelometric	29.0	NTU	DB	02/21/2019	15:36	180.1	
Conductance, Sp. (field)	167.7	umhos	LAB	02/21/2019	15:36	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	310.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	84.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	28.8	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	2.96	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.28	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 006
Sampler : DB
Sample ID: LC-SS-9

Sample Date: 02/21/2019
Sample Time: 15:55

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.50	SU	DB	02/21/2019	15:55	150.1	(1)
Turbidity, Nephelometric	26.9	NTU	DB	02/21/2019	15:55	180.1	
Conductance, Sp. (field)	166.7	umhos	DB	02/21/2019	15:55	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	289.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	83.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	28.2	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	2.96	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.59	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
4. 1987 ASTM Annual Standards
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 007
Sampler : DB
Sample ID: LC-SS-10

Sample Date: 02/21/2019
Sample Time: 15:59

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.39	SU	DB	02/21/2019	15:59	150.1	(1)
Turbidity, Nephelometric	27.1	NTU	DB	02/21/2019	15:59	180.1	
Conductance, Sp. (field)	166.8	umhos	DB	02/21/2019	15:59	120.1	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Color, APHA	280.	PCU	AH	02/22/2019	15:30	110.2	(1)
Hardness, Total	97.	mg/L	DRH	02/22/2019	14:00	200.7	
Calcium	33.6	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	3.25	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.11	mg/L	DRH	02/22/2019	14:00	200.7	(1)

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 008
Sampler : DB
Sample ID: DC-SS-3

Sample Date: 02/21/2019
Sample Time: 14:21

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.20	SU	DB	02/21/2019	14:21	150.1	(1)
Turbidity, Nephelometric	30.2	NTU	DB	02/21/2019	14:21	180.1	
Conductance, Sp. (field)	163.	umhos	DB	02/21/2019	14:21	120.1	(1)
Color, APHA	256.	PCU	AH	02/22/2019	15:30	110.2	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Calcium	13.9	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	2.71	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.79	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Hardness, Total	46.	mg/L	DRH	02/22/2019	14:00	200.7	

This Certificate is Continued On Next Page.

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
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City of Leeds
City of Leeds
1040 Park Drive
Leeds, AL 35094
Attention: Mr. Brad Watson

Report Date: 02/28/2019
Receive Date: 02/21/2019
Receive Time: 16:55

Control No : 1902-00368 Sample # 009
Sampler : DB
Sample ID: DC-SS-4

Sample Date: 02/21/2019
Sample Time: 14:28

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
pH	7.40	SU	DB	02/21/2019	14:28	150.1	(1)
Turbidity, Nephelometric	25.7	NTU	DB	02/21/2019	14:28	180.1	
Conductance, Sp. (field)	150.1	umhos	DB	02/21/2019	14:28	120.1	(1)
Color, APHA	260.	PCU	AH	02/22/2019	15:30	110.2	(1)
Nitrogen, Ammonia	<0.1	mg/L	TLB	02/27/2019	13:35	350.2	(1)
Calcium	14.7	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Magnesium	2.81	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Potassium	1.59	mg/L	DRH	02/22/2019	14:00	200.7	(1)
Hardness, Total	48.	mg/L	DRH	02/22/2019	14:00	200.7	

Approved By: Linda Hicks Miller
TWD

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
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Chain of Custody Record/ Analysis Report

Client:	Mr. Brad Watson	Phone:	
Company:	City of Leeds	Fax:	
Address:	1040 Park Drive	P.O.#:	
	Leeds, AL 35094	Project:	2019 1st Semester Stormwater- WET

Sample ID	Sample Description	Sample Date	Sample Time	Sample: Comp.*	Sample: Grab	Bottle: Glass	Bottle: Plastic	Preservative: HCl	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: NaOH	Preservative: Cool 4°C	Preservative: Other**	Analysis Requested					
	LCMP1	2-21-19	3:12											Field pH:			7.40		
														Field Turbidity:			28.4		
														Field Conductivity:			~~195~~ 174.4 uS		
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					
	LCMP2	2-21-19	3:04											Field pH:			7.43		
														Field Turbidity:			27.5		
														Field Conductivity:	174.9		~~195~~ 174.9 uS		
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					

Sampled by:	Dale Brakhage (PRINT) / Dale Brakhage (SIGN)			Relinquished by: Dale Brakhage	Date: 2-21-19 Time: 16:55
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received for Laboratory by:	Lori Bynum	Date: 21FEB19	Time: 1455		

Was Shipped Container intact when received? Yes ✓ No ___ Initials VB Seals intact? Yes NA No ___

Were all samples properly preserved? Yes ✓ No ___ Initials VB Sample temp. 6.1 °C

Comments: Other = See Above for Sample Preservatives, Field Measurements

PH Meter Calibration Info	Buffer Traceability #	Exp. Date
Buffer #: 3.92 (4.00)	INRE 1808 2002	2-29-20
Buffer #: 7.00 (7.00)	INRE 1806 2901	8-31-19
Buffer #: 9.98 (10.00)	INRE 1806 0502	3-27-19
Turbidity Meter Calibration Info	**Standard Traceability #**	**Exp. Date**
Standard # 800	C800187	May'19
Standard # 100	C800769	May'19
Standard # 20	C800185	May'19
Standard # .02	C800 48	May'19

QC Sample	
Traceability #	INRC 1808 0801
pH:	6.42 (6.38)
Turb:	

Technician Information	
Calibrated by:	Dale Brakhage
Calibration Time:	2:05
Calibration Date:	2-21-19
Calibration Temp:	67°F

Notes:

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Chain of Custody Record/ Analysis Report

Client:	Mr. Brad Watson	Phone:	
Company:	City of Leeds	Fax:	
Address:	1040 Park Drive	P.O.#:	
	Leeds, AL 35094	Project:	2019 1st Semester Stormwater- WET

Sample ID	Sample Description	Sample Date	Sample Time	Sample: Comp.*	Sample: Grab	Bottle: Glass	Bottle: Plastic	Preservative: HCl	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: NaOH	Preservative: Cool 4°C	Preservative: Other**	Analysis Requested			
	LCMP3	2-21-19	2:53											Field pH:		7.36	
														Field Turbidity:		29.2	
														Field Conductivity:	178.7 uS	194 ~~uS~~ 68	
					X		X					X		APHA Color			
					X		X			X		X		Ammonia			
					X		X					X		Hardness. Ca. Mg. K			
	LC 556	2-21-19	3:25											Field pH:		7.39	
														Field Turbidity:		28.7	
														Field Conductivity:	173.8 uS	193 ~~uS~~	
					X		X					X		APHA Color			
					X		X			X		X		Ammonia			
					X		X					X		Hardness. Ca. Mg. K			

Sampled by:	Dale Brakhage (PRINT)	Dale Brakhage (SIGN)	Relinquished by:	Dale Brakhage	Date: 2-21-19 Time: 16:55
Received by:		Date: Time:	Relinquished by:		Date: Time:
Received by:		Date: Time:	Relinquished by:		Date: Time:
Received for Laboratory by:	Lori Bronner	Date: 21 Feb 19 Time: 1655			
Was Shipped Container intact when received?	Yes ✓ No ___ Initials LB		Seals intact? Yes NA No ___		
Were all samples properly preserved?	Yes ___ / No ___ Initials LB		Sample temp. 6.1 °C		
Comments:	Other = See Above for Sample Preservatives, Field Measurements				

PH Meter Calibration Info	Buffer Traceability #	Exp. Date
Buffer #: 3.92 (4.00)	INRE 1808 2002	2-29-20
Buffer #: 7.00 (7.00)	INRE 1806 2901	8-31-19
Buffer #: 9.98 (10.00)	INRE 1806 0502	3-27-19
Turbidity Meter Calibration Info	**Standard Traceability #**	**Exp. Date**
Standard # 800	C500187	May 2019
Standard # 100	C500769	May 2019
Standard # 20	C500185	May 2019
Standard # -02	C500148	May 2019

QC Sample	
Traceability #	INRC 1808 0801
pH:	6.42 (6.38)
Turb:	

Technician Information	
Calibrated by:	Dale Brakhage
Calibration Time:	2:05
Calibration Date:	2-21-19
Calibration Temp:	67°F

Notes:

Guardian Systems, Inc.
1108 Ashville Road, P.O. Box 190
Leeds, Alabama 35094
(205) 699-6647
email: gsi@gsilab.com
(205) 699-3882 Fax
www.gsilab.com

Chain of Custody Record/ Analysis Report

Client:	Mr. Brad Watson	Phone:	
Company:	City of Leeds	Fax:	
Address:	1040 Park Drive	P.O.#:	
	Leeds, AL 35094	Project:	2019 1st Semester Stormwater- WET

Sample ID	Sample Description	Sample Date	Sample Time	Sample: Comp.*	Sample: Grab	Bottle: Glass	Bottle: Plastic	Preservative: HCl	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: NaOH	Preservative: Cool 4°C	Preservative: Other **	Analysis Requested					
	LC 557	2-21-19	3:36											Field pH:			7.47		
														Field Turbidity:			291.0		
														Field Conductivity:	167.7 µS		~~1999 µS~~	GB	
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					
	LC 559	2-21-19	3:55											Field pH:			7.50		
														Field Turbidity:			26.9		
														Field Conductivity:			1667 µS		
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					

Sampled by:	Dale Brakhage (PRINT)	Dale Brakhage (SIGN)	Relinquished by:	Dale Brakhage	Date: 2-21-19 Time: 16:55
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received for Laboratory by:	Keri Poynter	Date: 21Feb19	Time: 1655		

Was Shipped Container intact when received? Yes ✓ No ___ Initials IB Seals intact? Yes NA No ___

Were all samples properly preserved? Yes ✓ No ___ Initials IB Sample temp. 6.1 °C

Comments: Other = See Above for Sample Preservatives, Field Measurements

PH Meter Calibration Info	Buffer Traceability #	Exp. Date
Buffer #: 3.92 (4.00)	iNRE 1808 2002	2-29-20
Buffer #: 7.00 (7.00)	iNRE 1806 2901	5-31-19
Buffer #: 9.98 (10.00)	iNRE 1806 0502	3-27-19
Turbidity Meter Calibration Info	**Standard Traceability #**	**Exp. Date**
Standard # 800	C800187	May 2019
Standard # 100	C800769	May 2019
Standard # 20	C800185	May 2019
Standard # .02	C80048	May 2019

QC Sample	
Traceability #	iNGC 1808 0801
pH:	6.42 (6.38)
Turb:	

Technician Information	
Calibrated by:	Dale Brakhage
Calibration Time:	2:05
Calibration Date:	2-21-19
Calibration Temp:	67°F

Notes:

Guardian Systems, Inc.
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Chain of Custody Record/ Analysis Report

Client:	Mr. Brad Watson	Phone:	
Company:	City of Leeds	Fax:	
Address:	1040 Park Drive	P.O.#:	
	Leeds, AL 35094	Project:	2019 1st Semester Stormwater- WET

Sample ID	Sample Description	Sample Date	Sample Time	Sample: Comp.*	Sample: Grab	Bottle: Glass	Bottle: Plastic	Preservative: HCl	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: NaOH	Preservative: Cool 4°C	Preservative: Other **	Analysis Requested					
	LC 5510	2-21-19	3:59											Field pH:			7.39		
														Field Turbidity:			27.1		
														Field Conductivity:			166.8uS		
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					
	DC 553	2-21-19	2:21											Field pH:			7.20		
														Field Turbidity:			30.2		
														Field Conductivity:			163 uS		
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					

Sampled by:	Dale Brakhage (PRINT)	Dale Brakhage (SIGN)	Relinquished by:	Dale Brakhage	Date: 2-21-19 Time: 16:55
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received for Laboratory by:	Lori Pommer	Date: 21 FEB 19	Time: 1605		

Was Shipped Container intact when received? Yes ✓ No ___ Initials LB Seals intact? Yes NA No ___

Were all samples properly preserved? Yes ✓ No ___ Initials LB Sample temp. 6.1 °C

Comments: Other = See Above for Sample Preservatives, Field Measurements

PH Meter Calibration Info	Buffer Traceability #	Exp. Date
Buffer #: 3.92 (4.00)	INRE 1808 2002	2-29-20
Buffer #: 7.00 (7.00)	INRE 1806 2901	8-31-19
Buffer #: 9.98 (10.00)	INRE 1806 0502	3-27-19
Turbidity Meter Calibration Info	**Standard Traceability #**	**Exp. Date**
Standard # 800	C800187	Mar 2019
Standard # 100	C800769	Mar 2019
Standard # 20	C800185	Mar 2019
Standard # .02	C80048	Mar 2019

QC Sample	
Traceability #	INRC 1808 0801
pH:	6.42 (6.38)
Turb:	

Technician Information	
Calibrated by:	Dale Brakhage
Calibration Time:	2:05
Calibration Date:	2-21-19
Calibration Temp:	67°F

Notes:

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Chain of Custody Record/ Analysis Report

Client:	Mr. Brad Watson	Phone:	
Company:	City of Leeds	Fax:	
Address:	1040 Park Drive	P.O.#:	
	Leeds, AL 35094	Project:	2019 1st Semester Stormwater- WET

Sample ID	Sample Description	Sample Date	Sample Time	Sample: Comp.*	Sample: Grab	Bottle: Glass	Bottle: Plastic	Preservative: HCl	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: NaOH	Preservative: Cool 4°C	Preservative: Other **	Analysis Requested					
	DC 554	2-21-19	2:28											Field pH:			7.40		
														Field Turbidity:			25.7		
														Field Conductivity:			150.1		
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					
														Field pH:					
														Field Turbidity:					
														Field Conductivity:					
					X		X					X		APHA Color					
					X		X			X		X		Ammonia					
					X		X					X		Hardness. Ca. Mg. K					

Sampled by:	Dale Bradshaw (PRINT)	Dale Bradshaw (SIGN)	Relinquished by:	Dale Bradshaw	Date: 2-21-19 Time: 16:55
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received by:		Date:	Time:	Relinquished by:	Date: Time:
Received for Laboratory by:		Date: 21 Feb 19	Time: 1455		
Was Shipped Container intact when received?	Yes ✓ No ___ Initials LB		Seals intact? Yes NA No ___		
Were all samples properly preserved?	Yes ✓ No ___ Initials LB		Sample temp. 6.1 °C		
Comments:	Other = See Above for Sample Preservatives, Field Measurements				

PH Meter Calibration Info	Buffer Traceability #	Exp. Date
Buffer #: 3.92 (4.00)	INRE 1808 2002	2-29-20
Buffer #: 7.00 (7.00)	INRE 1806 2901	8-31-19
Buffer #: 9.98 (10.00)	INRE 1806 1502	3-27-19
Turbidity Meter Calibration Info	**Standard Traceability #**	**Exp. Date**
Standard # 800	C800187	Mar '19
Standard # 100	C800769	Mar '19
Standard # 20	C800185	Mar '19
Standard # .02	C80048	Mar '19

QC Sample	
Traceability #	INRC 1808 0801
pH:	6.42 (6.38)
Turb:	

Technician Information	
Calibrated by:	Dale Bradshaw
Calibration Time:	2:05
Calibration Date:	2-21-19
Calibration Temp:	67°F

Notes: