From: Eggleston, Marybeth

To: <u>Jamie Belcourt (adpce.ad)</u>; <u>Caipen, Beth</u>

Cc: Foreman, Mitch; Stacie Wassell (adpce.ad); David Ramsey (adpce.ad); Richard Healey (adpce.ad); Zachary

Carroll (adpce.ad); Bryan Leamons (adpce.ad)

Subject: RE: NLR Wastewater Utilities - 2021/2022 Pretreatment Program Annual Reports - NPDES Permits AR0020303,

AR0020320, AR0038288 & AR0033626

Date: Friday, April 14, 2023 3:15:07 PM

Attachments: <u>image002.png</u>

2021 Sampling Results.pdf 2022 Sampling Results.pdf NOV 2021-2022.pdf Corrected Maumelle 2021.pdf

Ms. Belcourt,

We have not received a response from the contracted lab (ESC) verifying the 2021 second quarter Lead and Cadmium results for all for NLRW treatment plants.

I have attached the 2021 and 2022 sampling analytical data with chain of custodies for all NLRW treatment plants and Notices of Violation for all non-compliant SIUs for 2021 and 2022 you requested. I also attached a corrected Maumelle 2021 monitoring results report. We found a data entry mistake for the 2/2/2021 Antimony during our review.

Mitch Forman and I left you a voicemail this morning. We would like to talk to you regarding the Lead and Cadmium explanation and the MQLs. I will be out of the office next week, but Mitch Foreman will be available.

Thank you,

Marybeth Eggleston
Environmental Compliance & Safety Manager
North Little Rock Wastewater
7400 Baucum Pike
(PO Box 17898)
North Little Rock, AR 72117
501-945-7186



From: Jamie Belcourt (adpce.ad) <jamie.belcourt@adeq.state.ar.us>

Sent: Thursday, April 13, 2023 3:27 PM **To:** Caipen, Beth <BCaipen@nlrwu.com>

Cc: Foreman, Mitch <MForeman@nlrwu.com>; Eggleston, Marybeth <MEggleston@nlrwu.com>; Stacie Wassell (adpce.ad) <Stacie.Wassell@adeq.state.ar.us>; David Ramsey (adpce.ad) <David.E.Ramsey@adeq.state.ar.us>; Richard Healey (adpce.ad) <Richard.Healey@adeq.state.ar.us>; Zachary Carroll (adpce.ad) <Zachary.Carroll@adeq.state.ar.us>; Bryan Leamons (adpce.ad)

<Bryan.Leamons@adeq.state.ar.us>

Subject: RE: NLR Wastewater Utilities - 2021/2022 Pretreatment Program Annual Reports - NPDES Permits AR0020303, AR0020320, AR0038288 & AR0033626

Ms. Caipen,

Do you have an update from your lab?

Thank you,

Jamie Belcourt | State Pretreatment Coordinator

Division of Environmental Quality | Office of Water Quality Policy and Administration

5301 Northshore Drive | North Little Rock, AR 72118 t: 501.682.0858 | c: 501.287.8714 | e: jamie.belcourt@adeq.state.ar.us



From: Caipen, Beth [mailto:BCaipen@nlrwu.com]

Sent: Friday, April 7, 2023 8:58 AM **To:** Jamie Belcourt (adpce.ad)

Cc: Foreman, Mitch; Eggleston, Marybeth; Stacie Wassell (adpce.ad); David Ramsey (adpce.ad); Richard

Healey (adpce.ad); Zachary Carroll (adpce.ad); Bryan Leamons (adpce.ad)

Subject: RE: NLR Wastewater Utilities - 2021/2022 Pretreatment Program Annual Reports - NPDES

Permits AR0020303, AR0020320, AR0038288 & AR0033626

Jamie

We have contacted the lab (ESC) to verify the results for the lead and cadmium on 2/2/2021. Hopefully, they will get back with us in regard to our request. As soon as we hear from them, we will send you all the information you asked for. Thank you for your patience.

Beth

Beth Caipen
Pretreatment Clerk
North Little Rock Wastewater
7400 Baucum Pike
(PO Box 17898)
North Little Rock, AR 72117
501-945-7186



From: Jamie Belcourt (adpce.ad) < <u>iamie.belcourt@adeg.state.ar.us</u>>

Sent: Monday, April 3, 2023 9:18 AM **To:** Caipen, Beth < <u>BCaipen@nlrwu.com</u>>

Cc: Foreman, Mitch < MForeman@nlrwu.com>; Eggleston, Marybeth < MEggleston@nlrwu.com>;

Stacie Wassell (adpce.ad) < Stacie Wassell@adeq.state.ar.us; David Ramsey (adpce.ad)

<David.E.Ramsey@adeq.state.ar.us>; Richard Healey (adpce.ad) < Richard.Healey@adeq.state.ar.us>;

Zachary Carroll (adpce.ad) < Zachary.Carroll@adeq.state.ar.us; Bryan Leamons (adpce.ad)

<<u>Bryan.Leamons@adeq.state.ar.us</u>>

Subject: NLR Wastewater Utilities - 2021/2022 Pretreatment Program Annual Reports - NPDES Permits AR0020303, AR0020320, AR0038288 & AR0033626

Hello,

North Little Rock Wastewater Utilities' (NLRWU) January 1, 2022 – December 31, 2022 Pretreatment Program Annual Report (NPDES Permits AR0020303, AR0020320, AR0038288 & AR0033626) was received and reviewed. In addition, the Pretreatment Program Annual Report for the January 1, 2021 - December 31, 2021 reporting year was reviewed.

Please provide Notices of Violation for all noncompliant SIUs for the 2021 and 2022 reporting years, an explanation for >1,000 μ g/I Lead and Cadmium results at several of NLRWU plants on February 2, 2021, and meeting the required MQLs in the effluent samples at all plants.

Further, please submit for review the complete influent and effluent sampling analytical data, along with chain of custody, for the samples taken on the dates below at all treatment plants.

- February 2, 2021
- May 5, 2021
- August 10, 2021
- October 27, 2021
- January 5, 2022
- May 10, 2022
- August 16, 2022
- October 26, 2022

Thank you,

Jamie Belcourt | State Pretreatment Coordinator

Division of Environmental Quality | Office of Water Quality

Policy and Administration

5301 Northshore Drive | North Little Rock, AR 72118

t: 501.682.0858 | c: 501.287.8714 | e: jamie.belcourt@adeq.state.ar.us



Corporate Office 13715 West Markham Little Rock, AR 72211 . (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

> Control Number: 2102010046 Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR00020303 Report Date : 02/19/21

Composite Date:02/01/21 -02/02/21 Sample Time: 0800-0800/0800(02/02 Sample Type: COMP/GRAB WWATER Sample From: FLI-WTR-MCR-Q1-21

Work Order : Purchase Order :

Collected By: JASON BARRETT Delivery By : WGW

Quality Assurance	Accuracy	* Recovery	112.3 *	106.7 *	* 8.8	111.2 *	111.1 *	108.3 *	112.6 *	103.8 *	101.9 *	114.2 *	* 6.8	* 1.001	86.4 *	* 0.76	* 6.16	* 6.96
Quality	Precision	% RPD	2.29	2.99	3.39	1.55	0.95	0.97	9.49	3.60	10.37	0.63	6.51	4.00	5.69	0.14	1.35	0.01
		Method	EPA 200.8	SM 1999 4500-CN E	EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 245.1	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
		Notes																
Laboratory Analysis		Result	< 0.0040 mg/L	< 0.0100 mg/L	0.09 mg/L	0900	< 0.0064 mg/L	1174	0.1134 mg/L	< 0.0070 mg/L	0.0163 mg/L	0.0248 mg/L	0.0063 mg/L	< 0.0064 mg/L	< 0.0010 mg/L	1105	< 0.0040 mg/L	1436
Ä		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
,	Œ	Date Time By		0320		1308	1128		1308	1308	1308 KNM	1308 KNM	1308 KNM	1308	1206	1308	1308	02/08 1128 KNM

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included equipment used is checked and/or All

Signature MAW

Environmental Services Co., Inc

En mental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

)	Client Information				Pro	ject Info	Project Information			E	edne	sted F	Requested Parameters	S
Client:	North Little Rock WWU/Faulkn	WWU/Faulk	ner Lake	Permit/Project #:	ject #:									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	210229	6							
	North Little Rock, AR	AR 72117		Work Order #	# 15									
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jason	Jason Browell				(s)			
Fах:	501-945-2367				,	B) non	4			men			
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	7	Berni				moC		_	
ESC Client Number:	2456 Influent Quarterly	terly				no	anno	2		_	_		_	
Sample Identification	ıtification		Sample (Collection	3	2.	Sample C	Sample Containers		əpin	slon 3) sle			
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	ive #		_			
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FLI- WIR- MCR-01-21		2/2/21	0300	Grab	Wwater	Glass	1 Liter	1 Liter V cus04+H2SO4	-		×			
FIT WIR MCR - G12	7	22/2	0900-m	Composite	Wwater	Plastic	8 oz HNO3	HN03	-		×			Ι
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Relinquished By. (Signature and Printed Name)	Nelle antille Abs	1/1/21	Time 1.07.0)	Received for Late	S. S. S. S.	Printed Name		2 Pate 2	Time (07.0)	Were St	samples pr	roperly p	Were samples properly preserved:	
Cool all samples to ≰6 degrees ∪ with ice	es C with Ice. * 7				Flow Data		Field Test	Time	Analyst	Result	Result	5	Units	Γ
Comments: Be(4.HW), N	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Agr Ti(81.HW), Pb(82.HW), Hg (50.15)	ks(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:	Ì						H		П
Cr(24.HW),	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), S	Mo(42.HW), S	b(51.HW), 00.HG, 00.MD		Reading:	T					-	T		Τ
					Units:									
					Chlorinated?	Z >	Fecal Start:			This C	This Document is Page (ent is P	age to	



Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Sample Time: 0735-0735/0735(02/02 Sample Type: COMP/0735 : FLE-WTR-MCR Q1-21 Sample From 五子子 Customer Name : NORTH LITTLE ROCK-FAULKNER Customer/Permit No. : 2455 / AR00020303 Control Number: 2102010044 Report Date: 03/08/21

Work Order : Purchase Order :

Collected By: JASON BARRETT

Delivery By : WGW

Quality Assurance	Accuracy	% Recovery	112.3 *	106.7	* 0.86	108.0	91.0	111,2 *	102.0 *	N/A *	111.1 *	108.3 *	112.6 *	103.8 *	101.9 *	114.2 *	83.9	* 1.46	* 0.76	91.9 *	* 6.96	100.0 *
Quality	Precision	% RPD	2.29	2.99	1.48	1.70	10.53	1.55	1.93	7.07	0.95	0.97	9.49	3.60	10.37	0.63	6.45	0.08	0.14	1.07	0.01	8.16
		Method	EPA 200.8	SM 1999 4500-CN E	EPA 1631E	02/2014 HACH 10242	EPA 420.1	EPA 200.8	HACH 10209	SM1997 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	HACH 10206
		Notes Quantity																				
Laboratory Analysis		Result	< 3.6960 ug/L	< 0.0100 mg/L	1.610 ng/L	10.3 mg/L	< 0.005 mg/L	< 5.97 ug/L	910	208.0 mg/L	< 6.37 ug/L	< 6.96 ug/L	.65	< 7.03 ug/L	16.40 ug/L	19.95 ug/L	6.2 ug/L	1312.8100 ug/L	9.85 ug/L	< 4.000 ug/L	1043.7400 ug/L	4.87 mg/L
		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead	Nitrate + Nitrite
	Analysis	Time		02/10 0350 NTR	02/16 1303 AZ	03/02 1015 AKA	0330	1303	1030	1551	1122	1303	1303	1303	02/10 1303 KNM	1303	1303	1122	1303	1303	02/08 1122 KNM	02/09 0920 KNM

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature //

Environmental Services Co., Inc





Corporate Office

13715 West Markham

Little Rock, Arkansas 72211

501-221-2565 (p)

501-221-1341 (f)

Carlsbad, New Mexico

575-867-7-ESC (372)

Springdale, Arkansas

479-750-1170

www.esciabs.com

LABORATORY REPORT

Client:

North Little Rock WWU/Faulkner Lake

Sample Date:

02/02/21

Control Number:

2102010044/2102020156

Receipt Date:

02/02/21

Sample Type:

Grab - W. Water

Report Date:

03/01/21

Sample Identification

FLE-WTR-MCR-Q1-21

CHLORINATED PESTICIDES (µg/L or ppb)

Analyte

Result

Detection Limit

Chlorpyrifos

ND

0.04

QUALITY ASSURANCE DATA

Method:

EPA 8081A

System Monitoring Compounds

% Recovery

% Recovery Limits

2,4,5,6-Tetrachloro-m-xylene

104%

35-138

Decachlorobiphenyl

75.0%

43-128

Analysis Date:

2/17/2021

Analysis Time:

21:43

Analyst:

TWM

Laboratory control samples were monitored for all analytes of interest.

Digitally signed by Tyler Meek

DN: cn=Tyler Meek, o=Environmental Services
Company, ou, email=tylerm@esclabs.com, c=US

Data Release authorized by: Date: 2021.03.01 13:00:09 -06'00'

Tyler W. Meek - Lab Manager

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Collected By: JASON BARRETT Delivery By : WGW Purchase Order : Work Order : GRAB WWATER : EQUIPMENT BLANK 02/02/21 0735 Sample Type Sample Date Sample Time Sample From Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Control Number: 2102010045 Report Date : 02/19/21

% RPD Method EPA 1631E Quantity Notes Laboratory Analysis 0.430 ng/L Result Mercury, low level Parameter Date Time By 02/16 1317 AZ Analysis

Ouality Assurance
Precision Accuracy
% RPD % Recovery
1.48 93.0 *

* QA data shown is from a different sample or standard on the same date.

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Signature /////
Environmental Services

Revised 04-15-2019

mental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 Little Rock, AR 72211 13715 West Markham

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341



Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

Requested Parameters	(-	ez)a	istoT	·(·1e	103(8	OS+1		.at) i							×	×	×				No				of
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					1	î		onlainers	Preservative	NaOH+Asc Acid	CuSO4+H2SO4	HNO3	None	None	H2SO4	HCI	ي ا	2/2/2/ II	_	_	C C C L	T			
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Pro	ect #:	Order #:	# 1	ame(s):		ure(s):	9		Matrix	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Me who	mature and Planted Name	1) MOL	1	Analyst: Time:	Reading:	Chlorinated?
	Permit/Project #:	Purchase Order #:	Work Order #	Sampler Name(s):		and Signature(s):		Collection	Туре	Grab	Grab	735 Composite	Grab	Grab	Grab	Composite	Grab	Received By. (Sig	Received By: (Signature	Reseived for Lab By	Jana L				
	ner Lake							Sample	Time	25.00	0735	0735-9	0135	0735	0735	0735-0	0735	e limb	Тіте	Time	3				
	WU/Faulk		R 72117			eston	-1st		Date	3/2/2	2/2/2	12/2/12	2/2/A	2/2/2	2/2/4	\$ 2 kg	2/2/2	2/2 (2)	Date	1 12 Pate	7.7), Cd(48.PS)	S), 00.MD
Client Information	North Little Rock WWU/Faulkner Lake	P.O. Box 17898	North Little Rock, AR 72117	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	5 Effluent Quarterly	tification	ESC Control #	2102010044		12-1-7				12-1-2	202010045	-Name)	l Name)	=	Money Complete Comple			s), As(33.PS), Ag(47.PS	'S), Mo(42.PS), Sb(51.P
٥	Client:	Address:		Phone:	Fax:	Contact:	ESC Client Number: 2455 Effluent Quarterly-1st	Sample Identification	Identification	FLF-WIR-MCR-CALAR 2102010044	FLE WIR MCR 91 31	FLE WIR MCR GL 21	FLE WIR MCR 61-31	FIE WIR - MCR - 01-21	FLE WIR MCR 61-21	FLE-WTR-MCR-04-21		Reimaushed by. (Signetyre and Printed Name	Relings shed By: (Signature and Printed Name)	Relinquished By. (Signature and Printed Name)	Cool all samples to < Edented		Comments:	Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)	Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD



Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

Sample Time : 0735-0735/0735 Composite Date:05/04/21 Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR00020303 Control Number: 2105010062 Report Date : 05/20/21

Sample From : FLI-WTR-MCR-Q2-21 Sample Type : COMP/GRAB WWATER

-05/05/21

Collected By: JASON BARRETT Delivery By : JGK Purchase Order : Work Order

7

Ouality Assurance	01	111.4	1001	. 6.68	112.1	110.4	110.0	103.6	, 6.76	98.2	117.8	¥ E.00	107.3 *	* 6.96	* 1.96	95.4 *	* 2.24
Qualit	Precision	3.20	0.29	3.39	2.79	1.01	2.17	6.57	0.56	0.73	3.05	1.82	0.84	2.49	1.73	2.04	2.90
	Method	EPA 200.8	SM 2011 4500-CN E	EPA 420.1	EFA 200.8	EFA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 245.1			EFA 200.8
	Quantity																
	Notes																
Laboratory Analysis	Result		T/Sm COTO:O >		0.0200 mg/T					1/5m 0030 0 v	1/5m 00cc 0 /			1/5m 2000 /			
	Parameter	beryiilum Cvanide Total (Hach 102se	Phenolics	Chromium	Nickel	Copper	Zinc	senic	Selenium	Molvbdenum	Silver	Cadmium	Mercury	Antimony	rhallium	Lead	
Analvsis	28	13 0400 NTR	13 0550 NTR	10 1907 KNM			KNM	1907 KNM	1907 KNM	1907 KNM	KINIM	KNM	-	KNM	05/10 1907 KNM Th	05/10 1907 KNM Le	

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136; where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc

En√. .mental Services Company, Inc.

Corporate Office rkham P.O. Box 55146 72211 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Phone: 501-221-2565

Fax: 501-221-1341



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Ö	Client Information				ď	oject Inf	Project Information	_		Ľ	a ma	stad E	Reminested Desameters	
Client:	North Little Rock WWU/Faulkner Lake	WWU/Faulk	ner Lake	Permit/Project #:	1						3			0
Address:	P.O. Box 17898			Purchase Order #:	Order #:	210807	100			_				
	North Little Rock, AR	AR 72117		Work Order#	# 10					_			_	
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Inc.	Tacon Bush	4		_	(:			
Fax:	501-945-2367					Rowin	4			_	stnər			
Contact:	Ms. Marybeth Eggleston	Jeston		and Signature(s):	ture(s):		1	1		_	ധധഠ			
ESC Client Number: 2	2456 Influent Quarterly	rterly				9	100	1		-				
Sample Identification	ification		Sample	Sample Collection	0		Sample	Sample Containers) ebi) slo			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	ative #		-			
FIT-WTR-MCR-02-21/1/16/70/00/07	21020 0002	S 5 3	0735	Grab	Wwater	Plastic	8 oz J	NaOH+Asc Acid	-		-		F	F
FLI WTR MCR G2.21		5 5 2	0735	Grab	Wwater	Glass	1 Lifer v	1 Lifer / Cus04+H2504	-		×			
FLI WIR MCR 02-21	+	5 5 -4	0735	Compasite	Wwater	Plastic	8 oz V	HNO3	-		×			
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									-				-	F
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No increased by Stone bus non-														
1 2 mg	ourse)	5-5-3	e me	Received By Sign	Signature and Printed Name)	Charles A.	1770	N I VI	Lime 1	Custody Seals	Seals:			T
Retringmented by: (Signature and Printed Name)	ame)	Date	Time	Received By: (Sig	Received By: (Signature and Printed Name)	1 Name)		Date	Time	Tumaround	2		i i i i i i i i i i i i i i i i i i i	I
Relinquished By: (Signature and Printed No	(ame)	Date	Time		S. (Claretter)					Regular	>	S	Special	
COO all samples to a progress with the	Casens alle	SISTA	italia	KOTH	Charles and Printed Name)	and Printed Name) Internation Multipos	alins	SISTA	د و و	Were sa	Yes Ves	Were samples properly preserved Yes No	Served: No	
					>	Data	Field Test	Time	Analyst	Result	Result	F	Units	
Comments: Be(4.HW), NI(2	Be(4 HW), NI(28 HW), Cu(29 HW), As(33 HW), Ag(TI(81 HW), Pb(82 HW), Hg (50 15)	4s(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:						Н	H		Τ
Cr(24.HW), Zn(Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW), S	b(51.HW), 00	5(51.HW), 00.HG, 00.MD	Reading:						1	\dagger		
				1	Units:						1	\dagger		T
					Chlorinated?	z ≻	Fecal Start:			This D	ocnmei	nt is Pa	This Document is Page Lof	T



Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565 rel.

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170Tel.

Sample Time : 0720-0720/0720 Composite Date:05/04/21 Sample From Type Sample Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Control Number: 2105010060 Report Date: 05/27/21

Collected By: JASON BARRETT -05/05/21 : FLE-WTR-MCR-Q2-21 COMP/GRAB WWATER

Delivery By : JGK Purchase Order Work Order

Quality Assurance	Accuracy	% Recovery	111 4	* * * * * * * * * * * * * * * * * * * *	: :	700.0	100.0	112.1	110.4	0 0 1	7 2 2 2	1000	v v	98.2	91.1	0	107.3) - 90	T . 06	95.4	95.2	102.0
Quality	Precision	% RPD	3.20	0 29		00.0	00.0	2.79	1.01	2.17	75.57	, L		0.73	3.05	1.80	0.84	27 ل	7 6	7.04	2.90	0.12
		Method	EPA 200.8	SM 2011 4500-CN E						EPA 200.8	EPA 200.8	EPA 200.8	0 000 400	EFA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8			EPA 200.8	HACH 10206
		Quantity																				
		NOCES																				
Laboratory Analysis	1.500		0.00	< 0.0100 mg/L	1.250 ng/L	0.005 mg/T) (_	00.	00.	< 15.00 ug/L		00.00	0	00.		< 50.000 ug/L) (
La	Parameter	Boverllinm		Cyanide Total (HACH 10265	Mercury, low level	Phenolics, Low Range	Chromium	Ni cha l			7 TINC	Arsenic	Selenium	Molvbdenim	C. 1 200 C. C. C. C. C. C. C. C. C. C. C. C. C.	2.3	Cadillum	Aucimony	Thallaum	Lead	Nitrate + Nitrite	
Analvsis	Date Time By	. ~	9 6		0 0 20 3	05/13 0550 NTR	05/10 1850 KNM		2007		0 0	0 0	TRPO	05/10 1850 KNM	סקמר	0 0	000	0 0	MNN DSBT OT/SO	05/10 1850 KNM		

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136 A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Fax (501) 221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565 Tel.

Springdale, AR 72762 Northwest Arkansas Branch 1107 Century Avenue (479)750-1170Tel.

Collected By: JASON BARRETT Delivery By : JGK Work Order: : EQUIPMENT BLANK GRAB WWATER 05/05/21 0720 Sample From Sample Type Sample Date Sample Time Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Control Number: 2105010061 Report Date : 05/27/21

Purchase Order :

* Recovery Accuracy

100.0

Quality Assurance Precision % RPD Method EPA 1631E Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 05/25 0958 TA Analysis

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. The start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Ravised 04-15-2019

Env. mental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

341 CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

	Total Information														
	Heilt Hillorination				J.	Project Information	rmation			<u>~</u>	Requested	sted	Parai	Parameters	
Client:	North Little Rock WWU/Faulkn	VWU/Faulk	ner Lake	Permit/Project #:	ject #:								H		
Address:	P.O. Box 17898			Purchase Order #:	Order #:	210801K	5			_					
	North Little Rock, AR 72117	AR 72117		Work Order #	#								V		
Phone:	501-945-7186			Sampler Name(s):	lame(s):	1000	Takna Runo#	4		_	(-5	(VN7		-
Fах:	501-945-2367					8,700	1200	,				sìne		7	
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ture(s):	C	Ç4	*				wwo		00	
ESC Client Number: 24	2455 Effluent Quarterly	ırly			V	13.00	2	1				၁) ခ		V ,	
Sample Identification	tification		Sample	Collection			Sample (Sample Cobtainers) əbir) slot	9S)sl	nuλ(,	ر کر(
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	tive #			steN)[\	-
FLE-WTR-MCR-W-11	2105010000	5 5 A	0730	Grab	Wwater	Plastic	8 oz /	NaOH+Asc Acid	-	1			\vdash	ļ	Т
FLE WTR MCR-03 21	21056106100	S- 5 -21	0720	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×		\vdash	F	Τ
FLE-WTR-MCR-32-21 21056106120	21056106120	5-5-21	0770	Grab	Wwater	Plastic .	8 oz v	H2S04			×			V	Т
FLE-WTR-MCR- 42-21 2105010060	21050100606	5-5-2	0.27.0	Composite	Wwater	Plastic	8 02 /	HNO3 to pH	1 42			×	+		T
7		5-5-3	0270	Composite	Wwater	Glass	250 ml	Cool ≤ 6° C	-				×		T
Equipment Blank	2105010001	5 4 2	027.0	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-				·×		Τ
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and house	naira)	5 5 3	- Co	Heceived By (S)	Acceived By. (Supparure and Printed Name)	Name)	1.00	S IS 17.	Time	Custody Seals.	Seals:	1_	total Chart		Т
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Refriction By: (Signature and Printed Name)	-	4								Regular	>		Special		
イグタイ	erache)	5/5/21	9/9/	Kecewed for an By	Ext. (Signature and Printed Name)	Printed Name)	Mulis	S/sfau	Time	Were samples properly preserved Yes No	aples pr	operly p	reserved	Ē	Γ
					Flow Da		Field Test	Time	Analyst	Result	Result	1	Þ	Units	Т
comments: tests updated	ated per chain & bid	p q t	SALAN SALAN	回然問	Analyst:	T					Ц	П	П		П
Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)	i), As(33.PS), Ag(47.PS)), Cd(48.PS)	1	800	Reading:	T					+	1			Т
11(81.PS), Pb(82.PS),					Units:						L				Т
Cf(24.PS), 2n(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	s), 00.MD	2	7.55		ŭ.	Fecal Start:			This Document is Page	ocnme	int is F	age	5	Γ
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Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 (479)750-1170 Fax (479) 1107 Century Avenue Tel.

> Composite Date:08/09/21 Sample Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR00020303 2108010053 Report Date : 08/19/21 Control Number:

Composite Date:08/09/21 -08/10/21 Sample Time : 0755-0755/0755(8/10) Sample From : FLI-WTR-MCR-Q3-21 Type : COMP/GRAB WWATER

Purchase Order: 211470 Work Order

Collected By: JASON BARRETT/B

Delivery By : DMP

	o I	Laboratory Analysis				Ouality Assurance	ssurance
Analysis						Precision	Accuracy
Date Time By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
08/18 0710 NTR	Beryllium	< 0.0500 mg/L			EPA 200.8	0.65	104.1 *
0320	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	3.67	* 0.601
0430	Phenolics	0.11 mg/L			EPA 420.1	3.39	98.2
0710	Chromium				EPA 200.8	0.84	116.3 *
0770	Nickel				EPA 200.8	1.24	110.3 *
0710	Copper				EPA 200.8	4.55	111.4 *
08/18 0710 NTR	Zinc				EPA 200.8	3,45	105.9 *
0770	Arsenic				EPA 200.8	1.07	104.9
0710	Selenium				EPA 200.8	0.04	* 0.88
08/18 0710 NTR	Molybdenum	< 0.0500 mg/L				2.57	* 8,88
0710	Silver				EPA 200.8	1.10	109,6 *
0110	Cadmium	< 0.0200 mg/L			EPA 200.8	1.89	\$ 20.3
1030	Mercury				EPA 245.1	2.02	78.2 *
0710	Antimony				EPA 200.8	1.09	84.8
0710	Thallium	< 0.0500 mg/L			EPA 200.8	1.30	120.0 *
08/18 0710 NTR	Lead	0.0283 mg/L			EPA 200.8	1.21	117.4 *

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.

13715 West Markham P.O. Box 55146 Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com

Fax: 501-221-1341

Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Project Information Requested Parameters		1		Jasin Burnett	Som Croth	and Sunt	(24)	Sample Containers ide	Type Volume Preservative # 중 후	Plastic		Glass
Jason	Jason	Jasian	Jason		J	and and	O Ansa Cook	Sample Containers	Type Volume		Plastic 8 oz	Plastic 8 oz
roject #:		Purchase Order #: 31147			J	0	1 Bury		_		Wwater Plastic	Wwater
	ake Permit/Project #:	Purchase	Work Order #	Sampler Name(s):		and Signature(s):		Sample Collection	Time Type	55 Grab		
	WWU/Faulkner Lake		AR 72117			eston	terly	Se	Date Ti	8/10/21 0755		18/ 10/21/07
Cirent Information	North Little Rock WWU/Faulkr	P.O. Box 17898	North Little Rock, AR 72117	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	2456 Influent Quarterly	fication	ESC Control #	2,U000lc053		·
5	Client	Address:		Phone:	41	Contact:	ESC Client Number: 2	Sample Identification	Identification	FLI - WIR-MUR-SIZE		FIT WITH MCR -23 -21

Corporate Office 13715 West Markham Little Rock, AR 72211 (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

> Control Number: 2108010051 Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Report Date : 08/26/21

Composite Date:08/09/21 -08/10/21 Sample Time: 0735-0735/0735(8/10) Sample Type: COMP/GRAB WWATER Sample From: FLE-WTR-MCR-Q3-21

Delivery By: JASON BARRETT/B Work Order: Purchase Order: 211470

Laboratory
< 0.0100
< 2.0
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QA data shown is from a different sample or standard on the same date.

equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Tel. Little Rock, AR 72211 1)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

: EQUIPMENT BLANK : GRAB WWATER 08/10/21 : 0735 Sample Date Sample Time Sample Type Sample From Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Control Number: 2108010052 Report Date : 08/26/21

Collected By: JASON BARRETT/B Delivery By : DMP Work Order : Purchase Order : 211470

Quality Assurance Precision % RPD 00.0 Method Quantity Notes Laboratory Analysis 4.420 ng/L Result Mercury, low level Parameter Date Time By 08/25 1228 ACZ Analysis

EPA 1631E

% Recovery Accuracy

Signature

Services Co., Inc. Environmental

where applicable for Quality Assurance purposes.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136.

A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality.

* QA data shown is from a different sample or standard on the same date.

the start of the analytical batch in which the specific sample was included.

Revised 04-15-2019

Env mental Services Company, Inc. Corporate Office

Little Rock, AR 72215 P.O. Box 55146 Little Rock, AR 72211 13715 West Markham

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Albuquerque, New Mexico Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372 888-372-3477

	Client Information				Pro	iect Info	Project Information			1 P	edile	sted	Parar	Requested Parameters
Client:	North Little Rock WWU/Faulkner Lake	VWU/Faulkr	ner Lake	Permit/Project #:							\vdash		-	
Address:	P.O. Box 17898			Purchase Order #:	Order #:	211470	0						-	
	North Little Rock, AR 72117	4R 72117		Work Order #	# 1.									,
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jaso	Jason Rometh	+				(
Fax:	501-945-2367					Bayan	405							
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	.nre(s):	0		F.					_	
ESC Client Number: 24	2455 Effluent Quarterly	ırly				Sus	3	P				_	(123	(Lere
Sample Identification	tification		Sample	Collection		0	Sample C	Sample Containers) əbir) slor (.81)	eS)sli	(.61)	ni)(1
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	live #	_			_	2/2/4/
FLE-WIR-MCR-63-21 210801005	2108010051	8/10/21	0735	Grab	Wwater	Plastic	8 oz V	NaOH	-	×	\vdash		H	
FLE-WIR-MIR-32 21		8/10/3	2735	Grab	Wwater	Glass	1 Liter	Cu8O4+H2SO4	-		×			
FLE-WTR-MCR-03-31		8/10/2	0735	Grab	Wwater	Plastic	8 oz V	VH2SO4	-		×			
FLE-WTR-MCR-03-31		S/10/2	6735	Grab	Wwater	Plastic	8 oz v	Cool ≤ 6° C	-		-		×	
FLE-WTR-MCK-B3-21	•	K/01/8	8735	Composite	Wwater	Plastic	8 oz /	HNO3 to pH <2	2			×		
FLE-WTR-MCR-Q221	+	8/10/21	0735	Composite	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	-				Ĥ	×
Equipment Blank	200000000000000000000000000000000000000	8/10/5	5735	Grab	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	*				Ĥ	×
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Kelipgeshed By: Squature and Printed Name)	Name)	\$ /10 /X	0(1)10	Peul Signature By (Signature)	(Signature and Printed Name)	150	PIDE	1 (d) 180	1410	Custody Seals Used?	Seals.	۱,	Intact?	
Pefinquished By: (Signature and Printed Name)	Name)	Date	Time	Received By: (Sig	Received By: (Signature and Printed Name)	Name)		Date	Time	Turnaround	֓֞֞֝֞֞֓֓֓֓֟֟֝֓֓֓֓֟֟֓֓֓֓֟֟֓֓֓֓֓֓֟֝֓֓֓֓֟֝֓֓֓֓֟֓֓֓֓֓֟֓֓֓֓֓֓	-	Cook	
Relieguished By. (Signeture and Printed	Name)	Date	Time	Received for Lab	Received for Lab By: (Signature and Printed Name)	Printed Name		a)o(i i	Mara	<u></u>		obecia	
Lac Id Proc CAVID PIERUS 08/10/21	MULD PERFUS	08/10/21	1628	(mm)	my Be	Ben stry ha	hay	=	879	Year	Yes Ser	o coperio	Yes No Noperly preserved.	
					Mow Data		Field Jest		Analyst	Result	Re	Result	ភ	Units
Comments:				司然回	Analyst:						Н			
Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Aa(47.PS), Cd(48.PS)	3). As(33.PS). Aa(47.PS)	Cd(48.PS)			Reading.	T					+	Ī		
Ti(81.PS), Pb(82.PS),		() () () () () ()			Units:						+	T		,
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	'S), Mo(42.PS), Sb(51.P	S), 00.MD		7			Fecal Start:			This Document is Page	Engo	ent is	Page /	Jo

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2110010054

Customer Name : NORTH LITTLE ROCK-FAULKNER INF Samp

Customer/Permit No. : 2456 / AR00020303

Report Date : 11/19/21

Samp

Composite Date:10/26/21 -10/27/21 Sample Time: 0730-0730 0730 Sample Type: COMP/ GRAB WATER Sample From: FLI-WTR-MCR-Q4-21

Delivery By : HMK Work Order : Purchase Order :

JASON BARRETT

Collected By:

Laboratory Analysis
< 0.0500
< 0.0100
0.18
< 0.020
< 0.020(
0.059
0.1920
< 0.0100
< 0.0150
< 0.0500
< 0.1200
< 0.0200 mg/L
< 0.0100 mg/L
< 0.0500

* QA data shown is from a different sample or standard on the same date

where applicable for Quality Assurance purposes. equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136 Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co, In

Environmental Services Company, Inc.

Corporate Office

Nest Markham P.O. Box 55146

13715 West Markham P.O. Box 55146 Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

O	Client Information				Pro	Project Information	rmation			R	ednest	ed Pa	Requested Parameters
Client:	North Little Rock WWU/Faulkner Lake	/WU/Faulk	ner Lake	Permit/Project #:	ect #:								
Address:	P.O. Box 17898			Purchase Order #:)rder #:	212028	3					-	
	North Little Rock, AR	NR 72117		Work Order #	#_								
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jason	Juston Burnet	-			(8:	_	
Fax:	501-945-2367					Bryan Groth	Crost				ment		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	S	70	Pm			moC	-	
ESC Client Number:	2456 Influent Quarterly	eriy				Burg	you Car	7					
Sample Identification	ification		Sample	Sample Collection	2	0	Sample Containers	ontainers		ebin elon			_
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	tive #		_		
FIT-WTR-MCR-64-21	750010011E	10-27-21	02.130	Grab	Wwater	Plastic	8 oz v	HaOH+Asc Acid	-	×			
FLI-WIR-MCR-GYZI		12-17-01	0730	Grab	Wwater	Glass	1 Liter	6uSO4+H2SO4	-		×		
FIT-WIR -MCR-64-21	4	10-27-21	25.60	Composite	Wwater	Plastic	8 02	HNO3	-		×		
												-	
Religion licked But (Signature and Printed Alema)	Nome)	di di	Time	Bacaived By 1Sig	Signature and Brinted Name	Nanten		Date	- I	Custody Seals	- Sea		
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Reinduished By: (Signature and Printed Name)	Name)	Date	Time	Received By. (Sig	Received By. (Signature and Printed Name)	Name)		Date	Time	Turnaround Regular		S	Special
Relinguished By Signature and Prited yas	(algasja	Date	1700	Received for Lab	Received for Lab By: (Signature and Printed Name)	ure and Printed Name)	6	D) Date	Q Time	Were sa	Were samples properly preserved:	perly pres	Served:
> ot seldr	6 degrees C with ice.	1001101		18	Flow Da	Data	Test		Analyst	Result	Result	_	Units
Comments: Be(4.HW), Ni	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4s(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:								
TI(81.HW), P	TI(81.HW), Pb(82.HW), Hg (50.15)				Time:						4	1	
Cr(24.HW), 2	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sk	Mo(42.HW), S	Sb(51.HW), 0	o(51.HW), 00.HG, 00.MD	Reading:						+	+	
					Onlies:	7,				1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	_	-
					Chlorinated	2	recal Start.			2 2 2	This Document is Page	1 15 7 2	de tor

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565Tel

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170 Tel.

> Sample From Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Control Number: 2110010052 Report Date : 11/26/21

Sample Time : 0715-0715 0715 Sample Type : COMP/ GRAP WAREN : FLE-WTR-WCR-Q4-21

Collected By: JASON Delivery By : HMK Purchase Order : Work Order

BARRETT

	Lab	Laboratory Analysis					
Analysis						Dreciaton	Againe
Time	Parameter	Result	Notes	Quantity	Method	* RPD	* Recorder
10/28 1320 NTR	Beryllium	< 50.00 ug/L			EPA 200.8	4 44	107 7 +
10/29 0400 NTR	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-0N E	77.7	· · · · · · · · · · · · · · · · · · ·
11/12 1144 ACZ	Mercury, low level	0.980 ng/L				* 0	0.71
10/28 0550 NTR	Nitrate Nitrogen	10.6100 mg/L			HACH 10206	. c	0.40
10/28 0515 NTR	Nitrite Nitrogen	0.0500 mg/L			EPA 354.1	10.1) C
0515	Phenolics, Low Range	< 0.005 mg/L			EPA 420.1	17.C	*
10/28 1320 NTR	Chromium	< 20.00 ug/L				1 6	* + C + C + C + C + C + C + C + C + C +
11/04 1040 NTR	Phosphorus, Total (as P)					200	7.00
10/28 1320 NTR	Nickel	< 20.00 ug/L			EDA 200 8		0 0
10/28 1320 NTR	Copper	00.00				0 V	0.00
10/28 1320 NTR	Zinc	00.00				ף כלי היים היים	104.3 ×
1220 NTP	O CONTRACTOR	1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /			EFA 200.0	TO.89	* 6.67
TOOC F	AL SCILL	00.0			EPA 200.8	3.76	* 7.86
1320 NTK	serenium	5.00				2.85	96.1 *
1320	Molybdenum	00.				9.28	81.4 *
1320	Silver	0.0			EPA 200.8	0.77	80.3
1320	Cadmium	00.			EPA 200.8	2.20	111 9 *
1320	Antimony	< 10.00 ug/L			EPA 200.8	4.24	74 7 *
1320	Thallium	< 50.000 ug/L			EPA 200.8	7.86	1126
10/28 1320 NTR	Lead	17.21 ug/L			EPA 200.8	0.73	* 6.00

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included

Signature

des Co., Inc. Environmental



Inc. Environmental Services Company,

Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

Collected By: JASON BARRETT

Delivery By: HMK

GRAB WATER 10/27/21 0715 Sample Date : Sample Time : Sample Type : Sample From Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Control Number: 2110010053 Report Date : 11/26/21

: EQUIPMENT BLANK

Purchase Order: Work Order

Quality Assurance Precision 0.00 % RPD Method EPA 1631E Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 11/12 1149 ACZ Analysis

& Recovery 84.0 *

Accuracy

Signature

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136.

* QA data shown is from a different sample or standard on the same date

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Environmental Services Co.,



Corporate Office 13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

O	Client Information				Pro	Project Information	rmation			Ř	enbe	sted	Para	Requested Parameters	စ
Client:	North Little Rock WWU/Faulkn	WWU/Faulk	ner Lake	Permit/Project #:	ject #:										
Address:	P.O. Box 17898			Purchase Order #:	Order #:	SISOSK	200				_				
	North Little Rock, AR	4R 72117		Work Order#	# 1.										
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Tasan	Tasan Barrett	ŧ		-		(5		_	
Fax:	501-945-2367					Bryon	croft				(*:	atnən		_	
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s)	:nre(s):	a	Beer	The same		(6		นเมอ		- (_
ESC Client Number: 24	2455 Effluent Quarterly	ırly				Bury	an Ca	1		_	_	၅ ခခ		(16.8	
Sample Identification	tification		Sample	Sample Collection	0	0	Sample C	Sample Containers		ebin elon	(18.)	S)sla	(.et)	r)/Unc	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	_	_	stəM	ZON	Mero	
AE-VR-MCR-Q4-21	2110010052	וג-רג-סו	2115	Grab	Wwater	Plastic	8 oz 🗸	NaOH	-	×	H			_	
HE-WITE-MCR-04-21	_	16-75-01	0715	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×				
FIE-WTR-MCR-842		1x-re-3	2115	Grab	Wwater	Plastic	8 oz Z	H2S04	-		×				
FIE-WTR-MCR-BYN		14-14-01	5110	Grab	Wwater	Plastic	8 oz V	Cool ≤ 6° C	-		_		×		
FLE-WTR-MCR-8421		10-27-2	0717	Composite	Wwater	Plastic	8 02 2	HNO3 to pH <2	1			×			
FLE-WTR-MCR-Q4-21	7	10-27-21	7170	Composite	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	-					×	
Equipment Blank	2110010053	12-7,6-01	2715	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-		_			×	
									4		-			-	
											_				
Relinguished By: (Signature and Printed Name)	(Name))k-71-0(25	Repeived By: Using	Received By: (Rignature and Puinted Name House)	Marine		Date 19/2/5/	Time 1/10/2	Custody Seals: Used?	Seals:	4	Intact?	L	
Relinguished By: (Signalure and Printed Name)	Name)	Date	Time	Received By: (Sig	Received By. (Signature and Printed Name)	Mame)		Date	Time	Tumaround Regular	<u> </u>		Special	L	
Reinfuished By (Signalure and printed Name	Ameni	Date Date	Time	Received for ab Bi	Received for ab By: (Signature and Printed Name)	Printed Name)	1	10/2 \$/21 4	4.35	Were sa	Were samples properly preserved Yes No	Toperity—	preser	No di	1
					Flow Data	1	Field Test		Analyst	Result	Result	of the		Units	
Comments:			Ī	回然回	Analyst:	T					H				П
Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)	S), As(33.PS), Ag(47.PS	3), Cd(48.PS)			Reading:						\vdash				
TI(81.PS), Pb(82.PS),				器が	Units:						Н				П
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.F	S), 00.MD		000		_	Fecal Start:			This Document is Page Lof	ocum	ent is	Page	t of	
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Little Rock, AR 72211 1)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

Composite Date:02/01/21 -02/02/21 Sample Time: 1110-11110/1110(02/02 Sample Type : COMP/GRAB WWATER Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 Control Number: 2102010051 Report Date : 02/19/21

Sample From : FMI-WTR-MCR-Q1-21

Collected By: JASON BARRETT Delivery By: WGW Purchase Order Work Order

	. III	Laboratory Analysis				Quality A	Quality Assurance
Analysis					Aumor	Precision	Accuracy
Date Time By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/10 1319 KNM	Beryllium	< 0.0040 mg/L	,		EPA 200.8	2.29	112.3 *
02/10 0350 NTR	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 1999 4500-CN E	2.99	106.7 *
02/11 0330 NTR	Phenolics	0.12 mg/L			EPA 420.1	3.39	94.8
02/10 1319 KNM	Chromium	< 0.0060 mg/L			EPA 200.8	1.55	111.2 *
02/08 1138 KNM	Nickel	< 0.0064 mg/L			EPA 200.8	0.95	111.1 *
02/10 1319 KNM	Copper	< 0.0070 mg/L			EPA 200.8	0.97	108.3 *
02/10 1319 KNM	Zinc	0351	,		EPA 200.8	9.49	112.6 *
1319	Arsenic	< 0.0070 mg/L				3.60	103.8 *
	Selenium	0.0172 mg/L			EPA 200.8	10.37	101.9 *
1319	Molybdenum	0181				0.63	114.2 *
	Silver	1900				6.51	83.9 *
02/10 1319 KNM	Cadmium	0120			EPA 200.8	4.00	109.1 *
02/13 1206 KNM	Mercury	< 0.0010 mg/L			EPA 245.1	5.69	86.4 *
	Antimony	0.0095 mg/L			EPA 200.8	0.14	* 0.76
02/10 1319 KNM	Thallium	< 0.0040 mg/L			EPA 200.8	1.35	* 6.16
02/08 1138 KNM	Lead	1.0438 mg/L			EPA 200.8	0.01	* 6.96

Signature

Environmental Services Co., Inc.

^{*} QA data shown is from a different sample or standard on the same date.

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Env(nental Services Company, Inc. Corporate Office

West Markham P.O. Box 55146 tock, AR 72211 Little Rock, AR 72215 website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

Fax: 501-221-1341 Phone: 501-221-2565



Carlsbad, New Mexico

Springdale, Arkansas 479-750-1170

575-887-1ESC

O	Client Information				Pro	ject Info	Project Information				edne	sted	Requested Parameters	ers
Client:	North Little Rock WWU/Five Mile	WWU/Five N	lile	Permit/Project #:	ect #:									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	20229	57							
	North Little Rock, AR	AR 72117		Work Order #	# ::									
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jeson	Jeson Brost				(si			
Fax:	501-945-2367					S	NGN (Ties			weu		_	
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	nre(s):	Ch	Bon	· A						
ESC Client Number: 24	2448 Influent Quarterly	ırly				1	Minn	よう						
Sample Identification	tification		Sample (Collection			Sámple C	Sample Containers		əbin	slon 3) sle			
ldentification.	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	# e^					
FMT-WTR-MCR-COLUM	2102010051	2/2/1	1116	Grab	Wwater	Plastic	8 oz V	NaOH+Asc Acid	-	×				F
HMI WIR MCR GIZ	-	2/2/21	illo	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			
FMI-WTR-MCR-6121	1.2 T	2-1-2/2/21	#0111	110 4110 Composite	Wwater	Plastic	₹ 02 V	HN03	-		×			
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	ndanie)	2/2/2	2	Collect	Salvalle		おもろくろう	42121	OOD	Used?	Used?	_	Intact?	Г
Reinduished By: (Signature and Printed Name)	Name)	Date	Тіте	Received By: (Sig	(Signature add Wrinted	inted Name)		Date	Time	Tumaround Regular	- L	_	Special	Г
Reinquished By: Signature and Innted Name)	-	auth 2/272,	(DV)	Repeired for Lib		3 Printed Name	(6	いい いい いい い	Time	Were s	samples /	property	Were samples properly preserved: Yes V	Ī
Coorall samples to < ordegrees c with ice	S C With Ice.				V FIOW D	Data	Field Test	Time /	Analyst	Result	Ī	Result	Units	- Control of the last of the l
Comments: Be(4.HW), Ni	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(As(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:						Н			
TI(81.HW), P	TI(81.HW), Pb(82.HW), Hg (50.15)				Time:						\exists			
Cr(24.HW), Z	Cr(24.HVV), Zn(30.HVV), Se(34.HVV), Mo(42.HVV), Sb(51.HVV), U0.HG, U0.MD	MO(42.HW), S	(Sp. 1.HW), U(.HG, 00.MD	Reading:						+			
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					Chlorinated?	z	Fecal Start:			This	Docum	ent is	This Document is Page 1 of	



Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Coxtrol Number: 2102010049

Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF

Customer/Permit No. : 2447 / AR00020320

Report Date : 03/04/21

Composite Date:02/01/21 -02/02/21 Sample Time: 1115-1115/1115(2/02) Sample Type: COMP/GRAB WWATER Sample From: FME-WTR-MCR-Q1-21

Work Order : Purchase Order :

BARRETT

7: JASON : WGW

Collected By:

Delivery By

Analveie Laboratory

Quality Assurance	Precision Accuracy	9/0		2.99	1.48 93.0 *			1.55	1.93 102.0 *	7.07 × A/N	0.95	0.97 108.3 *	9.49	3.60 103.8 *	10.37			* 1.46		1.07 91.9 *		יולר מינית שר מינית
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	02/2014 HACH 10242	EPA 420.1	EPA 200.8	EPA 365.1	SM 2011 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	HACH 10206
		Quantity																				
		Notes																				
Laboratory Analysis		Result	< 3.6960 ug/L	< 0.0100 mg/L	7.970 ng/L	14.1 mg/L	< 0.005 mg/L	< 5.97 ug/L	1.550 mg/L		< 6.37 ug/L		< 35.15 ug/L		. 11	18.27 ug/L	6.2 ug/L	1312.3900 ug/L	9.60 ug/L	< 4.000 ug/L	1043.7600 ug/L	0.40 mg/L
Ä		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead	Nitrate + Nitrite
	Analysis	Time	1313	02/10 0350 NTR	02/16 1332 AZ	02/09 0815 BXW	0330	1313	1030	1551	1133	1313 KNM	1313 KNM	1313	1313	02/10 1313 KNM	1313	1133	1313	1313	1133	02/09 0920 KNM

QA data shown is from a different sample or standard on the same date.

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included. used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136,

Signature

Environmental Services Co., Inc

 Corporate Office
 Carlabad, New Mexico

 13715 West Markham
 575-887-7-ESC (372)

 Little Rock, Arkansas 72211
 Sprindale, Arkansas

 501-221-2565 (p)
 479-750-1170

 501-221-1341 (f)
 www.esciabs.com



LABORATORY REPORT

Analysis Date: Analysis Time:		-	7/2021 0:59
, , , , ,		2710	7000/2
Decachlorobiphenyl	%0°0 ∠	C	43-128
2,4,5,6-Tetrachloro-m-xylene	435%	4	35-138
System Monitoring Compounds	W Recov	New	% Recovery Limits
Method: EPA 8081A			
Ö	AU BONARURSA YTIJAUO	AT	
Chlorpyritos	l	ND	₽0.0
<u> atylsnA</u>		ilusə	Detection Limit
СНГОВІ	ORINATED PESTICIDES (µg/	(r ot bbp)	
Sample Identification FME-WTR-MC	R-MCR-Q1-21		
Sample Type: Grab - W. Wa	. Water	Report Date:	NZ/10/20
Control Number: 2102010049/2	49/2102020154	Receipt Date:	02/02/21
Client: North Little Ro	e Rock WWU/Five Mile	Sample Date:	02/02/21
71.77	LINE INCIDENCE	1710	

Laboratory control samples were monitored for all analytes of inferest.

Digitally signed by Tyler Meek DN: cn=Tyler Meek, o≕Environmental Services Company, ou, email=tylerm@esclabs.com, c≕US Date: 2021.03.01 12:58:32 -06'00'

Data Release authorized by:

Analyst:

Tyler W. Meek - Lab Manager

TWM

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

: EQUIPMENT BLANK : GRAB WWATER 02/02/21 1115 From Sample Date Sample Time Sample Type Sample Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Report Date : 02/19/21 Control Number: 2102010050

Purchase Order : Work Order

% Recovery Accuracy

Delivery By : WGW

Collected By: JASON BARRETT

Ouality Assurance Precision % RPD Method EPA 1631E Quantity Notes Laboratory Analysis 0.710 ng/L Result Mercury, low level Parameter Date Time By 02/16 1337 AZ Analysis

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services

Environmental Services Company, Inc. Corporate Office

Little Rock, AR 72215 P.O. Box 55146 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341

Phone: 501-221-2565



Carlsbad, New Mexico 575-887-1ESC

Springdale, Arkansas 479-750-1170

Control # Date Time Type Wwater Plastic 8cz / None 1 X X X X X X X X X	neters		سراحی.	i ilizio	4.1	8)50			cury							×	×	×						Units				
Little Rock WWU/Five Mile	Jarar	l ì	30/0	,	. \ .	0,001									×					Interto		Special	Neserve	Þ				0000
Little Rock WWU/Five Mile	sted		ųυo .	əhs	nb js	C)18	d 66.) sof	inyqı	СЫ				×						_			operly p	1	T	П	1	
Little Rock WWU/Five Mile	enba				(s	weu	_	_		-	_		×							seals:	market .	Ŀ	d Selder	Res	L	Ц	4	
Little Rock WWUJFive Mile	R		-				(7				×	×						\dashv		ustody	maron	egular	ere san Yes	esult				2
Control # Cont	r							(0)	I		\vdash	-	-	-	-	-	-	-			F	œ	-	Г	-		+	+
Control # Permit/Project #: A C 23										tive	Г									= 3	T		18	Analy				
Little Rock WWU/Five Mile					±	といけ	#	+	Containers	Preserva	NaOH+Asc Acid	CuSO4+H2SO4	HNO3	None	None	H2SO4	HCI	豆		Date 7. /7 /2 /	Date		2-Con	Time				
Little Rock WWU/Five Mile Box 17898 Little Rock, AR 72117 Work Order # 45-2367 45-2367 Sampler Name(s): Lent Quarterly-1st Control # Date Time Type Matrix Control # Date Time Type Matrix CONTROL	ormation		29			NZW.	Bonne	7	Sample C	Volume	8 oz 🗸	1 Liter√	8 oz V	1 Liter >	8 02	8 oz V	250 ml	250 ml		J. 111. JU	Tad light			Test				
Little Rock WWU/Five Mile Box 17898 Little Rock, AR 72117 Work Order # 45-7186 45-7186 Sampler Name(s): Lent Quarterly-1st Control # Date Time Type Matrix Control # Date Time Type Wwate Control # 2/2/2	oject Info		2102		Jason	ය	J	1		Type	Plastic	Glass	Plastic	Amb GI	Plastic	Plastic	Amb GI	Amb GI		d Name)	d Name)		d Printed Nam	ata				,
Little Rock WWU/Five Mile Box 17898	Pro	ect #:	order #:	#.	ame(s):		rre(s):			Matrix	Wwafer	Wwater	Wwater	Wwater	Wwater	Wwafer	Wwater	Wwater		nature and Profe	nature and Prily				Analyst:	Ime:	Reading:	Office in the distriction of the
Little Rock WWU/Five Mile Box 17898 Little Rock, AR 72117 45-2367 larybeth Eggleston control # Date Time Clond 1/2/2		Permit/Proj	Purchase C	Work Orde	Sampler Na		and Signatu		Collection	Туре	Grab	Grab	Composite	Grab	Grab	Grab	Composite	Grab		Vepelved By (Sign	eceived By: (Sign		Region to lab					
Little Rock WWU/Five M Little Rock, AR 72117 45-2367 45-2367 45-2367 45-2367 45-2367 45-2367 45-2367 45-2367 47-3/2/2 2/2/		le e								Time	1115	1115	1115-111	1115	1115	1115	1119-1119	111			Г		0		h	16		
Little Rock W Box 17898 Little Rock, A 45-7186 45-2367 farybeth Eggle Jent Quarterly ion C Control # COUPP C		WU/Five M					ston	-1st		Date	0	2/2/21	3/2/2	2/2/2	C		-	12/2/2					2/2/21					00 00
	nformation	Little Rock W	3ox 17898	Little Rock, A	45-7186	45-2367	larybeth Eggle	Jent Quarterly-	ion	C Control #		640 J	- 1-7				-1.2										3.PS), Ag(47.PS)	10 DO 10 Ch/E1 DO
	0							nt Number: 244	Sample Identification	intification	TR-MCR-C121	R-MC-01-2	R-MCK-01-21	1-MCR-91-21	R-MCR-01-2	R-MCR-01-21	12-MCR-01-3	ment Blank	- 1	y: (Signature and Printer	y: (Signature and Printed	Comment of the Commen	in Signature and Prime	mpiles to < 6 degree			Ti(28.PS), Cu(29.PC	75/30 DC1 Co/34 E
Client: Address: Address: Address: Address: Address: Address: Anoth Little Rock William Contact: Contact: Sample Identification Iden		Client:	Address:		Phone:	Fax:	Contact:	ESC Clie		lde	FAE W	FME-WI	FME WIT	FME-WT	FME-WI	FME WI	FME-W	Equip		Relinguished By:	Rein duished B	0	Refirquish	Coel all samples	Comments:		Be(4.PS), 1	Cu(40.F U),



Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

-05/05/21 Sample From : FMI-WTR-MCR-Q2-21 : COMP/GRAB WWATER Sample Time : 1010-1010/1010 Composite Date:05/04/21 Sample Type Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 Coutrol Number: 2105010065 Report Date : 05/20/21

Delivery By : JGK Purchase Order : Work Order

BARRETT

Collected By: JASON

Oughty Degrees	Accuracy & Recovery 111.4 * 1100.1 * 1000.1 * 112.1 * 110.0 * 110.0 * 103.6 * 97.9 * 98.2 * 117.8 * 99.3 * 107.3 * 96.9 * 96.9 *	96.00 95.4.4.5 4.4.5
27.	Precision % RPD 3.20 0.29 3.39 2.79 1.01 2.17 6.57 6.57 6.57 6.57 7.18 1.82 1.82 1.82	1.73 2.04 2.90
	Method EPA 200.8 SM 2011 4500-CN E EPA 420.1 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8	EPA 200.8 EPA 200.8 EPA 200.8
	Quantity	
	Notes	
Laboratory Analysis	Result	
	HACH 10265	
	Parameter Beryllium Cyanide Total (HACH 10265 Phenolics Chromium Nickel Copper Zinc Arsenic Selenium Molybdenum Silver Cadmium Mercury Antimony	Thallium Lead
Analvsis	Time 1913 00400 00500 1913 1913 1913 1913 1913 11913 11913 11913 11913	05/10 1913 KNM 05/10 1913 KNM

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. A minimum of 10% spiked and duplicate samples is run on each parameter Quality Assurance Plan on file with Arkansas Department of Environmenta

Signature

Inc. Environmental Services Co.,

Env mental Services Company, Inc. Corporate Office

13715 West Markham P.O. Box 55146

Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565

Fax: 501-221-1341 CH

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

	Client Information				d	1000								
						rioject information	ormation			nc 	Requested	ted Pa	Parameters	rs
Cilent:	North Little Rock WWU/Five Mile	WWU/Five	Mile	Permit/Project #:	oject #:							-		
Address: P	P.O. Box 17898			Purchase Order #:	Order #:	TOONIC	100			T	_		_	
2	North Little Rock, AR	AR 72117		Work Order #	#	2	20			_				
Phone: 5	501-945-7186			Sampler Name(s):	(ame(s):	15	10. 10	-11		_	(-	
Fax: 5	501-945-2367					R	SOUTH OF THE PARTY	F		_	(stne			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	fure(s):	1	2	#		_	uu			
ESC Client Number: 244	2448 Influent Quarterly	∍rly			(2)	9	Benna	*						
Sample Identification	fication		Sample	Collection		3	Sample	Sample Con ainers		9) eb	aS) :			
Identification	ESC Control #	Date	Time	Tvna	Matrix	Trans	1/0		r		_			
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PMT-VTR-MCR -32-21	4	5 3	010	Composite	Wwater	Plastic	8 02	HNO3	-		×	-		T
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Relinguished By: (Signature and Printed Name)	ame)	Date	Time	Received By: (Sig	Received By: (Signature and Printed Name)	Name)	7	26.2	1400	Used?	2	Intact?	L CK	
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verification by (signature and Printed Name)	nted Name)	Date	Time	Received foctab !		Printed Name			Time	Were san	Were samples properly preserved	eriv preser	ued:	I
< 6 deg	with ice.	D 131 C/	9	NAME Y	2007	となる	Zin Ex	_	00	Yes	E		L e	-
Comments: Be(4,HW) Ni(28	8 HW/ Cura HM/ A	C/33 HIAN AG	AND THE CALL	I		1	Field Test	ime	Analyst	Result	Result		Units	Γ
	TI(81.HW), Pb(82.HW), Hg (50.15)	יל יו ויסכופי	(47. nvv), Ca(46.nvv)	I	Analyst:	1								Γ
. Cr(24.HW), Zn(3	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(Mo(42.HW), §	3b(51.HW), 0(51.HW), 00.HG, 00.MD	Reading:	T								
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Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel.

-05/05/21 Sample From : FME-WTR-MCR-Q2-21 Sample Type : COMP/GRAB WWATER Sample Time : 1020-1020/1020 Composite Date: 05/04/21 日子子 Customer Name : NORTH LITTLE ROCK-FIVE MILE Customer/Permit No. : 2447 / AR00020320 Control Number: 2105010467 Report Date: 05/27/21

Collected By: JASON BARRETT Delivery By : JGK Work Order

Purchase Order :

Onality Daenronge	Accircacy	* Recovery	111.4 *	*	*	* 0.00	112.1 *	101.2 *	110 4 *	* 0	* 50.00	* 0.76	* 000	*	*		* 96	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	* 0.00	, w
Onality	Precision	% RPD	3.20	0.29	000	0.00	2.79	1.20	1.01	2.17	0 11	0.56	0.73	3.05	1.80	0.84	1.73	2.04	2.90	00.00
		Method	EPA 200.8	SM 2011 4500-CN E	M	EPA 420.1	EPA 200.8	EPA 365.1	EPA 200.8		EPA 200.8							EPA 200.8	EPA 200.8	HACH 10206
		Quantity																		
		Notes																		
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	5.220 ng/L	< 0.005 mg/L	< 20.00 ug/L	2.260 mg/L	< 20.00 ug/L	< 20.00 ug/L			< 15.00 ug/L	< 50.00 ug/L		< 20.00 ug/L	< 10.00 ug/L	< 50.000 ug/L	< 10.00 ug/L	0.28 mg/L
La		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead	Nitrate + Nitrite
	Analysis	Date Time By	05/10 2011 KNM	05/13 0400 NTR	05/25 1031 TA	05/13 0550 NTR	2011		2011	2011	2011		2011		2011	05/10 2011 KNM			2011	05/10 0915 KNM

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Inc. Services Co., Environmental

1107 Century Avenue Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Tel.

Collected By: JASON BARRETT Delivery By : JGK Sample From : EQUIPMENT BLANK : GRAB WWATER 05/04/21 : 1020 Time Sample Type Date Sample Sample Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Control Number: 2105010064 Report Date: 05/27/21

Purchase Order : Work Order

100.0

% Recovery Accuracy Quality Assurance Precision % RPD 0.00 Method EPA 1631E Quantity Notes Laboratory Analysis 0.330 ng/L Result Mercury, low level Parameter Date Time By 05/25 1046 TA Analysis

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.

En(mental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham

Little Rock, AR 72211

website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341

Phone: 501-221-2565



Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

											1				
	Client Information				Pre	Project Information	ormation			IK.	Requested	ssted		Parameters	[₀
Client:	North Little Rock WWU/Five M	WWU/Five A	Aile	Permit/Project #:	ject #:						-	_		_	
Address:	P.O. Box 17898			Purchase Order #;	Order #:	3 10kg	Col								
	North Little Rock, AR	AR 72117		Work Order #	# 1.					_	(
Phone:	501-945-7186			Sampler Name(s):	ame(s):	1	Jason Roman	*			92)				
Fax:	501-945-2367					Deven.	7.5			_	letc	_			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):		W	#		·			(1		
ESC Client Number: 24	2447 Effluent Quarterly	ırly			1	Par	and	3		_		_	£.31		
Sample Identification	tification		Sample (Collection	7		Sample (Sample Containers) əbir	ON+	S) 8	.)Ainc		
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	tive #	-	_	_	метс	_	
FME-WTR-MCR-02-217/10501040	2105010407	5 5 21	1020	Grab	Wwater	Plasfic	8 oz /	NaOH+Asc Acid			+-	-		\vdash	Τ
FME WITH-MCR-G2-21	0	5-5-31	07.01	Grab	Wwater	Glass	1 Liter V	1 Liter V CusO4+H2SO4	-		×			L	
FME WTB MCB GR I		S. 5 -21	वट्	Grab	Wwater	Plastic	8 oz V	VH2SO4	-		×				
FME WTR-MCR-522-21		5- 5-21	1020	Composite	Wwater	Plastic	8 oz V	HNO3	-			×			
FME WTR MCR BOM		5-5-2	1020	Composite	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	-				×		
Equipment Blank	2169010044	5 5 -2	1820	Grab	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	1				×		
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Painous Consult Consult of the Consu	Town I														
Con Reserve	(alle)	S. 5.2		Kecelived By: Sig	Received by: Signature and Printed Name	ζ,	why	Date 5/5/2/	Time [U.S.C.]	Custody Seals: Used?	Seals:	F	Intact		
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Comments:				直総	Analyst:						H				Г
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Cd(48.PS), Tl(81.PS), Pb(82.PS)	S),		13		Reading: Units:						+				T
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P)	S), 00.MD		Distor	Chlorinated?	ι Ζ ≻	Fecal Start:			This D	This Document is Page	ent is	Page	70	Τ
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Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

Composite Date:08/09/21 -08/10/21 Sample Time : 1020-1020/1020(8/10) : COMP/GRAB WWATER Composite Date: 08/09/21 Sample Type Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 Control Number: 2108010056 Report Date: 08/19/21

7: JASON BARRETT/B : DMP Collected By: Delivery By Work Order

Sample From : FMI-WTR-MLR-Q3-21

Purchase Order : 211470

	Quality Assurance	Accuracy	* Recovery	104 1 *	* C	0.601	* * * * *	116.3 *	110 4) **) r	* * * TTT	105.9 *	+ 0 000		* 0.88	* 88	* 7 601		× 5.26	78.2	+ 0 0	0.17	120.0 *	117.4 *
	Drogiety /	HOTSTON TA	* KPD	0.65	2 67		ν. υ.	0.84	1.24		1.00	3.45	7 0 1	9 6	40.0	2.57	0.1	0 0	T.03	2.05	00 1	1	1.30	1.21
		7 (2)	MECTION	EPA 200.8	SM 2011 4500-CN E		H	E.VO 700.8	EPA 200.8			EPA 200.8	EPA 200.8		0.003	EPA 200.8	EPA 200.8	ED 200 8		EPA 245.1	EPA 200.8		-	EPA 200.8
		O Tantitude	Yadiletey																					
	25	Notes																						
Laboratory Analysis		Result	4		< 0.0100 mg/L	0.06 mg/L	0000		0200	0200	0000	2 / 7/2	0100	0150	000	2000	1200	< 0.0200 mg/L	0	0000	< 0.0100 mg/L	0000	0 1	U.0257 mg/L
I		Parameter		ייייייייייייייייייייייייייייייייייייייי	Cyanide Total (HACH 10265	Phenolics	Chromium	771.0.3	I C C C C C C C C C C C C C C C C C C C	Copper	24:2		Arsenic	Selenium	Molyhdenim		Silver	Cadmium	Marchine	rici cui y	Antimony	Thallium	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	רפשת
	Analysis	Date Time By			0320 TT	0430	08/18 0710 NTR	0 110	H .	0710	0710	1 -	07/0	08/18 0710 NTR	9710 NTB		ALM OTIO	08/18 0710 NTR	1030		OTIO	08/18 0710 NTR	0	O + C

QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.

Env. mental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565 Fax: 501-221-1341



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

O	Client Information				Prc	Project Information	ormation			2	POLIDST	Regisested Parameters	meters
Client:	North Little Rock WWU/Five Mi	WWU/Five A	Aile	Permit/Project #	l								
Address:	P.O. Box 17898			Purchase Order #:	Order #:	21147	70			_			
	North Little Rock, AR	AR 72117		Work Order #	# ::							_	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	To son	Joseph Barret				(
Fах:	501-945-2367					Brvan	Cost				sjuer		
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):	0	Cal.	7			มเมอ		
ESC Client Number: 24	2448 Influent Quarterly	ırly				Burne	200	7			-		
Sample Identification	tification		Sample	Collection		0	Sample C	Sample Containers) əbir () slor	s) sl		
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	# e				
FMI-WTR-MCR-022	210801086	8/10/21	000	Grab	Wwater	Plastic	8 02	NaOH+Asc Acid	-	×			
FMI WITH - MCR-6321		8/10/21	1020	Grab	Wwater	Glass	1 Liter	1 Liter V CusO4+H2SO4	-		×		
FMT WTR MCR 6321		10/01/8	000	Composite	Wwater	Plastic	8 oz	HNO3	-		×		
										\vdash	1		-
Reliny lished Ru. (Sign and Brighed Nome)	Nomel												
San Sand	(0110)	8/10/21	0/5/	David Sty	Dail 20 Free Phora Proposition	罗光	PICA		五 万 万	Custody Seals: Used?	Seals:	intact?	
Relipidished By: (Signature and Printed Name)	Name)	Date	Тіте	Received By: (Sig	Received By: (Signature and Printed Name)	Name)				Turnaround Regular	T I	Special	
Relinquished By: Signature and Printed Name)	OF PIERE	08/10/21	Time 1628	Regained for Lab By. (Signature and Printed Name)	by. (Signature and	Printed Name)	3	Date Date	Time 167.8	Were sam	mples prop	Were samples properly preserved	
Cool all samples to ≤ 6 dégrees C with ice.	s C with ice.				FJew Da	Data /	est	Г	Т	Result	Result	F	Units
Comments: Be(4.HW), Ni	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Ti(81.HW), Pb(82.HW), Hz (50.15)	1s(33.HW), Agi	(47.HW), Cd(-		Ahalyst:							H	
Cr(24.HW), Z	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW), S		51.HW), 00.HG, 00.MD	Reading:						1		
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					Chlorinated?	Z >	Fecal Start:			This D	ocument	This Document is Page	ō



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(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel

Collected By: Delivery By Sample Time : 1030-1030/1030(8/10) -08/10/21 Sample From : FME-WTR-MLR-Q3-21 : COMP/GRAB WWATER Composite Date: 08/09/21 Sample Type : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 2108010472 Report Date : 08/26/21 Control Number: Customer Name

Purchase Order: 211470 Work Order

BARRETT/B

JASON

.. DMP

% Recovery Accuracy 86.0 104.9 101.0 99.66 104.1 109.0 91.5 116.3 7.66 111.4 88.0 88.8 109.6 92.3 84.8 110.3 105.9 120.0 117.4 Quality Assurance Precision 0.65 0.00 1.24 4.55 3.45 0.64 % RPD 0.84 0.84 0.51 1.07 0.04 2.57 1.89 1.09 11.11 团 SM 2011 4500-CN Method HACH 10206 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 EPA 200.8 EPA 1631E EPA 354.1 EPA 420.1 200.8 365.1 EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA Quantity Notes Laboratory Analysis ng/Img/L mg/L mg/I mg/L ng/Ir ng/L ug/L ug/L ug/L ng/L ug/Ir ng/I ng/Ir ng/I ng/Ir ug/L ng/I < 10.00 < 15.00 0.6980 < 50.00 < 0.0100 > 8.640 < 2.0000 < 120.0 < 0.005 < 20.00 3.510 20.00 < 20.00 50.00 < 50.00 < 20.00 < 10.00 < 50.000 Result 25.47 Cyanide Total (HACH 10265 (as P) Phenolics, Low Range Mercury, low level Phosphorus, Total Parameter Nitrate Nitrogen Nitrite Nitrogen Molybdenum 3ervllium Chromium Selenium rhallium Antimony Arsenic Cadmium Silver Copper Nickel Zinc Lead. ACZ BXW BXW NTR NTR NTR NTR NTR NTR NTR NTR NTR NTR NTR NTR NTR NTR NTR Analvsis 0320 0710 0710 Time 0710 1310 0430 1130 0710 0710 0110 0710 0710 0710 0710 0710 0710 0710 1113 1651 08/10 08/18 08/18 08/19 08/18 08/18 08/25 08/16 08/11 08/18 08/18 08/18 08/18 08/18 08/18 08/18 81/80 08/11

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included spiked and duplicate samples is run on each parameter A minimum of 10%

Signature

Services Co., Inc. Environmental

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Northwest Arkansas Branch 1107 Century Avenue

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Collected By: JASON BARRETT/B Delivery By : DMP : GRAB WWATER 08/10/21 : 1030 Time Type Sample Date Sample Sample Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Control Number: 2108010473 Report Date : 08/26/21

: EQUIPMENT BLANK Sample From

Purchase Order : 211470 Work Order

> Quantity Notes Laboratory Analysis 5.530 ng/L Result Mercury, low level Parameter Date Time By 08/25 1315 ACZ Analysis

Method EPA 1631E

% Recovery Accuracy Quality Assurance Precision % RPD 0.00

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website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

S	Client Information				Pro	Project Information	rmation				Segui	este	Pa Pa	Requested Parameters	
Client:	North Little Rock WWU/Five M	WWU/Five I	Mile	Permit/Project #:	1						-	\vdash			L
Address:	P.O. Box 17898			Purchase Order #:	Order #:	SII470	01			_					
	North Little Rock, AR 72117	AR 72117		Work Order#	#Je					r					
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Jasen	Rycret	#		_	,				
Fax:	501-945-2367					Rryan	Cost			T	36/0				
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	a	(2)	#		_	_			(_
ESC Client Number: 24	2447 Effluent Quarterly	erty				2	7	1		(.8				16.31	
Sample Identification	tification		Sample	Collection		0	Sample C	Sample Containers) əbii	_		(.91)	,)Ain:	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	ive #	Cyan	Phen	NO3 Meta	_	Merc	
FME-WTR-MCR-CO3-21	200000000	8/10/8	1080	Grab	Wwater	Plastic	8 oz V	NeOH	-	×	H	\vdash	L		
FME WITE MCR-C23 21		8/10/8	1030	Grab	Wwater	Glass	1 Liter V	1 Liter V cusO4+H2SO4	-		×				
FME-WTR-MCK-63-21		8/10/31	(830	Grab	Wwater	Plastic	8 oz V	H2SO4	-		\vdash	×	-		
FME-WTR-MCR-03-21		8/10/21	0%0)	Grab	Wwater	Plastic	∑zo 8	Cool < 6° C	-			-	×		
FME-WTR-MCR-G3-81		8/10/26	(9 <i>%</i>	Composite	Wwater	Plastic	8 oz 🗸	HNO3 to pH <2	4			×	\vdash		
FME WTR MCR-08-21	MA	12/01/8	QE 0)	Composite	Wwater	Glass	250 mi	Cool < 6° C	-			-		×	
Equipment Blank	210Boto85	8/10/21	1030	Grab	Wwater	Glass	250 ml	Cool 2 6° C	-			\vdash	L	×	
	2102010473										╁	-	1	\perp	Γ
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Relinguished By. (Signature and Printed Name)	Name)	8/16 /XI	1410		Signature and Printed Name	B	PTRE Callet	Date Collection	Time 1	-	Custody Seals:	1.			T.
Representation and Printed	Name)	Date	Time	Received By: (Sig	Signature and Printed Name)			Date	Time			4			Ι
Refrantished Br. (Signature and Desired	Manak									Regular	L	<u></u>	Special	Clal	
Collection and reflect of 10/20	OF PIFRIE	08/10/21	829)	Received for Lab	~~	and Printed Name)	nmu	Date 5/10/21	Time (62.8)	Were s	Were samples properly preserved: Yes	proper	ty prese	No No	
	s c with ice.			1	Flow Data		Field Test	Time A	Analyst	Result	Г	Result	L	Units	Γ
Comments:				直然回	Analyst:)				Н		L		
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), An(47.PS)	As(33 PS) An(47 PS)			10000	ordina:	Ī					+				
Cd(48.PS), Tl(81.PS), Pb(82.PS)	(S),				Units:						+		1		T
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	S), 00.MD			nated?	Z	Fecal Start	T		This T	This Document is Doco	i tug		ţ	T
1.00						1							20		7

Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565Tel.

Northwest Arkansas Branch 1107 Century Avenue

Springdale, AR 72762)750-1170 Fax (479)750-1172 Tel. (479)750-1170

Sample Time : 0825-0825 0825 Composite Date: 10/26/21 Sample Type Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 2110010057 Report Date : 11/19/21 Control Number:

: GRAB/ COMP WWATER Sample From : FMI-WTR-MCR-Q4-21

Purchase Order Work Order

Collected By: JASON BARETT Delivery By : JASON BARETT

-10/27/21

	L	Laboratory Analysis				Ouality Assurance	ssurance
Analysis						Precision	Accuracy
Date Time By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
10/28 1320 NTR	Beryllium	< 0.0500 mg/L	TO TO		EPA 200.8	6.70	108.7 *
10/29 0400 NTR	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	4.44	112.5 *
10/29 0515 NTR	Phenolics	0.16 mg/L			EPA 420.1	1.60	4 4. 4.
10/28 1320 NTR	Chromium	200			EPA 200.8	2.53	109.2 *
1320	Nickel	400				1.18	* 9.88
10/28 1320 NTR	Copper	200			EPA 200.8	9.46	104.3 *
1320	Zinc	980				10.89	* 6.67
1320	Arsenic	100			EPA 200.8	3.76	* 7.86
10/28 1320 NTR	Selenium	150				2.85	* 1.96
	Molybdenum	200			EPA 200.8	9.58	81.4
1320	Silver	200			EPA 200.8	0.77	80.3 *
1320	Cadmium	< 0.0200 mg/L			EPA 200.8	2.20	111.9 *
11/01 1130 NTR	Mercury	020			EPA 245.1	2.67	94.5 *
	Antimony	< 0.0100 mg/L			EPA 200.8	4.24	74.7 *
	Thallium	200			EPA 200.8	7.86	112.6 *
10/28 1320 NTR	Lead	340			EPA 200.8	0.73	89.3 *

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Services Co., Inc. Environmental

Environmental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1ESC

Signal Barrell Sample Containers Sample Containers Sample Containers strix Type Volume Preservative # vater Glass 1 Liter CusocxH2804 1 va	3	Client mormation												COCHE SOLLE	2
P.O. Box 17898 Purchase Order # Purchase Orde		North Little Rock V	/WU/Five N	Aile	Permit/Proje								-		
North Little Rock, AR 72117 Work Order #		P.O. Box 17898			Purchase C	rder#:	2120	300					-		
Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Containers		North Little Rock, A	AR 72117		Work Order	#									
Sample Identification Sample Containers Sample Containers Sample Containers		501-945-7186			Sampler Na	•	Jasas	Rorrell				(s			
MS. Marybeth Eggleston and Signature(s): Sample Containers Sample Collection Sample Containers Fig. Sample Identification Fig. Sample Collection Sample Collection Sample Containers Trans Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Fig. Sample Containers Trans Fig. Sample Containers Trans Fig. Sample Containers Trans Fig. Sample Containers Trans Trans Fig. Sample Containers Trans Fig. Sample Containers Trans Fig. Sample Containers Fig. Sample Containe		501-945-2367				,	Berson C	Han				Juəu	-		
Highent Quarterly stion Sample Collection Sample Containers SC Control # Date Time Type Water Plastic 8 oz / Machinesered 1 Doco DS 7 D-27-21 OR25 Grab Wwater Glass 1 Liter Cuscontisced 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Dose Do-27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Dose Dose No. 27-21 OR25 Composite Wwater Plastic 8 oz / HNO3 1 Dose Time Receive By (Signature and Printed Mame) 1 Dose Time Receive By (Signature and Printed Mame) 1 Dose Time Received By (Signature and Printed Mame) 1 Do		Ms. Marybeth Eggl	eston		and Signatu	ıre(s):		Bonet	4			ımoc			
Sample Collection Sample Collection Sample Containers		48 Influent Quarte	rly			, /	1) 99			
SC Control # Date Time Type Water Type Volume Preservative #	Sample Identi	ification		Sample	Collection			Sample C	Containers		ebin elon	S) sle			
Doto DS 7 D-27-21 Dを25 Grab Wwater Plastic 8 oz / Nachtweemed 1 D-27-21 Dを25 Grab Wwater Glass 1 Liter CusO4+H2804 1 D-27-21 Dを25 Composite Wwater Plastic 8 oz HNO3 1 Date Time Received for Lab By: (Signature and Priped Name) Date Time Received for Lab By: (Signature and Priped Name) Date Time Received for Lab By: (Signature and Priped Name) Date Time Received for Lab By: (Signature and Priped Name) Date Time Analyst HWW, Rg (47.HW), Ag (47.HW), Cd (48.HW) Analyst HWW, Mg (50.15) Time: HWW, Mg (50.15) Time: HWW, Se (33.HWV), No. HG, 00.MD Received for Lab By: (Signature and Priped Name) Date Time Analyst HWW, Rg (50.15) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Date Time Analyst HWW, Rg (50.15) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Time: HWW, Rg (50.15) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Time: HWW, Rg (50.15) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Time: HWW, Rg (50.15) Time: HWW, Rg (50.15) Time: HWW, Received for Lab By: (Signature and Priped Name) Time: HWW, Rg (50.15) Time:	Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservativ	-		steM	-		
10-27-21 COCT Composite Wwater Class 1 Liter Cuscouttings 1	FMI WTR-MUR BY-2)	7110 010 01F	15 27 21	0825	Grab	Wwater	Plastic	8 oz 🗸	NaOH-MERICA	-	×				
Date Time Received By: (Signature and Printed Mame) Date Time Received By: (Signature and Printed Mame) Date Time Received By: (Signature and Printed Mame) Date Time Received By: (Signature and Printed Mame) Date Time Received for Lab By: (Signature and Printed Mame) Date Time Received for Lab By: (Signature and Printed Mame) Date Time Received for Lab By: (Signature and Printed Mame) Date Time Time How Data Field Test Time Analyst Hwy, Cu(29-Hwy), Ag(47.Hwy), Cd(48.Hwy) Analyst Time: Time Analyst Time: Time Time: Time Time: Time	FMI WTR - MCR - 64 21	_	וג-רג טו	0825	Grab	Wwater	Glass	1 Liter	Cu804+H2\$04	-	×				
Date Time Received By: Fignature and Prined Name COUNTY IMPS	FMI WTR MCR-COU'S	4	16 27 21	0825	Composite	Wwater	Plastic		HN03	-		×			
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Ith ice. In 1967 1 1 100 1 10	Relinquished By: (Signature and Printed &	Mamel	Plate	Time	Received for Lab B	Population and	Drinted Mame		otoC		Mara cam	7	de de de	Scient Scient	4
nples to ≤ 6/degrees C with ice. Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Ti(81.HW), Pb(82.HW), Hg (50.15) Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), 00.HG, 00.MD Reading:	Landen Kelly L	faile	18/201	\$1709	las Ma	A JAM	10	end or	10/2 8/21 8	$\overline{}$	Yes No		send dua	L S S	_
Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Ti(81.HW), Pb(82.HW), Hg (50.15) Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), 00.HG, 00.MD	all samples	C with ice.			111	FIO	ta	Field Test	Г	-	Result	Result	H	Units	
), Mo(42.HW), Sb(51.HW), 00.HG, 00.MD		(28.HW), Cu(29.HW), A	s(33.HW), Ag			Analyst:							H		
\neg	TI(81.HW), Pt	5(82.HW), Hg (50.15)			П	Time:									
	Cr(24.HW), Zi	n(30.HW), Se(34.HW),	Mo(42.HW), 5	Sb(51.HW), 00		Reading:									
						Units:									
Chlorinated? Y N Fecal Start: This						Chlorinated?	z	Fecal Start:			This Document is Page of	cument	t is Paç	le tof	

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel

> Sample Time : 0810-0810 Composite Date: 10/26/21 Sample Type EFF Customer Name : NORTH LITTLE ROCK-FIVE MILE Customer/Permit No. : 2447 / AR00020320 2110010627 Report Date : 11/26/21 Control Number:

: GRAB/ COMP WWATER Sample From : FME-WTR-MCR-Q4-21

-10/27/21

Collected By: JASON Delivery By: HMK Purchase Order : Work Order

BARRETT

	Labo	Laboratory Analysis				4.7.	
Analysis						Drecision	Agamon
Date Time By	Parameter	Result	Notes	Ouantity	Method	# PDD	Accuracy Pogonomy
10/28 1320 NTR	Beryllium	ug/L			RPA 200 B	A AA	A TOTAL
10/29 0400 NTR	Cyanide Total (HACH 10265	100			SM 2014 1100 MS	7 7 7	107.7
11/12 1153 ACZ	Mercury, low level					# C	* 0.244
10/28 0550 NTR	Nitrate Nitrogen				HACH 10206		* * 0.00
10/28 0515 NTR	Nitrite Nitrogen	7600			RPA 254 1		: 1
10/29 0515 NTR	Phenolics, Low Range				1 00 T DD	4 .	
10/28 1320 NTR	Chromium	000				1	* 2.101
000	100	9 6				2.53	7.607
0 # O T	Filospilorus, Toral (as F)	780	•			0.89	* 00.00
1320	Nickel	0.00			EPA 200.8	1.18	88
1320	Copper	< 20.00 ug/L			EPA 200.8	9.46	104 3
10/28 1320 NTR	Zinc	< 50.00 ug/L			EPA 200.8	98.01	0 0 0
1320	Arsenic	00.0			EPA 200.8	3.76	0.00
10/28 1320 NTR	Selenium	< 15.00 ug/L			EPA 200.8	0 0	- y6
1320	Molybdenum	< 50.00 ug/L				9.28	4 4
1320	Silver	0.0				0.77	
1320	Cadmium					2.20	111.9
1320	Antimony	< 10.00 ug/L			EPA 200.8	4.24	74.7
1320	Thallium					7.86	112.6
10/28 1320 NTR	Lead	12.88 ug/L			EPA 200.8	0.73	89.3

OA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature

Environmental Services

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Collected By: JASON BARRETT Delivery By : HMK Work Order Sample From : EQUIPMENT BLANK Sample Type : GRAB WWATER Composite Date:10/27/21 Sample Time : 0810 Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Control Number: 2110010056 Report Date : 11/26/21

Purchase Order :

84.0

% Recovery Accuracy Quality Assurance Precision 0.00 % RPD Method EPA 1631E Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 11/12 1158 ACZ Analysis

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Co., Inc. Environmental

Envirol sental Services Company, Inc.

Corporate Office

Little Rock, AR 72215 P.O. Box 55146 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

Date Date	Pornth Little Rock WWU/Five Mile	O	Client Information				Pro	Project Information	rmation			Re	duesi	led P	Requested Parameters	ters
Puch ase Order #	Puchase Order #: 313028 Purchase Order #: 313028 Purchase Order #: 501-945-7186 Sampler Name(s): 3610-945-7186 Sampler Name(s): 3610-945-7186 Sampler Name(s): 3610-945-7186 Sampler Collection Sample Conference Sampler	Client:	North Little Rock V	WWU/Five N	lile	Permit/Proj	1									
Sampler Name(s): According Received by Control # According Name(s): According Received by Control # According Name(s): Acco	Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Conference Sampler	Address:	P.O. Box 17898			Purchase (Jrder#:	2130	28							
Marybeth Eggleston	Sampler Name(s): Sampler Name(s): Sampler Name(s): Sampler Control # Sample Control # Sample Collection Sample Control # Sample Collection Sample Control # Sample C		North Little Rock,			Work Orde	# 1									
Ms. Marybeth Eggleston Ms. Marybeth Eggleston 447 Effluent Quarterly 447 Effluently 447 E	Marybeth Eggleston	Phone:	501-945-7186			Sampler N	ame(s):	Tosser	Bace	#			('9	(s		
Ms. Marybeth Eggleston and Signature(s): Branch Confainers 447 Effluent Quarterly Sample Collection Sample Confainers ESC Control # Date Time Type Wwater Plastic 8 oz	Marybeth Eggleston	Fax:	501-945-2367				,	Bryan	-				D(5	nent		
### ESC Control # Date Time Type Matrix Type Volume Preservative ## ESC Control # Date Time Type Matrix Type Volume Preservative ## As Incorce 2.7 (0-17-1) 08(0 Grab Wwater Glass 1 Liter Voscot-reson 1 (0-37-4) 08(0 Grab Wwater Plastic 8 oz / H2SO4 1 (0-37-4) 08(0 Grab Wwater Plastic 8 oz / H2SO4 1 (0-37-4) 08(0 Grab Wwater Glass 250 ml / Cool ≤ 6°C 1 (0-37-4) 08(0 Grab	### Sample Confidences ### ESC Control # Date Time Type Matrix Type Volume Preservative ## 1 ### Alicopic 6.2.7.1.1.10 0810 Grab Wavater Glass 1 Liter Volume Preservative # 1 ### Alicopic 6.2.7.1.2.10 0810 Grab Wavater Plastic 8 oz / HOSO4 1 ### Alicopic 6.2.7.3.10 0810 Grab Wavater Plastic 8 oz / HOSO4 1 ### Alicopic 6.2.7.3.10 0810 Grab Wavater Plastic 8 oz / HOSO4 1 ### Alicopic 6.2.7.3.10 0810 Grab Wavater Plastic 8 oz / HOSO4 1 ### Alicopic 6.2.3.7.3.10 0810 Grab Wavater Plastic 8 oz / HOSO4 1 #### Alicopic 6.2.3.7.3.10 0810 Grab Wavater Plastic 8 oz / HOSO4 1 #### Alicopic 6.2.3.7.3.10 0810 Grab Wavater Glass 250 ml/ Cool 6.0.0 1 #### Alicopic 6.2.3.7.3.10 0810 Grab Wavater Glass 250 ml/ Cool 6.0.0 1 ##### Alicopic 6.2.3.7.3.10 0810 Grab Wavater Glass 250 ml/ Cool 6.0.0 1 ###################################	Contact:	Ms. Marybeth Egg	leston		and Signati	ure(s):	d	1			(7	-	imoc	(11	
ESC Control # Date Time Type Matrix Type Volume Preservative # ESC Control # Date Time Type Matrix Type Volume Preservative # 1 Alicotic Ca.7 C-17-31 O810 Grab Wwater Glass 1 Liler Cuscotivescot 1 C-37-31 O810 Grab Wwater Plastic 8 oz / H2SO4 1 C-37-31 O810 Grab Wwater Plastic 8 oz / H2SO4 1 C-37-31 O810 Grab Wwater Plastic 8 oz / H003 to pH < 2 1 C-37-31 O810 Grab Wwater Plastic 8 oz / H003 to pH < 2 1 C-37-31 O810 Grab Wwater Glass 250 mJ / Cool ≤ 6°C 1 C-37-31 O810 Grab Wwater Glass 250 mJ / Cool ≤ 6°C 1 C-37-31 O810 Grab Wwater Glass 250 mJ / Cool ≤ 6°C 1 Grab Wwater Glass Composite Grab Wwater Glass Composite Grab	ESC Control # Date Time Type Matrix Type Volume Preservative # 1 Alicotic Ce 27 Ce 17-34 O810 Grab Wwater Plastic 8 oz / Nach 1 1 1 1 1 1 1 1 1 1		447 Effluent Quarte	ırly				1	2 mon	3.6			_	-		
ESC Control # Date Time Type Water Type Volume Preservative # 3 Doctoco 27 C-17-31 O810 Grab Wwater Glass 1 Liter / Cusco+vezco 1 10-2/7-31 O810 Grab Wwater Plastic 8 oz / H2SO4 1 10-3/7-31 O810 Composite Wwater Plastic 8 oz / H1O3 to PH <2 1 10-3/7-31 O810 Composite Wwater Plastic 8 oz / H1O3 to PH <2 1 10-3/7-31 O810 Composite Wwater Glass 250 ml / Cool ≤ 6 C 1 2110010056 0-3/7-31 H4(8 H100 H100 H100 H100 H100 H100 H100 H100 10-3/7-31 H4(8 H100 H100 H100 H100 H100 H100 H100 H100 10-3/7-31 H4(8 H100 H100 H100 H100 H100 H100 H100 H100 10-3/7-31 H4(8 H100 H100 H100 H100 H100 H100 H100 H100 H100 10-3/7-31 H4(8 H100 10-3/7-31 H4(8 H100	ESC Control # Date Time Type Whater Type Volume Preservative # 211001000037 10-17-31 0810 Grab Whater Glass 1 Liter Volumes 1 10-27-31 0810 Grab Whater Glass 1 Liter Volumes 1 10-27-31 0810 Grab Whater Plastic 8 oz V HXSO4 1 10-27-31 0810 Grab Whater Plastic 8 oz V HXSO3 1 10-27-31 0810 Grab Whater Plastic 8 oz V HXSO3 1 10-27-31 0810 Grab Whater Glass 250 mi Cool ≤ 6°C 1 10-27-31 1448 Received By: Baratus and Fringed Mampy 105-20 1444 10-27-31 1448 Received By: Baratus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By Signatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By Signatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 105-20 1444 10-27-31 1448 Received Gy: By: Risgnatus and Fringed Mampy 1444 10-27-31 1448 Risgnatus and Fringed Mampy 1444 10-27-31 1444	Sample iden	tification		Sample	Collection	0		Sample C	ontainers		-	_			
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Chlorinated? Y N Fecal Start.	Chlorinated? Y N Fecal Start.	Cd(48.PS), TI(81.PS), Pb(82.F)(Sc				Units:							H		
	I NO	Cr(24.PS), Zn(30.PS), Se(34.F	S), Mo(42.PS), Sb(51.F	S), 00.MD	2			z	Fecal Start:			This D	ocume	nt is P	age Lo	Ţ

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue' (479)750-1170 Tel Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Collected By: Work Order Sample Time : 0910-0910/0910(02/02 Sample Type : COMP/GRAB WWATER Composite Date: 02/01/21 Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2102010055 Report Date : 03/08/21

JASON BARRETT Delivery By : WGW Purchase Order : Sample From : MMI-WTR-MCR-Q1-21

* Recovery Accuracy 112.6 106.7 94.8 111.2 108.3 83.9 111.1 91.9 103.8 101.9 114.2 109.1 86.4 97.0 Ouality Assurance Precision 3.39 2.29 2.99 1.55 0.95 9.49 % RPD 0.97 3.60 10.37 0.63 4.00 5.69 0.14 H SM 1999 4500-CN Method EPA 420.1 EPA 200.8 EPA 200.8 200.8 200.8 200.8 245.1 200.8 EPA 200.8 200.8 200.8 200.8 200.8 200.8 200.8 EPA EPA EPA EPA EPA EPA EPA EPA EPA Quantity Notes Laboratory Analysis mg/L mg/L mg/L mg/L mg/L mg/L mg/I mg/L mg/Lmg/I mg/L mg/L 0.0040 mg/L 0.15 0.0340 0.0060 0.0459 0.0000 0.0153 0.0206 0.0000 0.0010 0.0374 0.1471 0.0064 0.0040 Result 0.0106 1.0437 ٧ Cyanide Total (HACH 10265 Parameter Molybdenum Beryllium Shenolics Chromium Selenium Thallium Antimony Arsenic Cadmium Mercury Copper Nickel Silver Zinc Time By 1340 KNM NTR KINIM KNIM KNW KS KNIM KNIN KNIM KNIM KNIM KNW KNW KNIM Analysis 0320 0330 1159 1340 1340 1340 1340 1340 1340 1340 1340 1340 1206 1340 02/10 02/10 02/10 02/08 02/10 02/10 02/10 02/10 02/10 02/10 02/10 02/13 02/10 02/10 02/11 Date

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136, where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature

Services Co., Environmental



Env mental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

AWVU/Maumelle Permit/Project #: 28 AR 72117 Work Order # Sampler Name(s): 35 Sampler Name(s): 35 Sampler Name(s): 35 A/A/2 OGIO Grab Wwater Pla A/A/A/2 /A/A/A/A/A/A/A/A/A/A/A/A/A/A	O	Client Information				Pro	piect Info	rmation			2	91150	T Post	arama	toro
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## Control ## Date Time Type Marrix Type Volume Preservative ##	Name.	NOUTH LITTLE ROCK W	AA O/Nego	200	Permitter of	Ject #.	200						_		
Marybeth Eggleston and Signature(s): Marybeth Eggleston and Signature(s): Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection		North Little Dock A	72447		Mork Ordo	֓֞֝֝֓֞֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	A CAR								_
### Sample Name(s): Joseph Rochtsiners ### Sample Collection		NOTHI FILLE NOON, A	W 12111		NOIN CION	t					_				
And Signature(s): Marybeth Eggleston Influent Quarterly sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection Sample Collection 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		501-945-7186			Sampler N	ame(s):	Josep	Rorret				(s)			_
Marybeth Eggleston Influent Quarterly stion Sample Collection SC Control # Date Time Type Wwater Plastic 8 oz / HNO3 1 2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/2/3 0910 Grab Wwater Plastic 8 oz / HNO3 1 A.2.1-2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/		501-945-2367					B	yan C	to.		_	นอน			-
Hoffuent Quarterly stion Sample Collection Sample Collection Sistematics Siste		Ms. Marybeth Eggl	eston		and Signat	ure(s):	3	S	#			moC			
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SSC Control # Date Time Type Mairx Type Volume Preservative #	Sample Ident	ification		Sample (Collection)	Sample C	ontainers						
2.1-21 24 25 24 25 25 25 25 25	Identification	ESC Control #	Date	Time	Type	Matrix		Volume	Preserva	\vdash	_				
1	MMI WTR MCR-0121	2102010055	2/2/21	0160	Grab	Wwater	Plastic	8 oz 🗸	NaOH+Asc Acid		×	_			H
2-1-2/2/2/2 0-1/2 Composite Wwater Plastic 8 oz / HNO3 1	MMI WTR-MCR-0121		_	0910	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	~		×			
Date Ime Received by Stocklure and Printed Name) 27 2/21 Mill Coulty HW), As(33.HW), Ag(47.HW), OD.MD HW), Se(34.HW), Mo(42.HW), Sb(51.HW), OD.MD Date Time Time Analyst: HW), Se(34.HW), Mo(42.HW), Sb(51.HW), OD.MD Reading: Chlorinated? Y N Fexal Start: Chlorinated? Y N Fexal Start:	MMI VIR MCR 0121	1 2.1-	2/2	091D CA	Ocomposite	Wwater	Plastic	8 oz V	HN03	-		×			
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ples p ≤ b degrees C with Ice. / I Analyst Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Analyst: Ti(81.HW), Pb(82.HW), Hg (50.15)	Reinquished By: (Signature and Printed I	Will sechlby	2/2/2	1 (TW)	Received for Lab I	By (Signeture and	Printed Name		222 U	Fine 3	Were se	amples pr	operly pr	eserved: No	lг
Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Analyst: T(81.HW), Pb(82.HW), Hg (50.15) Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), 00.MD Reading: Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), O0.MD Cr(24.HW) Recal Start:	seidi	s C with ice. / r						Field Test	Time	Analyst	Result	Г	1	Units	1
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Y N Fecal Start:						Units:	Ī					+	\dagger		
						Chlorinated?	z	ecal Start:			This	ocume	nt is P	age Lof	-



(501)221-1341AR 72211 13715 West Markham Corporate Office FaX Little Rock, (501)221-2565

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch AR 72762 1107 Century Avenue Springdale, Tel.

Composite Date:02/01/21 -02/02/21 Sample Time: 0920-0920/0920(02/02 Sample Type Sample From EFF Customer Name : NORTH LITTLE ROCK-MAUMELLE Customer/Permit No. : 3719 / AR0020303 Report Date : 03/08/21 Control Number: 2102010053

: MME-WTR-MCR-Q1-21 : COMP/GRAB WWATER

Purchase Order Work Order

Collected By: JASON BARRETT Delivery By : WGW

Ouality Assurance	Accuracy	% Recovery	112.3 *	106.7 *	93.0	108.0 *	91.0 *	111.2 *	102.0 *	N/A *	111.1 *	108.3 *	112.6 *	103.8 *	101.9 *	114.2 *	* 6.88	94.1 *	** 0.76	91.9 *	* 6.96	100.0 *
Quality	Precision	% RPD	2.29	2.99	1.48	1.70	10.53	1.55	1.93	7.07	0.95	0.97	9.49	3.60	10.37	0.63	6.45	0.08	0.14	1.07	0.01	8.16
		Method	EPA 200.8	SM 1999 4500-CN E	EPA 1631E	02/2014 HACH 10242	EPA 420.1	EPA 200.8	HACH 10209	SM1997 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	HACH 10206
		Quantity																				
		Notes													•							
Laboratory Analysis		Result	< 3.6960 ug/L	< 0.0100 mg/L	4.040 ng/L	26.2 mg/L	0.011 mg/L	< 5.97 ug/L	2.160 mg/L	82.4 mg/L	1/gn /5.3 >	I/gu 96.9 >		< 7.03 ug/L	14.93 ug/L	18.23 ug/L	6.2 ug/L	1312.9000 ug/L	9.65 ug/L		1043.7500 ug/L	1.84 mg/L
Li		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead	Nitrate + Nitrite
	Analysis	Date Time By	02/10 1324 KNM	02/10 0350 NTR	02/16 1244 AZ	03/02 1015 AKA	02/11 0330 NTR			02/05 1551 KNM	02/08 1143 KNM	1324	1324	1324	02/10 1324 KNM	1324	02/10 1324 KNM	1143	02/10 1324 KNM	1324	02/08 1143 KNM	02/09 0920 KNM

QA data shown is from a different sample or standard on the same date

used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10% equipment

Signature

Environmental Services



Corporate Office 13715 West Markham

Little Rock, Arkansas 72211

501-221-2565 (p) 501-221-1341 (f) Carlsbad, New Mexico

575-887-7-ESC (372)

Springdale, Arkansas

479-750-1170

www.esclabs.com

LABORATORY REPORT

Client:

North Little Rock WWU/Maumelle

2102010053/2102020153

Grab - W. Water

Sample Date: Receipt Date: 02/02/21

Sample Type: Sample Identification

Control Number:

MME-WTR-MCR-Q1-21

Report Date:

03/01/21

C-741 1/-101/C/C-Q 1-21

CHLORINATED PESTICIDES (µg/L or ppb)

Analyte

Result

Detection Limit

Chlorpyrifos

ND

0.04

QUALITY ASSURANCE DATA

Method:

EPA 8081A

System Monitoring Compounds 2,4,5,6-Tetrachloro-m-xylene

% Recovery

% Recovery Limits

65

65.8%

35-138

Analysis Date:

Analysis Time: Analyst: 2/17/2021

20:36 TWM

Laboratory control samples were monitored for all analytes of interest.

Digitally signed by Tyler Meek

DN: cn=Tyler Meek, o=Environmental Services Company, ou, email=tylerm@esclabs.com, c=US

Data Release authorized by:

Date: 2021.03.01 12:57:32 -06'00'

Tyler W. Meek - Lab Manager



Inc. Company, Environmental Services

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Tel. (501)221-2565 Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office

Springdale, AR 72762 1107 Century Avenue

> 02/02/21 . 0920 Type Time Sample Date Sample, Sample Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2102010054 Report Date : 02/24/21

Sample From : EQUIPMENT BLANK : GRAB WWATER

Purchase Order : Delivery By Work Order

7: JASON BARRETT: WGW

Collected By:

93.0

% Recovery Accuracy Quality Assurance Precision % RPD 1.48 Method EPA 1631E Quantity Notes Laboratory Analysis 2.250 ng/L Result Mercury, low level Parameter Date Time By 02/16 1249 AZ Analysis

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co.,

Revised 04-15-2019

En mental Services Company, Inc.

Corporate Office 13715 West Markham P.O. Box 55146 Little Rock, AR 72211 Little Rock, AR 722

Rock, AR 72211 Little Rock, AR 72215 website: www.esclabs.com

Website: www.esciaus.com Phone: 501-221-2565 Fax: 501-221-1341

72215 CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

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_				75	Crops	How we	7	Contail	Pres	N8OH+Asc Acid	€u804+H2SO4	HNO3	None	None	H2S04	HCI	HCI		1/2/2)	7	22.7	Time	Ц			
Project Information		29		n Barret	2, 450	, R	grange (Sample Containers	Volume	8 oz :/	1 Liter \	8 oz 🗸	1 Liter V	8 oz v	8 oz V	250 ml/	250 ml		la Willow		(a)	Field Test				Fecal Start
yect Int		210139		.Tason	(2)	7	1		Type	Plastic	Glass	Plastic	Amb GI	Plastic	Plastic	Amb Gi	Amb GI		(Manual)	Printed Name)	d Printed Nam	Data				z >
Pro	ect #:	order#:	#.	ame(s):		rre(s):			Matrix	Wwater	Wwater	Wwater	Wwater	Wwater ·	Wwater	Wwater	Wwater		Signalupe and Printe	Signature any Printe	(Sign ture and Printed Name)	₩O!	Analyst:	Boading.	Units:	Chlorinated?
	Permit/Project #:	Purchase Order #:	Work Order #	Sampler Name(s):		and Signature(s):		Collection	Type	Grab	Grab	Composite	Grab	Grab	Grab	Composite	Grab		Sectived By: (Sign	Received By: (Sign	Received for lab By					
	le e			0,				Sample C	Time	0916	0420	06200	0630	2,920	0420		292		Itme	Time	Time		PS), Cd(48.PS)	CM OO 129	יייייי ולט ויי	
-	NU/Maume		۲2117			ston	1st		Date	2/3/21	2/3/21	2/2/21	2/2/2/	1/3/2	213/21	2/3/21	2/2/21		2/3/2)	Date	H Date		3.PS), Ag(47.I	42 DS1 Sh/R-	15.1 07. 0010	
Client Information	North Little Rock WWU/Maumel	P.O. Box 17898	North Little Rock, AR	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	9 Effluent Quarterly-	ification	ESC Control #			-+2				1-2-1	2102010054				Willegh	1	Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.P	Crist PS), F0(82.F3),	יייי על ייבלים על ייייל	
Ĵ	Client:	Address:		Phone:	Fax:	Contact:	ESC Client Number: 3719 Effluent Quarterly-1st	Sample Identification	Identification	MME-WTR-MUR-02-21 2102010053	MME-WTR-MCR-01-21	MME WTR-MCK-021-21	MME WITH - MCR -63121	MME-VTR-MCR-G121	MME WTR-MCG-01-21	MME-WTR-MCR-012	Equipment Blank		Reinquished By. (Signature and Printed Name)	Relingationed By: (Signature and Printed Name)	Retinguished By. (Signature and Printed Name)	Cool all samples to/< 6 degree.	Comments: Be(4.PS), Ni(Cr(24 DS) 70	in the careline	



Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Tel: (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue

> Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2105010069 Report Date : 05/20/21

-05/05/21 Sample From : MMI-WTR-MCR-Q2-21 Sample Type : COMP/GRAB WWATER Sample Time : 0835-0835/0835 Composite Date: 05/04/21

JASON BARRETT Delivery By : JGK Purchase Order : Collected By: Work Order

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11.00	Dreciaion	# RPD	3.20	000	7 6	02.0	1.01	2 17		. כ	2.0	י ני		70.7	# C	4.4	1.73	2.04	2.90
		Method	EPA 200.8	SM 2011 4500-CN E		EPA 200.8			-								EPA 200.8	EPA 200.8	EPA 200.8
		Ouantity																	
		Notes																	
Laboratory Analysis		Result	< 0.0500 mg/L	< 0.0100 mg/L	0.12 mg/L	< 0.02000 mg/L	0.02360 mg/L	0.0236 mg/L	0.1982 mg/L	< 0.0100 mg/L	< 0.0150 mg/L			< 0.02000 mg/L					0.01280 mg/L
L		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	1 m m i + m M	ALC LINOLLY	mnillen.r	Lead
	Analysis	Date Time By	05/10 1924 KNM	05/13 0400 NTR								05/10 1924 KNM	05/10 1924 KNM	05/10 1924 KNM	05/20 1207 AA	1924	# * O	1924	05/10 1924 KNM

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. | Quality. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Corrected Copy

Environmental Services Co., Inc.

Signature

Env mental Services Company, Inc.
Corporate Office
3715 West Markham P.O. Box 55146
ittle Rock, AR 72211 Little Rock, AR 72215
website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

Fax: 501-221-1341

Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

	Client Information				ă	oject In	Project Information			L	Section	Store E	Reditested Daramaters	
Company Name:	North Little Rock WWU/Maumelle	WWU/Maur	melle	Permit/Project #:	1					1			ם מו	2
Address:	P.O. Box 17898			Purchase Order #:	Order#:	いいないに	Frinz			_	-			
	North Little Rock, AR	AR 72117		Work Order #	er#					_				
Telephone:	501-945-7186			Sampler Name(s):	Jame(s):	1.	Tacon R	14		_	(
FAX:	501-945-2367					Revon	200	7		_	sjuə			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s)	ture(s):	C		The state of		7	wwo	_		_
ESC Client Number: 3	3720 Influent Quarterly	erly)		1 a		1				_		
Sample Identification	ntification		Sample	Collection			Sample	Sample Containers	g	_	_			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	ative #	Cyan	nenc leleh			
MMI-WTR-MCR-01-21 21050 100009	Pajor 05012 1	5-5-21	0835	Grab	Wwater	Plastic	8 oz 🗸	NaOH+Asc Acid	t	+	+	t	+	I
MMI - WIR MCR-02-31 21050100/109	1 210501001g	5-5-2	0835	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×	t		T
MMI-WTR-MC8-02.21	1000010012 1	5 5 3	0835	Composite	Wwater	Plastic	8 02	HNO3	-	t	×		ļ	T
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Religiation (Signalure and Printed Name)	d Name)	Date	Time	Received By: (Sig	and Pri	Name)	P	Date	- I'me	umaround	2	\$	intact?	T
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CONTRACTOR OF THE PERSON WITH		2/2/2	11010	MARTI	200	HASHIN AL	tame) ALUTTAS	SISTA	Time G	Were sam	mples pro	Were samples properly preserved:	served:	
3	SO WILLING.				Flow Data		Field Test	Time	Analyst	Result	Resul	-	Units	I
TI(81.HW), P	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), TI(81.HW), Pb(82.HW), Hq (50.15)		Ag(47.HW), Cd(48.HW)		Analyst:							+		Τ
Cr(24.HW), Z	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW	Mo(42.HW), S), Sb(51.HW), 00.HG, 00.MD		Reading:	Ī						H		Π
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				Ì	Chlorinated?	Z >	Fecal Start:			This D	ocumer	This Document is Page / of	de / of /	Τ
													+++	1



(501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office Fax (501)221-2565Tel

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel

Delivery By : JGK Collected By: Work Order -05/05/21 : MME-WTR-MCR-Q2-21 : COMP/GRAB WWATER Sample Time : 0840-0840/0840 Composite Date:05/04/21 Sample Type Sample From 压压 Customer Name : NORTH LITTLE ROCK-MAUMELLE Customer/Permit No. : 3719 / AR0020303 Control Number: 2105010067 Report Date : 05/27/21

Purchase Order

JASON BARRETT

	Lal	Laboratory Analysis				44, [0:10	3
Analysis						Dreciaton	A Course ou
Date Time By	Parameter	Result N	Notes	Ouantity	Method		Accuracy Peromany
05/10 1919 KNM	Beryllium	< 50.00 ug/L			EPA 200.8	3.20	111 4 *
05/13 0400 NTR	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	0.29	*
05/25 1003 TA	Mercury, low level	2.940 ng/L				00.00	* 000
	Phenolics, Low Range	< 0.005 mg/L			EPA 420.1	00.00	100.0
1919	Chromium	< 20.00 ug/L			EPA 200.8	2.79	112.1
1919	Nickel	< 20.00 ug/L				1.01	* 4 0 1 1
1919	Copper	00			EPA 200.8	2.17	* 0 - 0 - 1
	Zinc	137.00 ug/L			EPA 200.8	6.57	* 40. 60.
1919	Arsenic	00			EPA 200.8	0.56	* 6.76
1919	Selenium	< 15.00 ug/L			EPA 200.8	0.73	* 00
1919	Molybdenum	00.0			EPA 200.8	3.05	*
	Silver				EPA 200.8	1.80	* 600
1919	Cadmium	00.0			EPA 200.8	0.84	107.3 *
1919	Antimony	< 10.00 ug/L				1.73	*
1919	Thallium	< 50.000 ug/L			EPA 200.8	2.04	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Lead	< 10.00 ug/L			EPA 200.8	2.90	* 0.00
05/18 1531 EJD	Nitrate + Nitrite	1.65 mg/L			HACH 10206	0.12	102.0 *

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co.,

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

: GRAB WWATER 05/04/21 0840 Time Date Sample I Sample Sample Customer Name : NORTH LITTLE ROCK-MAUMELLE BFF Customer/Permit No. : 3719 / AR0020303 Report Date : 05/27/21 Control Number: 2105010068

: EQUIPMENT BLANK Type From

Collected By: JASON BARRETT Delivery By : JGK Purchase Order: Work Order

% Recovery Accuracy

100.0

Quality Assurance Precision % RPD 0.00 Method EPA 1631E Quantity Notes Laboratory Analysis 0.820 ng/L Result Mercury, low level Parameter Date Time By 05/25 1007 TA Analysis

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136 Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Revised 04-15-2019

Env mental Services Company, Inc.

Corporate Office 13715 West Markham P.O. Box 55146

Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

ਹ	Client Information				-		index in soft					ŀ	-
Company Name:	North Little Rock WWU/Maumel	/WU/Maum	<u>e</u>	Permit/Project #:	ect #:							100	
	P.O. Box 17898			Purchase Order #:	rder #:	21080	10						
	North Little Rock, AR	IR 72117		Work Order #	#.						(·g	_	W
Telephone:	501-945-7186			Sampler Name(s):	me(s):	Jeser	Josen Burnett	e.H		_	z)d I	(sıu	KN
FAX:	501-945-2367					Brian	Confl	-		_	_	uwe	7
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	rre(s):	4	Jane	A		_	(-16	: Con	01
ESC Client Number: 37	3719 Effluent Quarterly	rly			1	Brown	200	A		_	s)eo		
Sample Identification	fication		Sample (Collection			Sample C	Sample Containers		ebine elone	N+Z	ials (۶ ())
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	tive #		ON		
Mark 12 100101010101010101010101010101010101	74050100107	5-5-21	0440	Grab	Wwater	Plastic	8 oz /	NaOH+Asc Acid	-	×			
[300 100 012]	Talos 100 102	5-5-21	0480	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×		
1000 00012 12105010001	1000 105012		04 40	Grab	Wwater	Plastic	8 02	H2SO4	-		×		X
MMC LOTO MO COL	ZIOSOLONINA		2846	Composite	Wwater	Plastic	8 02 1/	uffINO3 to pH	1 42			×	
MAS 1 TO MO CON	L0190108012	20	0480	Composite	Wwater	Glass	250 mlv	250 ml Cool ≤ 6° C	_			×	
Equipment Blank	Soldoro Sol 5	5-5-21	0840	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	7-			×	
Relinguashed By: (Signature and Printed Name)	(Name)	Date	em.	Received By: (Sig	(Signature and Printed Name)	d Name)	,)	Date STOTA	Time /	Used?	Seals.	드	Intact?
Reunstried By. (Signature and Printed Name)	Name)	Date	Time	Received By: (Signeture and Printed Name)	meture and Printe	d Name)		Date	Time	Tumaround		S	Special
Refinguished By: (Signature and Printed Name)	Name)	Date	Time	Received for Lab By:	By: (Signature an	(Signature and Printed Name)	1. (6	Date	Time	Were S	Were samples properly preserved	perly pre	served:
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			and the latest designation of the latest des		Flow D	Data	Field Test	Time	Analyst	Result	Result		Onits
Comments: Be(4.PS), Ni(Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.P	(33.PS), Ag(47	.PS), Cd(48.PS)	(Sc	Analyst:							+	
11(81 PS), Pt	(82.PS).	700 000	00 00 00	-	Donding.						-	l	
Cr(24.PS), 21	Cr(24.PS), Zn(30.PS), Se(34.PS), MO(42.PS), SD(31	10(42.12), 30(Units:						H	H	
							Food Chart			Thio	This Document is Dogs of	21.74	1 30

Corporate Office 13715 West Markham Little Rock, AR 72211 el. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2108010060

Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Sample Time : Customer/Permit No. : 3720 / AR00020303

Report Date : 08/19/21

Sample From :

Sample Time: 0840-0840/0840(8/10) Sample Type: COMP/GRAB WWATER Sample From: MMI-WIR-MJR-Q3-21

Work Order : Purchase Order : 211470

Collected By: JASON BARRETT/B Delivery By : DMP

	1	Laboratory Analysis				יין יין רמוני	000000000000000000000000000000000000000
Analysis						Dreciaion	Dogwan
Date Time By	Parameter	Result	Notes	Ouantity	Method	* DDD	ACCETACY POODS
08/18 0710 NTR	Beryllium	< 0.0500 mg/L			EPA 200.8	25.0	104 3 *
	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	3-67	* 0 0 0
0430	Phenolics	0.10 mg/L				o m	* C C C C C C C C C C C C C C C C C C C
0710	Chromium	< 0.0200 mg/L			EPA 200.8	0.84	*
0710	Nickel	< 0.0200 mg/L			EPA 200.8	1 24	* * 0
0710	Copper	0.0705 mg/L				4 1 L	* 4
0710	Zinc	0.2766 mg/L				7 4 5	* O
08/18 0710 NTR	Arsenic	< 0.0100 mg/L				1.07	. *
	Selenium	< 0.0150 mg/L				. c	* * * * * * * * * * * * * * * * * * *
08/18 0710 NTR	Molybdenum	< 0.0500 mg/L				2.57	: * > \alpha > \alpha
0710	Silver	< 0.1200 mg/L				1.30	* 0.001
0710	Cadmium	< 0.0200 mg/L				1,89	* 0.00
1030	Mercury	< 0.0050 mg/L			EPA 245.1	2.02	70.4
0710	Antimony	< 0.0100 mg/L			EPA 200.8	1.09	, 00 1 00 4
08/18 0710 NTR	Thallium	< 0.0500 mg/L			EPA 200.8	1.30	100.00
08/18 0710 NTR	Lead	0.0273 mg/L			EPA 200.8	1.21	117.4 *

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136 Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature

Environmental Services Co., Inc.

Envi. .mental Services Company, Inc. Corporate Office 15 West Markham P.O. Box 55146 ie Rock, AR 72211 Little Rock, AR 72215

13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Cli	Client Information				Pro	ject Info	Project Information			N. N.	ednest	Requested Parameters	neters
Company Name: N	North Little Rock WWU/Maume	WWU/Maum	elle	Permit/Project #:									
Address: P	P.O. Box 17898			Purchase Order #:	Order #:	311470	07						
Z	North Little Rock, AR 72117	AR 72117		Work Order #	#_								
Telephone: 5(501-945-7186			Sampler Name(s):	ame(s):	Joseph	Berrell	7		_	(5	-	
FAX: 50	501-945-2367					Srien	U				tnən		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	rre(s):	D		R			uwo		
ESC Client Number: 372	3720 Influent Quarterly	rly				1	3	7		-		_	
Sample Identification	ication		Sample	Sample Collection	0	0	Sample C	Sample Containers) əbir) alor	S) si		
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	tive #	_		_	
MMI WTR MCR-03-21 2	2108010060	17/01/8	0840	Grab	Wwater	Plastic	8 oz V	NBOH+Asc Acid	-	×			
MMI. WTR-MCR-03-21		8/10/2	0840	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×		
MMI-WTP-MCR-G3-1[12/10/8	0840	Composite	Wwater	Plastic	8 oz	HN03	-		×		
Polymer and Co. Consequence and Design	i en	o to C	F	100					_				
August 27. Historica and Transfer	(auto	8/10/21	1410	GOT Para De De De De De De De De De De De De De	A Salure and Finded	A CO	BEL	MATORICOSIMILI 1410	21°	Custody seals: Used?		Intact?	
Benduished By: (Signature and Printed Name)	ame)	Oate	Тіте	Received By: (Signature and Printed Name)	nature and Printed	(Name)		Date	Time	Turnaround Regular		Special	
Ralinguished Byy: (Signature and Printer Name)	WE BERK	10/01/80	Time (67.8)	Received for Lab By: (Signature and Prinled Name)	y: (Signature and	and Prinled Name)	{	Date Clobs.t	Time 143.0	Were sam	mples pro	Were samples properly preserved:	
Cool all samples to < 6 degrees C with ice.	C with ice.	100			How Da	Datte	Field/Test		Analyst	Result	Result	-	-
Comments: Be(4.HW), Ni(28	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) T(81.HW), Ph82.HW) Ho (50.15)	s(33.HW), Ag	(47.HW), Cd(48.HW)	Analyst:			T				H	
Cr(24.HW), Zn(.	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW), S	b(51.HW), 00.MD		Reading:						-	-	
					Units:						-	-	
					Chforinated?	Z	Fecal Start:			This D	ocnmen	This Document is Page	Jo.

Corporate Office 13715 West Markham Little Rock, AR 72211 (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

> Control Number: 2108010058 Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Report Date : 08/26/21

> Composite Date:08/09/21 -08/10/21 Sample Time: 0850-0850/0850(8/10) Sample Type: COMP/GRAB WWATER Sample From: MME-WTR-MLR-Q3-21

Work Order : Purchase Order : 211470

Collected By: JASON BARRETT/B Delivery By : DMP

イップハゲンナ

(· · · · · · · · · · · · · · · · · · ·	La	Laboratory Analysis				Quality Assurance	ssurance
						Precision	Accuracy
	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
NTR Ber	Beryllium	< 50.00 ug/L			EPA 200.8	0.65	104.1
NTR Cya	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	3.67	109.0
	Mercury, low level	5.420 ng/L			EPA 1631E	0.00	86.0 *
BXW Nit	Nitrate Nitrogen	0.0540 mg/L			HACH 10206	0.84	101.0
BXW Nit	Nitrite Nitrogen	< 2.0000 mg/L			EPA 354.1	00.0	99.6
NTR Phe	Phenolics, Low Range	< 0.005 mg/L			EPA 420.1	11.11	91.5
	Chromium				EPA 200.8	0.84	116.3
NTR Pho	Phosphorus, Total (as P)	2.820 mg/L			EPA 365.1	0.65	4.76
	Nickel	< 20.00 ug/L			EPA 200.8	1.24	110.3
NTR COP	Copper				EPA 200.8	4.55	111.4
NTR Zinc	10	123.34 ug/L			EPA 200.8	3.45	105.9
	Arsenic	< 10.00 ug/L			EPA 200.8	1.07	104.9
NTR Sel	Selenium	< 15.00 ug/L			EPA 200.8	0.04	88.0
	Molybdenum	< 50.00 ug/L			EPA 200.8	2.57	88.8
NTR Sil	Silver	< 120.0 ug/L			EPA 200.8	0.64	109.6
NTR Cad	Cadmium	< 20.00 ug/L			EPA 200.8	7.89	92.3
NTR Ant	Antimony	10.62 ug/L			EPA 200.8	1.09	84.8
	Thallium Thallium	< 50.000 ug/L			EPA 200.8	1.30	120.0
NTR Lead	ಸಿದೆ	21.62 ug/L			EPA 200.8	1.21	117.4
					•		

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479) 750-1170 Tel Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

collected By: JASON BARRETT/B Delivery By : DMP Work Order : EQUIPMENT BLANK GRAB WWATER 08/10/21 0880 Sample Type Sample From Time Date Sample I Sample 7 Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2108010059 Report Date : 08/26/21

Purchase Order : 211470

% Recovery * 0'98 Accuracy Quality Assurance Precision 0.00 % RPD Method EPA 1631E Quantity Notes Laboratory Analysis 1.270 ng/L Result Mercury, low level Parameter Date Time By 08/25 1247 ACZ Analysis

* QA data shown is from a different sample or standard on the same date

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes, Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136

Signature

Co., Inc. Environmental

Revised 04-15-2019

En\,. ..mental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham

website: www.esclabs.com Little Rock, AR 72211

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CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

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Requested Parameters						(1	£.81	(18.),	-				×		×	×			iniaci ?	Special	Were samples properly preserved:	Units				
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				#		4	7	ontainer	Preservative	NaOH	6us04+H2SO4	H2SO4	Cool ≤ 6° C	HNO3 to pH <2	250 ml Cool ≤ 6° C	Cool ≤ 6° C		Jalo Ibi	Date		Scole 2	Time				
rmation		0		Burrett	to-5	0	2	Sample Containers	Volume	8 oz V	1 Liter U	8 oz 1/H2SO4	8 oz V	8 02 7	250 ml	250 ml		PROCE			3	Field Test				
Project Information		211470		Jason	Brian		V		Type	Plastic	Glass	Plastic	Plastic	Plastic	Glass	Glass		6	1		and Printed Name)	An an				
Pro	ct #:	rder #:	#	me(s):		re(s):	/		Matrix	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater		Signature and Printed Name)	ature and Printed		: (Signature and	(blow Date)	Analyst:	Ime:	Reading:	
	Permit/Project #:	Purchase Order #:	Work Order #	Sampler Name(s):		and Signature(s);		Collection	Туре	Grab	Grab	Grab	Grab	Composite	Composite	Grab		Received By: (Sign	Received By: (Signature and Printed Name)		Received for Lab By: (Signature and Printed Name)				<u>u </u>	
	elle							Sample (Time	0880	office	0880	0880	0820	0 350	0820		10 me	T		Time 7.7 89		PS), Cd(48.P:		1.PS), 00.MD	
	WU/Maume		R 72117			ston	λ		Date	8/10/1	17/01/8	17/01/8	8/10/21	8/10/2]	8/10/2[8/ Ha/2!		Oate (1)	ate		08/10/21		3.PS), Ag(47.I		(42.PS), Sb(5	
Client Information	North Little Rock WWU/Maumelle	P.O. Box 17898	North Little Rock, AR 72117	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	3719 Effluent Quarterly	fication	ESC Control #	2108010mg						210801059		(ame)	vame)				Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)	82.PS),	Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(5	
Ö	Company Name:	Address:		Telephone:	FAX:	Contact:	ESC Client Number: 37	Sample Identification	Identification	MME-WTR-MCR-03-1		MME-WITH-MCR-G3-A1	MME-WTR-MCR-0331	MME-VTR-MUK-03-21	MME WIR MCROSA	_		Reinquerre By: (Signature and Printed Mame)	Rejactivehed By: (Signature and Printed Name)		Reinfruished By: (Signature and Printed Name) FTBCE		Comments: Be(4.PS), Ni(2	1(81.PS), PD(82.PS	Cr(24.PS), Zn	



Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

> Composite Date: 10/26/21 Type Sample Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2110010061 Report Date : 11/19/21

-10/27/21 Sample From : MMI-WTR-MCR-Q4-21 : COMP/GRAB WATER Sample Time : 0845-0845 0845

Purchase Order Work Order

Collected By: JASON BARRETT

Delivery By : HMK

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where apportablity Assurance Plan on file with Arkansas Department of Environmental Quality. The start of the analytical batch in which the specific sample was included.

Environmental Service Signature



Environmental Services Company, Inc.

Corporate Office
West Markham P.O. Box 55146
tock, AR 72211 Little Rock, AR 72215
website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Phone: 501-221-2565	Fax: 501-221-1341		곬 당	IAIN O	CHAIN OF CUSTODY	TOD	<u>></u>						
)	Client Information				Pro	Project Information	rmation			R.	edneste	Requested Parameters	စ်
Company Name:	North Little Rock WWU/Maumelle	VWU/Maun	elle	Permit/Project #	ect #:								
Address:	P.O. Box 17898			Purchase Order #:	Order #:	RIZORE	No.						
	North Little Rock, AR 72117	4R 72117		Work Order #	*:								
Telephone:	501-945-7186			Sampler Name(s):		Joseph	Joseph Barret	Ŧ			(\$		
FAX:	501-945-2367					Bayern	Croft				nent		
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):	O	2002	力		_	ımoʻ		
ESC Client Number: 3	3720 Influent Quarterly	ırly				1 Brown	me C	70		_			_
Sample Identification	ıtification		Sample	Sample Collection	2	,03	Sample C	Sample Containers		əbin	S) sle		
dentification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	ive #				
MMI WIR MCR-ON!	1 211001086 1	16-27-21	e345	Grab	Wwater	Plastic	8 02	NaOH+Asc Acid	-	×			
MMI-WAR-MCR-64-21	_	(b-27-2)	0845	Grab	Wwater	Glass	1 Liter	CuSO4+H26O4	-		×		
MMI -WTR-MCR-64-21		10-17-21	0845	Composite	Wwater	Plastic	8 02	HN03	-		×		
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Relingurated By: (Signature and Printed Same)	(ewse)	10~17-21	1442	Received By: (Sig	Received By: (Signature and Printed Name)	(eure)		Date 10/27/01	Time 1 4/1/2	Custody Seals:	Seals:	Infact?	_
Retinoushed By: (Signature and Printed Name)	d Name)	Date	Time	Receiv d By: (Sig	Received By: (Signature and Printed Name)	Name)		Date	Time But	Turnaround	ė] L	
7											2	Special	
Relipquished By (Signature and Printed Name	C Variable)	Date 0/3-7/3	7 Do	Received for Lab E	Received for Lab By: (Signature and Printed Name)	James A Printed Name)	S.	Date Date	639	CONTRACTOR AND ADDRESS OF	mples prope	Were samples properly preserved:	
Cool all samples to ≤ 6 degrees C with ice	es C with ice.	,		.//	Flow Data	a	Field Test	Time	Analyst	Resuft	Result	Units	Γ
Comments: Be(4.HW), N	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4	4s(33.HW), Ag	(47.HW), Cd(48.HW)		Analyst:								
TI(81.HW), F	Pb(82.HW), Hg (50.15)			П	Time:								
Cr(24.HW),	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW),	Sb(51.HW), 00	(51.HW), 00.HG, 00.MD	Reading:								
					Chlorinated?	z >	Fecal Start:			This D	ocument	This Document is Page of	

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Northwest Arkansas Branch 1107 Century Avenue (479)750-1170Tel.

Composite Date:10/26/21 -10/27/21 Sample Time: 0855-0855/0855(10/27 Sample Type Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Coutrol Number: 2110010059 Report Date : 11/26/21

Sample From : MME-WTR-MCR-Q4-21 : COMP/ GRAB WATER

Delivery By : JASON BARRETT BARRETT JASON Purchase Order Collected By: Work Order

Sall Farice	Accuracy	% Recovery	107.7 *	112.5 *	84.0 *	103.8 *	98.2 *	101.2 *	109.2 *	* 8.66	* 98	104.3 *	* 6.62	* 2.86	* 1.96	81.4 *	80.3 *	111.9 *	74.7 *	112.6 *	89.3 *
Ouality Assurance	Precision	% RPD	4.44	4.44	00.00	0.51	1.21	2.41	2.53	0.89	1.18	9.46	10.89	3.76	2.85	9.28	0.77	2.20	4.24	7.86	0.73
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																			
		Notes																			
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	1.380 ng/L	0.9220 mg/L	0.8080 mg/L	0.007 mg/L	< 20.00 ug/L	1.300 mg/L	< 20.00 ug/L	< 20.00 ug/L	96.07 ug/L	< 10.00 ug/L	< 15.00 ug/L	< 50.00 ug/L		< 20.00 ug/L		< 50.000 ug/L	< 10.00 ug/L
ı	L	Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
	Analysis	Date Time By	1320	10/29 0400 NTR			0515	0515	1320	1040	1320	1320	1320	1320	1320	1320	1320	1320	1320	10/28 1320 NTR	10/28 1320 NTR

QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services



Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Northwest Arkansas Branch 1107 Century Avenue (479) 750-1170

: EQUIPMENT BLANK : GRAB WWATER 10/28/21 0855 Sample Date : Sample Time : Sample Type : Sample From Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Comtrol Number: 2110010060 Report Date : 11/26/21

Purchase Order : Work Order

Collected By: JASON BARRETT Delivery By : JASON BARRETT

Collected By:

Quality Assurance Precision 0.00 % RPD Method Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 11/12 1208 ACZ Analysis

EPA 1631E

% Recovery 84.0 *

Accuracy

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applonality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Serva



Revised 04-15-2019

Environmental Services Company, Inc.

Corporate Office

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Phone: 501-221-2565 Fax: 501-221-1341



Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

O	Client Information				Pro	Project Information	rmation			N.	sdnest	ed P	Requested Parameters	SIS
Company Name:	North Little Rock WWU/Maumelle	VWU/Maum	elle	Permit/Project #:	ect #:									
Address:	P.O. Box 17898			Purchase Order #:	rder #:	212028	38							
	North Little Rock, AR	4R 72117		Work Order #	#					_				
Telephone:	501-945-7186			Sampler Name(s):	ıme(s):	Josen	Rometh	+				(\$		
FAX:	501-945-2367				,	Brown	Thurs.			_	('g	luəm		
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ıre(s):	2	Borr	A A		(6		moc	(11	
ESC Client Number: 37	3719 Effluent Quarterly	erly			1	Bury	magn. For	Jan					_	
Sample Identification	tification		Sample	Collection	•		Sample C	Sample Containers		ebin slon	(18.1)		.cnu.	
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	ive #	_	_	_	-	
MME WTR-MCR-64-21	8/100/005 9	10-27-2	2880	Grab	Wwater	Plastic	8 oz V	NaOH	1	×				
MAE WIR - MCR-84-21		10-20-21	OSSS	Grab	Wwater	Glass	1 Liter v	Cus04+H2604	1	Î	×			
MME-WITH-MCR-BYZ		10-27-21	diss	Grab	Wwater	Plastic	8 oz V	8 oz /H2SO4	+		×			
MME-WTR-MCR-ONY!		10-27-21	OSS	Grab	Wwater	Plastic	8 oz V	V Cool ≤ 6° C	-				×	
MME-WIR-MCR-817		10-27-21	2880	Composite	Wwater	Plastic	8 oz 7	8 oz VHNO3 to pH <2	5			×		
MAE WIR-MURGINA	-	10-27-21	0855	Composite	Wwater	Glass	250 ml V	250 ml √ Cool ≤ 6° C	-				×	
Equipment Blank	2110010060	10-27-21	OBS	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-				×	
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									-			1		
Refinduished By: (Signature and Printed Name)	A Section of the sect	10-K7-21	id &	Hacelived By: Sign	Tayoung Info	(eme)		190761	ld48	Custody seals: Used?	Seas	_	Intact?	_
Relind, med By: (Signature and Printed Name)	Name)	Date	Tme	Recaived By: (Sign	Received By: (Signature and Printed Name)	Name)		Date	Time	Tumaround Requiar	2	(Special	_
Relinquished By (Signature and Printed Name)	(Marke)	iousts)	Time	Received for Leb By:	y: (Signature and Printed Name)	Printed Name)	ne)	Dete 0 5/8)	15 N	Were sam	Were samples properly preserved	perlypr	eserved:	_
78					Flow Data		Field Test	Time /	Analyst	Result	Result	-	Units	
Comments: Be(4.PS), Ni(Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.	(33.PS), Ag(47	.PS), Cd(48.PS)	S)	Analyst:							H		
TI(81.PS), Pb	Pb(82.PS),				Time:									
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Corporate Office 13715 West Markham Little Rock, AR 72211 sl. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2102010058

Customer Name : NORTH LITTLE ROCK-WHITE OAK INF Sample
Customer/Permit No. : 2452 / AR00038288

Sample Report Date : 03/08/21

Composite Date:02/01/21 -02/02/21 Sample Time: 1030-1030/1030(02/02 Sample Type: COMP/GRAB WWATER Sample From: WOI-WTR-MCR-Q1-21

Work Order : Purchase Order :

Collected By: JASON BARRETT

Delivery By : WGW

K

Quality Assurance	Accuracy	% Recover	112.3	106.7	94.8	111.2	111.1	108.3	112.6	103.8	101.9	114.2	83.9	109.1	86.4	97.0	91.9	96.9
Quality	Precision	% RPD	2.29	2.99	3.39	1.55	0.95	0.97	9.49	3.60	10.37	0.63	6.51	4.00	5.69	0.14	1.35	0.01
- Levens	- Villentur	Method	EPA 200.8	SM 1999 4500-CN E	EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8		EPA 200.8	EPA 200.8	EPA 200.8		EPA 200.8	EPA 245.1	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
		Notes																
Laboratory Analysis		Result	< 0.0040 mg/L	< 0.0100 mg/L		< 0.0060 mg/L	< 0.0064 mg/L	0.0082 mg/L	0.0551 mg/L	< 0.0070 mg/L	0.0167 mg/L	0.0184 mg/L	0.0066 mg/L	< 0.0064 mg/L	< 0.0010 mg/L	0.0097 mg/L	< 0.0040 mg/L	1.0437 mg/L
니		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	Date Time By		02/10 0350 NTR	02/11 0330 NTR	02/10 1346 KNM	02/08 1205 KNM	1346	1346	1346	02/10 1346 KNM	1346	1346	02/10 1346 KNM	02/13 1206 KNM	02/10 1346 KNM	02/10 1346 KNM	02/08 1205 KNM

* OA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. 1 Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature /

Environmental Services Co., Inc.



Environmental Services Company, Inc.
Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

. Phone: 501-221-2565

Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Ö	Client Information				Pro	ject Info	Project Information			2	ednest	ted Pa	Requested Parameters	[_w
Client:	North Little Rock WWU/White	VWU/White	Oak	Permit/Project #:	ject #;									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	216229	0			_				
	North Little Rock, AR	AR 72117		Work Order #	# 16									
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Joseph	Romet	Ŧ			(s			
Гах:	501-945-2367					Divign		£.			inem			
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	2	Bund	4			ımoC			
ESC Client Number: 24	2452 Influent Quarterly	rly			1	Smy	3	五						
Sample Identification	ification		Sample	Collection		0	Sample C	Sample Containers		ebir slor	3) slr			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	# e w		_			
WOIL-WIR-MCK-91-31 2102010058	2102010058	2/2/21	1630	Grab	Wwater	Plastic	8 oz /	NaOH+Asc Acid	-	×				
WOL-WIR-MCR-01-1	_	2/2/2/	1030	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			
WOI- WTR-MCR-G1-2	1 2-1-	2/2/2	1030-10	1030 - 100 Composite	Wwater	Plastic		HNO3	-		×			
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Sampled By:	Name)	2/2/2	ЭШ	Received By (Si	Received by: (Signature additioned Name)		Lileally	Date 2/2 /21	1400	Custody Seals Used?	Seals:	int.	Intact?	Γ
9	Name)	Date	Time	Received By: (Sig	inatule and Printed	Name)	- (Date	Time	Turnaround Regular	Ę	Sp	Special	Γ
Relinquished By: (Signature and Printed Name)	William Willowby	1/2/21	(CD)	Received follab		Printed Name	_	1.2.20	Time	Were samp Yes	mples pro	Were samples properly preserved:	erved: No	
upies	C with ice.				Flow Data		Field Test	Time	Analyst	Result	Result	L	Units	Γ
Comments: Be(4.HW), Ni(Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(Ti(81.HW), Pb(82.HW), Hg (50.15)	s(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:	T					Ц			П
Cr(24.HW), Zi	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), SI	Mo(42.HW), S	3b(51.HW),00.HG, 00.MD	$\overline{}$	Reading:						1	+		
					Units:							+		Τ
					Chlorinated?	<u>ת</u> ∠	Fecal Start:			This D	ocumen	This Document is Page_	le of l	



Corporate Office 13715 West Markham Little Rock, AR 72211 :el. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Sample Time : 1035-1035/1035(02/02 -02/02/21 : WOE-WTR-MCR-Q1-21 : COMP/GRAB WWATER Composite Date:02/01/21 Sample Type Sample From EFF Customer Name : NORTH LITTLE ROCK-WHITE OAK Customer/Permit No. : 2451 / AR00038288 Control Number: 2102010118 Report Date : 03/02/21

Work Order : Purchase Order :

Collected By: JASON BARRETT

Delivery By : WGW

% Recovery Accuracy 102.0 112.6 93.0 91.0 N/A83.9 97.0 91.9 96.9 97.1 108.3 106.7 103.8 112.3 111.2 111.1 101.9 114.2 109.1 Ouality Assurance Precision 2.29 0.95 9.49 2.99 1.48 13.33 10.53 1.55 7.07 0.97 3.60 10.37 0.63 6.45 4.00 0.14 1.07 % RPD 0.01 02/2014 HACH 10242 团 SM 1999 4500-CN C SM1997 2540 Method HACH 10209 **JACH 10206** 200.8 200.8 200.8 200.8 200.8 200.8 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 420.1 EPA 200.8 EPA 200.8 EPA 200.8 EPA 1631E EPA EPA EPA EPA EPA EPA EPA Quantity Notes Laboratory Analysis mg/L mg/Γ ⊓/gn ng/I ng/Ir mg/L ng/L mg/L mg/F ng/I ng/L ng/Ir ng/I ng/Γ ng/I ng/Ir ng/I ug/L 9 5 18.90 3.6960 0010.0 3.860 6.3 < 4.000 < 5.97 > 6.96 < 7.03 18.28 6.4350 69.6 1043.7300 < 0.005 1,620 < 10.0 < 35.15 < 6.37 0.68 Result Cyanide Total (HACH 10265 Phosphorus, Total (as P) Total Kjeldahl Nitrogen Solids, Total Dissolved Phenolics, Low Range Mercury, low level Nitrate + Nitrite Parameter Molybdenum Chromium Selenium Thallium Antimonv Cadmium Arsenic Copper Silver Nickel Zinc Lead KNIM KNM KINIM KNA KNM KNM KNIM KON KNM KNIM KNIM NTR BXW NTR KNIM KANA KNM KNM AZ Analysis Time 1351 0350 0920 1351 1210 0330 1351 1030 1551 1351 1351 1351 1351 1351 1322 0815 1210 1351 1351 1351 Date 02/10 02/05 02/10 02/10 02/10 02/10 02/10 02/10 02/10 02/10 02/20 02/08 02/10 02/16 02/09 02/10 02/08 02/11

OA data shown is from a different sample or standard on the same date

equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136, where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included

Signature

Environmental Services Co., Inc

(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Collected By: JASON BARRETT Delivery By : WGW Purchase Order : Work Order Sample From : WOE-WTR-MCR-Q1-21 GRAB WWATER 02/02/21 1035 Sample Time Sample Type Sample Date EFF Customer Name : NORTH LITTLE ROCK-WHITE OAK Customer/Permit No. : 2451 / AR00038288 Control Number: 2102010057 Report Date : 02/19/21

Ouality Assurance
Precision Accuracy
RRPD & Recovery

Method EPA 1631E Quantity Notes Laboratory Analysis 0.850 ng/L Result Mercury, low level Parameter Date Time By 02/16 1327 AZ Analysis

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature MA

Environmental Services Co., Inc.





Corporate Office

13715 West Markham

Little Rock, Arkansas 72211

501-221-2565 (p)

501-221-1341 (f)

Carlsbad, New Mexico

575-887-7-ESC (372)

Springdale, Arkansas

479-750-1170

www.esclabs.com

LABORATORY REPORT

Client:

North Little Rock WWU/White Oak

Sample Date:

02/02/21

Control Number: Sample Type: 2102010118/2102020155 Grab - W. Water Receipt Date: Report Date: 02/02/21 03/01/21

Sample Identification

WOE-WTR-MCR-Q1-21

CHLORINATED PESTICIDES (µg/L or ppb)

Analyte

Result

Detection Limit

Chlorpyrifos

ND

0.04

QUALITY ASSURANCE DATA

Method:

EPA 8081A

System Monitoring Compounds

2,4,5,6-Tetrachloro-m-xylene

Data Release authorized by:

73.4%

% Recovery Limits

35-138

Decachlorobiphenyl

61.2%

% Recovery

43-128

Analysis Date:

Analysis Time:

Analyst:

2/17/2021

21:21

TWM

Laboratory control samples were monitored for all analytes of interest.

Digitally signed by Tyler Meek

DN: cn=Tyler Meek, o=Environmental Services

Company, ou, email=tylerm@esclabs.com, c=US

Date: 2021.03.01 12:59:26 -06'00'

Tyler W. Meek - Lab Manager

Revised 04-16-2019

Env(mental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221

Fax: 501-221-1341 CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

2	Client Information				Pro	Project Information	ormation			2	Requested	sted		Parameters	2
Olient:	North Little Rock WWU/White	WWU/White	Oak	Permit/Project #:	ı						_	Ľ		-	L
Address:	P.O. Box 17898			Purchase Order #:	D)	216229	6				_	luo .		(.25.)	
	North Little Rock, AR	4R 72117		Work Order #								arte		lejo	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jason	Barret	4		_	(s	nb js		T ,(.!	
Fax:	501-945-2367					Bry	ryan C	Star B		_	neu	1 (0		6)ZO	
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	.nre(s):	S	2	The second			_	ਰ'66			
ESC Client Number: 2451 Effluent Quarterly-1st	51 Effluent Quarterly	/-1st			.)	100) which	Bala		7	-) soj			
Sample Identification	tification		Sample	Collection			Sample C	Sample Containers		əbir	slon S) sla	rpyri	(TS)	(16.C)Ynuo	
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	tive #	_	_	СЫО	SQT		
WOS -WTR -MCG-CON 21 STORES OFTEN	AIGG ON	2/2/21	1035	Grab	Wwater	Plastic	8 oz V	NaOH+Asc Acid	-	×	H	L		H	
NOG-WIR-MER - ON 21 2102010057 212	2102010057	212 Al	1035	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			_	
WOE-WIR-MCR-OILY	8110	272 12	1035-10	1035 10 Composite	Wwater	Plastic	8 oz V	HNO3	-		×			-	
WOE-WTR-MCR-COLL		2/2/21	1035	Grab	Wwater	Amb GI	1 Liter	None	-			×			
WOE-WTR-MCR-ON-21		2/2/4	1035	Grab	Wwater	Plastic	8 oz V	None	-				×		
WIDE-WTR-MCA-BINA		12/2/2	1035	Grab	Wwater	Plastic	8 oz V	H2SO4	-					×	
WOE- LITE-MCR-GIZ	4	1/5/红	1035	Composite	Wwater	Glass	250 ml	HCI	-		-			×	
Equipment Blank	2102010058	2/2/41	16.35	Grab	Wwater	Glass	250 ml HCI	HCI	-			L		×	
	7										-	L		\vdash	
Relinquisher By. (Signature and Printed Name)	Name)	2/2/2[Time	Received By (Signal	mature and Printed	Name)	40	Date 2/12/1	14 Co.	Custody Seals Used?	Seals:	۱,	Intact7	L	T
Reimgeshed By. (Signature and Printed	Name)	Date	Time	Received BY: (Sig	harpile and Prin	ed Name)		Date	Time	Turnaround	į t	١,			Ţ,
Relinquished By. (Signalure and Printed Name	Name 1. 1.1	app of b	J. J.	Received for Lab By	3y. Signifure and Printed Name)	Printed Name		Date	Time	Were samples properly preserved	mples (roperty	preserve	ed:	1
evol all samples to 30 degrees	\$	1414	000	[/WW/]	Flow Data	ita	Field Test	マ・マ・マ Time	Analyst	Yes	55 20 20 20 20 20 20 20 20 20 20 20 20 20			No	J
Comments:			آ	10 A 10	Analyst:	Ī		Т			+	l			T
					Time:						H				Γ
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS), Cd(48.PS) Ti(81.PS), Pb(82.PS).	s, As(33.PS), Ag(47.PS)	, Cd(48.PS)			Reading:						Н				
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	S), 00.MD			Chlorinated?	z	Fecal Start:			This Document is Page		in the	Page	550	T
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Fax (501)221-1341 AR 72211 13715 West Markham Corporate Office Little Rock, (501)221-2565

Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch AR 72762 1107 Century Avenue Springdale,

-05/05/21 Sample From : WOI-WTR-MCR-Q2-21 : COMP/GRAB WWATER Sample Time : 0920-0920/0920 Composite Date:05/04/21 Sample Type Customer Name : NORTH LITTLE ROCK-WHITE OAK INF Customer/Permit No. : 2452 / AR00038288 Control Number: 2105010073 Report Date : 05/20/21

Collected By: JASON BARRETT Delivery By : JGK •• Purchase Order Work Order

Duality Assurance	Accuracy	% Recovery	111.4 *	1001	1000	D 10 10 10 10 10 10 10 10 10 10 10 10 10	112.1 *	110.4 *	* 0 0 1	· ·	* 9.501	* 6.76	* 0 86	0 10	* 8./11	* 5.66	107 2 *		* 0.00	* 1.96	4 Y Y O	100 100 100 100 100
Quality	Precision	% RPD	3.20	0.29	. מ) (6/.7	10.1	2.17	ייי	70.0	0.56	0.73) t	3.05	1.82	0.84		7.47	1.73	2.04	2,90
	14 - M	Mernod	EPA 200.8	SM 2011 4500-CN E	EPA 420.1	ED 200 8		EFA 200.8	EPA 200.8	EDA 200 8			EPA 200.8	RD2 200 8			EPA 200.8	F 245 1		EPA 200.8	EPA 200.8	EPA 200.8
	Oushtit	Mancack																				
	MOTOM	20000																				
Laboratory Analysis	Resmit	0 0 0	다/Sim 00c0.0 /	< 0.0100 mg/L	0.11 mg/L	< 0.0200 mg/L				< 0.0500 mg/L	< 0.0100 mg/T.			< 0.0500 mg/L	< 0 1200 mg/t.	1 /Sim 00111 0	T/6111 0070.0 >	< 0.0002 mg/L				< 0.0100 mg/L
Ī	Parameter	Beryllium	(1117 111 111 11 11 11 11 11 11 11 11 11	Cyallue IOCAL (HACH IUZ65	Fuenolics	Chromium	Nickel		Taddo.	Zinc	Arsenic	Selentium	ייי בייי בייי	Molybdenum	Silver	ລະດີໝຳການ		Mercury	Antimony		ייייייייייייייייייייייייייייייייייייייי	Lead
s is not and	Date Time By	05/10 1948 KNIM	0000 61/	מואן סטונס הר/ טס	0000	05/10 1948 KNM	05/10 1948 KNM	0.70	WINT DECT OF/CO	LY48 KINM		KNIM		174 X	05/10 1948 KNM		1 (05/10 1948 KNM	1040	0 0	OS/IO IS48 KINIM

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Bnvironmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter All equipment used is checked and/or A minimum of 10%

Signature

Environmental Services Co., Inc.

Revised 4-14-99

mental Services Company, Inc.

En

13715 West Markham

Corporate Office urkham P.O. Box 55146 72211 Little Rock, AR 72215 Little Rock, AR 72211

website: www.esclabs.com Phone: 501-221-2565

Fax: 501-221-1341



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

)								
Client	Client Information				Pr	oject Inf	Project Information			a a	1201100	ted Da	Red lested Daramatara
Client: North	North Little Rock WWU/White	WWU/Whit	e Oak	Permit/Project #:	1					-	100000		ומוובופוא
Address: P.O.	P.O. Box 17898			Purchase Order #:	Order#:	C-0801	EUX			_			
Nort	North Little Rock, AR 72117	AR 72117		Work Order #	# 16		23						
Phone: 501-9	501-945-7186			Sampler Name(s):	ame(s):	J. S. S. S. S. S. S. S. S. S. S. S. S. S.	Picas R. C.	1			(
Fax: 501-6	501-945-2367					Now.	A LA	R		_	ents)		
Contact: Ms. N	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	C	1	#		_	ww		
ESC Client Number; 2452 In	2452 Influent Quarterly	<u>4</u>				100	Tana.						
Sample Identification	tion		Sample	Sample Collection			Sample C	Sample Containers		g) əbi S) əlo	9S) s		
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	tive #		_		
MOI WIR MCR-OWAI 210	110901013	5-5-3	0450	Grab	Wwater	Plastic	8 oz	Ż	╀	+	+	+	
WHIE - W/TR - MCR -527-21	+	5-5-2	8920	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-	×		+	
MOT-WTR-MCR-02-2	-	5 5 3	0920	Composite	Wwafer	Plastic	8 oz	HNO3	-		×	-	
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Reinardished By TStorburg and Protections				9						\perp	-	1	
them & moth		S- 1-2	e E	Received By: (Signalure and Printed Name)	nature and Printer	1 Name)		Date	7	Custody Seals	seals:	-	
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Cool all samples to < b degrees L with re-	79	515/21	9191	Hecelved for Lab By	- 1	inted Nan	S (m)	5/S/2	Time Post G	Were sam Yes	Were samples properly preserved:	erly prese	ived:
Commonte: Doda taka karao ana	4 000 000				Flow Data		Field Test	Time	Analyst	Result	Result	L	Units
T(81.HW), Pb(82.HW), U(25.HW), As(33.HW), Ag(4.HW), Ag(4.HW), Ag(4.HW), Bb(82.HW), Hg (50.15)	v), Cu(29.HW), As W), Hg (50.15)	(33.HW), Ag	(47.HW), Cd(48.HW)	1	Analyst:				П			\vdash	
Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	W), Se(34.HW), N	10(42.HW), S	ib(51.HW),00.HG, 00.MD		Reading:	T							
					Units:							-	
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Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

Collected By: Delivery By -05/05/21 Sample Time : 0930-0930/0930 Composite Date:05/04/21 EFF OAK Customer Name : NORTH LITTLE ROCK-WHITE Customer/Permit No. : 2451 / AR00038288 2105010071 Control Number: Customer Name :

: JGK

BARRETT

Work Order :	Purchase Order .	
Campie 17pe : COMP/ GRAB WWAIER WORK Order :	Sample From : WOE-WTR-MCR-Q2-21	
Renort Date . OR/01/01	**************************************	

Ouality Assurance	Precision Accuracy	% RPD % Recordery	1	, 4.111	0.29 100.1 *	0.00 100.0	* 0 001	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	× 1.211 ×	1.01	* 0 055		6.57 103.6 *	0.56			3.05 91.1 *	1.80		0.84 ±07.3 *	1.73 96.1 *	2.04		2.30 95.2 *	0.12
		Method	EPA 200.8	750	SM ZOIL 4500-CN E	EPA 1631E	EPA 420.1	EPA 200.8			EPA 200.8			EPA 200.8	EPA 200.8	0 000 400	BEA 200.0	EPA 200.8	म ००० व्यवस		EPA 200.8	EPA 200.8	מ ממני אנוקו	0.000	HACH 10206
		Notes Quantity																							
Laboratory Analysis	1		< 50.00 ug/L	< 0.0100 mg/L		1, 21. UB/. 5		< 20.00 ug/L	× 20 00 mg/T.		< 20.00 ug/L	< 50.00 ng/T		0 . 0	< 15.00 ug/L	< 50.00 ug/L		20.0	< 20.00 ug/L	1/4% 00 01 /	0 0	7/5n 000.0s >	< 10.00 ug/L	· U	7/6m oc.0
ij	100 % of 100	Taramecer.	mn r r v rae	Cyanide Total (HACH 10265	Mercury, low level	Db 000 1 00 1 00 1 10 1	Charles, Low Railge	Curomium	Nickel	Conner	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Zinc	ひになられて		מפדפוודמווו	Molybdenum	Si 1 Wer)	Cadinium	Antimony	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ייים ייים ייים ייים ייים ייים ייים ייי	Lead	Nitrate + Nitrite	
Analvaia	Date Time By	ı	1000	05/13 0400 NTR	05/25 1012 TA	ם היו		7 7 7 7	05/10 1930 KNM	MINTA OFFI OL/SO	0 0	1830	MNN 05/10 1930 KNM		100	05/10 1930 KNM	05/10 1930 KNM	1020	1730	05/10 1930 KNM	1930		MNTY OFFT OT/CO	05/18 1531 EJD	

QA data shown is from a different sample or standard on the same date. *

102.0

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Inc. Environmental Services Co.,

Inc. Company, Environmental Services

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Northwest Arkansas Branch 1107 Century Avenue (479)750-1170 Tel.

Collected By: JASON BARRETT Delivery By : JGK Work Order : EQUIPMENT BLANK : GRAB WWATER 05/04/21 Sample Time : Sample Type : Sample From Sample Date Customer Name: NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No.: 2451 / AR00038288 Control Number: 2105010072 Report Date : 05/27/21

Purchase Order :

Precision Method Quantity Notes Laboratory Analysis 0.630 ng/L Result Mercury, low level Parameter Date Time By 05/25 1027 TA Analysis

EPA 1631E

% Recovery Accuracy

% RPD

Quality Assurance

100.0

Signature

Environmental Services Co.,

where applicable for Quality Assurance purposes.

Analysis time indicates the time of

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136.

A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

* QA data shown is from a different sample or standard on the same date,

Eny mental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

	Client Information				O DE	iont late	- deligo					ŀ		
					2	rioject imorniation	ination in			Y	Rednested	sted F	aram	Parameters
Client:	North Little Rock WWU/White	VWU/White	Oak	Permit/Project #:	ject #:								_	
Address:	P.O. Box 17898			Purchase Order #:	Order #:	210801	503			_	-			
	North Little Rock, AR	4R 72117		Work Order #	# 1.					_	(
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jasen	Record	*		_	.(25.	(5	W.	
Fax:	501-945-2367					RMen	ł					stnər	NA	
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	9	1	4			TIM	umo	Z()	70
ESC Client Number: 24	2451 Effluent Quarterly	rly			. //	T	0	cha				၃ ခရ		
Sample Identification	tification		Sample	Collection		12.	Sample (Sample Containers) əbir) sloi	S) sl	.) Æ (16
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	five #	_		sieN	Merc N(
NOE WIR MC 02.1	710010071	5-5-31	06430	Grab	Wwater	Plastic	8 oz	NaOH+Asc Acid	-	-	_		\vdash	
MDE WIR MCR - 83 21		5-5-21	0930	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×		-	
WOE WITH MCR 0222		5-5-21	0260	Grab	Wwater	Plastic	8 oz	H2SO4	4-		×		X	
WOE-WIR-MCR. BA. 21		5- 6-11	6930	Composite	Wwater	Plastic	8 oz	HNO3	-			×	-	
WOE-WTR-MCR-CL2-21	+	5-5-3	0630	Composite	Wwater	Glass	250 ml	Cool ≤ 6° C	-				×	
Equipment Blank	2100/05012	5- 5-1	02 49	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-				×	
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relindurated by: (Amalure and Americal Name)	Name)	S conte	line	Received By. (Sig	(Signature and Printed Name)	Name)	1 0 0	S LY LY	SC. 22	Custody Seals:	Seals:	1	1	
Reinquished By: (Signature and Printed Name)	Name)	Date	Time	Raceived By: (Sig	Received By: (Signature and Printed Name)	Name)		Date) ami	Tumaround	2		Halor	1
Religion By Cinnet and Dained Morror	Momen	i	1							Regular	2		Special	
A COLUMN	sorrally)	Shelzi	919	Nacinal By	(Signature	Printed Name) Kristroclui	Sulins	5/5/21	S Interest	Were sam	Were samples properly preserved:	operly pr	eserved:	
Cool all samples to a degles	o c with roe	- 1			Flow Data		Field Test	Time	Analyst	Result	Result		Units	
comments: tests updated par chain i	par chain i bid	KAW 5/7	7/24	国会語	Analyst:							H		
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Cd(48.PS), Tl(81.PS), Pb(82.PS)	5),				Units:						1	\dagger		
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.PS	S), 00.MD			Chlorinated?	Z	Fecal Start:			This D	This Document is Pane	- di	age of	T
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Fax (501)221-1341 AR 72211 13715 West Markham Corporate Office Little Rock, (501)221-2565 Tel

Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue

(479)750-1170 Fax (479)750-1172

Tel.

Sample Type Customer Name : NORTH LITTLE ROCK-WHITE OAK INF Customer/Permit No. : 2452 / AR00038288 2108010064 Report Date : 08/19/21 Control Number:

Collected By: Delivery By Work Order Composite Date:08/09/21 -08/10/21 Sample Time : 0935-0935/0935(8/10) Sample From : WOI-WTR-MLR-Q3-21 : COMP/GRAB WWATER

Purchase Order: 211470

: JASON BARRETT/B : DMP

	Laboratory Analysis		9		Quality A	Quality Assurance ecision Accuracy
Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
	< 0.0500 mg/L			EPA 200.8	0.65	104.1 *
Cyanide Total (HACH 10265				SM 2011 4500-CN E	3.67	109.0 *
	0.13 mg/L			EPA 420.1	3.39	* 2.86
	0200			EPA 200.8	0.84	116.3 *
	0200			EPA 200.8	1.24	110.3 *
	0219			EPA 200.8	4.55	111.4 *
	1901			EPA 200.8	3.45	105.9 *
	0100			EPA 200.8	1.07	104.9 *
	0120			EPA 200.8	0.04	* 0.88
	0200			EPA 200.8	2.57	* 88.8
	1200			EPA 200.8	1.10	* 9.601
	0200			EPA 200.8	1.89	92.3 *
	00200				2.02	78.2 *
	< 0.0100 mg/L				1.09	84.8 *
	0200			EPA 200.8	1.30	120.0 *
	0.0264 mg/L			EPA 200.8	1.21	117.4 *

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Service's Co., Inc.

Revised 4-14-99

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Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

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CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico

Carlsbad, New Mexico 575-887-1ESC

Ö	Client Information				Pre	Project Information	rmation			02	Politics:	Reguested Parameters	natare
Client: N	North Little Rock WWU/White	vwu/white	Oak	Permit/Project #:	1								
Address: P	P.O. Box 17898			Purchase Order #:	Order #:	211470	0,						
_	North Little Rock, AR	AR 72117		Work Order #	# 36								
Phone: 5	501-945-7186			Sampler Name(s):	ame(s):	2000	Joseph Bross				(
Fax: 5	501-945-2367					Royer	Boyen Conft				sjuəi		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	0	A B	4			nmo		
ESC Client Number: 245	2452 Influent Quarterly	rly			"	Constitution	S. Car				_	_	
Sample Identification	fication		Sample	Collection		þ	Sample (Sample Containers) ebir () slor) clo		
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preservative	#	_	_		
WOI - WTR MCR-53-21	2108610064	8/10/18	0935	Grab	Wwater	Plastic	8 oz	NaOH+Asc Acid	-	×	\vdash		
WUI WTR MCK-G3-21	_	8/10/Al	0935	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×		
MOT WITH MCR B3-AL	+	17/01/8	0935	Composite	Wwater	Plastic	8 02	HNO3	-		×		
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										\vdash		F	
	100								F				
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Section 19	ana)	8/10/21	1470	Don't Phica WAITP PIECE Blogs	Partice and Printed	W. C. P	PERE		- C.O.	Custody Seals: Used?	Seals:	Intact7	
Rejumushed By: (Signature and Printed Na	ame}	Date	Time	Received By: (Sign	Received By: (Signature and Printed Name)	Name)		_	-	Turnaround	ALC: U	Cioca	
Relinquished By: (Signature and Printed Name)	DESTA LEGIC	OR NO Pare	1528	Received for Lab By: (Signature angerinted Name)	y: (Signature and	Printed Name)	200	Date	Time 1.57 &	Were samp	mples prop	Were samples properly preserved][[
Cool all samples to ≤ 6 degrees t	C with ice.				Flow Date	(a)	Field Test	9	T	Result	Regult	No I	-
Comments: Be(4.HW), Ni(2)	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW)	s(33.HW), Ag(47.HW), Cá(N	1							\perp	
Cr(24.HW), Zn(Cr(24, HW), Zn(30, HW), Se(34, HW), Mo(42, HW), Sh	Mo(42.HW). S	6(51.HW),00.HG,00.MD	Т	Reading:	İ			T				
				Т	Units:			1			1	1	
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Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel.

Composite Date:08/09/21 -08/10/21 Sample Time : 0945-0945(8/10) Composite Date: 08/09/21 OAK EFF Customer Name : NORTH LITTLE ROCK-WHITE Customer/Permit No. : 2451 / AR00038288 Control Number: 2108010062 Report Date : 08/26/21

Sample From : WOE-WTR-MCR-Q3-21 Sample Type : COMP/GRAB WWATER

Purchase Order : 211470 Work Order

7: JASON BARRETT/B : DMP

Collected By:

Delivery By

Analysis	Laboratory Analysis				Quality Assurance	ssurance
Darameter	± 1113 € 0	Motos	On the state of th	7 + > %	Frecision	Accuracy
	100		Vadilerey	1	* RPD	* Recovery
beryllium	00.0			EPA 200.8	0.65	104.1 *
Cyanide Total (HACH 10265				SM 2011 4500-CN E	3.67	* 0.601
Mercury, low level	7.300 ng/L			EPA 1631E	00.00	* 0.98
Nitrate Nitrogen	0.8760 mg/L			HACH 10206	0.84	101.0
Nitrite Nitrogen	< 2.0000 mg/L			EPA 354.1	00.0	*
Phenolics, Low Range	005				11.11	, LQ
Chromium	00.			EPA 200.8	0.84	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Phosphorus, Total (as P)	560				0.65	* 7.0
Nickel	00.				1.24	110.3
Copper	00.			EPA 200.8	4. 1.0. 1.0.	* 4 1 1 1
Zinc	00.				3 . 4 . 5	* 6 50
Arsenic	00.				1.07	104.9 *
Selenium	00.			EPA 200.8	0.04	* 0.88
Molybdenum	< 50.00 ug/L			EPA 200.8	2.57	* 88.88
Silver	0.0			EPA 200.8	0.64	109.6 *
Cadmium	00.			EPA 200.8	1.89	92.3 *
Antimony	00.			EPA 200.8	1.09	84,8
Thallium	< 50.000 ug/L			EPA 200.8	1.30	120.0 *
Lead	25.22 ug/L			EPA 200.8	1.21	117.4 *

QA data shown is from a different sample or standard on the same date.

equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Co., Inc. Environmental

(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 1107 Century Avenue

> Sample Date Sample Time Sample Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 Control Number: 2108010063 Report Date : 08/26/21

: BOUIPMENT BLANK : GRAB WWATER Type Sample From

08/10/21

: 0945

Purchase Order: 211470 Work Order

Collected By: JASOON BARREIT/ Delivery By : DMP

Quantity Notes Laboratory Analysis Result Parameter Date Time By 08/25 1256 ACZ Analysis

9.200 ng/L

Mercury, low level

Method EPA 1631E

% Recovery Accuracy 86.0 Quality Assurance Precision % RPD 0.00

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Signature

Environmental Servides Co., Inc.

Revised 04-15-2019

Enk. Imental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341



Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

0	Client Information				Pro	ject Info	Project Information				eque	sted	Para	Requested Parameters
Client:	North Little Rock WWU/White	WWU/White	Oak	Permit/Project #:	ı						-	-		
Address:	P.O. Box 17898			Purchase Order #:	Order #:					T		11,00		
	North Little Rock, AR 72117	AR 72117		Work Order #	# Je	31147C	0					_		
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Jasar	Jason Rymont	क्		_	-	(
Fах:	501-945-2367					Bryon	Crat			_	(-52			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	C	B	6		_	-			(
ESC Client Number: 24	2451 Effluent Quarterly	erly			/	6	2 miles	1						16.3
Sample Identification	tification		Sample	Collection	3		Sample C	Sample Containers) əbir			('61	,)Æin:
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	ive #		NO3	Stell	NOS(Merc
WOE-WITE-MCK-03-21 2108010062	2108010062	8/10/31	6445	Grab	Wwater	Plastic	8 02 /	NaOH	-	×	\vdash	_		
WOE WITH MCR-63 XI	-	8/10/31	5460	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			
WOE-WIR-MCE-GZ-XI		8/10/21	09F	Grab	Wwater	Plastic	8 oz	H2SO4	-		×			
WOE-WTR-MCR-B3-2)		8/10/21	5460	Grab	Wwater	Plastic	8 oz./	Cool ≤ 6° C	-		-		×	
WUE-WIR-MCR-634		10/01/8	5460	Composite	Wwater	Plastic	8 oz.	HNO3 to pH <2	2			×		
WOE-WTR-M.R-G3-81	7	8/10/3	0 945	Composite	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	-					×
Equipment Blank	2108010063	8/10/21	5460	Grab	Wwater	Glass	250 ml V	250 ml 1 Cool ≤ 6° C	-					×
Keliperaned By: Aquature and Printed Name)	(Name)	8/19 /2i	140	Receiving By: (Sig	By: (Signature and Printed Name		ALD PIPE SIPIZ	08/0/21	14 10	Custod Used?	Custody Seals: Used?	-	Intact?	
Kenndulshed by: (Signature and Printed	(Name)	Date	Time	Received By: (Sig	Received By: (Signature and Printed Name)			Date	Time	Turnaround	12 -	1		
Relinquished By: (Signature and Printed Name) CSRC 08 10/31	Name) PSBC	08/10/21	1675	Regived for Lab	Received for Lab By. (Signature and Printed Name)	Printed Name)		Date O I o 12:	Time	Were se	amples	property	Were samples properly preserved] [
Cool all samples to < 6 degrees C with ice.	s C with ice.		10/0		Fløy Data	a Colon	Field / est	1	Analyst	Recult	g	Poeur	Ž	No
Comments:					Analyst:		>	T			Т			200
					Time:						H			
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS), Cd(48.PS), Tiga DS), Db/83.DS)	3, As(33.PS), Ag(47.PS)		Ī		Reading:						Н			
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00 MD	S), Mo(42.PS), Sb(51.P	S), OO MD			Onits:	2 >	1			į	+			
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Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2110010065

Customer Name : NORTH LITTLE ROCK-WHITE OAK INF

Customer/Permit No. : 2452 / AR00038288

Report Date : 11/19/21

Composite Date:10/26/21 -10/27/21 Sample Time: 0935-0935 0935 Sample Type: COMP/ GRAB WATER Sample From: WOI-WTR-MCR-Q4-21

Collected By: JASON BARRETT Delivery By : HMK Work Order : Purchase Order :

Ouality Assurance	Accuracy	% Recovery	108.7 *	112.5 *	* 4.86	109.2 *	* 9.88	104.3 *	* 6.62	* 2.86	* 1.96	* 4	* 80.3	111.9 *	94.5 *	74.7 *	112.6 *	* 600
Ouality	Precision	* RPD	6.70	4.44	1.60	2.53	1.18	9.46	10.89	3.76	2.85	9.28	0.77	2.20	2.67	4.24	7.86	0.73
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 245.1	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
60		Notes																
Laboratory Analysis		Result	< 0.0500 mg/L	100	0.15 mg/L	< 0.0200 mg/L	< 0.0200 mg/L	0.0310 mg/L	0.0890 mg/L	< 0.0100 mg/L	< 0.0150 mg/L	< 0.0500 mg/L	< 0.1200 mg/L	< 0.0200 mg/L	< 0.0050 mg/L	< 0.0100 mg/L	<pre>1/6m 0020.0 ></pre>	0.0460 mg/L
I		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	Time	1320	10/29 0400 NTR	0515	10/28 1320 NTR	1320		1320		1320 NTR	NTR	1320 NTR	1320 NTR	1130	10/28 1320 NTR	10/28 1320 NTR	10/28 1320 NTR

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Revised 4-14-99

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website: www.esclabs.com

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Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Ci	Client Information				Pro	Project Information	rmation			Re	quest	ed Para	Requested Parameters
Client:	North Little Rock WWU/White Oak	/WU/White	Oak	Permit/Project #:	ect #:								
Address:	P.O. Box 17898			Purchase Order #:	Order #:	212028	80						
	North Little Rock, AR	AR 72117		Work Order #	#_								
Phone: 5	501-945-7186			Sampler Name(s):	ame(s):	Jason	Jason Ronett				(S		
Fax: 5	501-945-2367					Bayon	Crose				Jueu		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	0	Band	÷.			ıwoc		
ESC Client Number: 24	2452 Influent Quarterly	rly			/	1 Rm	1	Ma		_			
Sample Identification	fication		Sample (Sample Collection			Sample C	Sample Containers		ebin slon	S) S E		
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	tive #	_			
MOI - WTR - MCR-64 1	2410016065	12-72-01	0935	Grab	Wwater	Plastic	8 oz 🗸	NaOH+Asc Acid	1	×			
	-	16-27-21	0935	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	7	×			
WIST WTR-MCR CHIL	4	14-27-21	0935	Composite	Wwater	Plastic	8 02	HNO3	-		×		
			ļ										
Religence and Printed Name)	(ame)	16-17-3	8441	FayCan IX	nature and Printed Name)	Name		(0/376)	**************************************	Custody Seals: Used?	Z Seas	Intact?	
Retrictuished By: (Signature and Printed Name)	Jame)	Date	Time	Received By. (Signature and	nature and Printed Name)	Name)		Date	Amil.	Turnaround Regular	12	Special	
Relinquished Br. (Signature and Printed Name)	(arme)	Date 1017/21	Тіте 70 1	Received for Lab E	Received for Lab By: (Signature and Printed Name)	Printed Name)	Name)	Date Date	\$:35	Were samp	mples pro	Were samples properly preserved: Yes	No No
Cool all samples to ≤ 6 degrees C with ice	C with ice.				Flow Da	Data	Field Test	Time	Analyst	Result	Result	L	Units
Comments: Be(4.HW), Ni(;	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4	s(33.HW), Ag	(47.HW), Cd(48.HW)	18.HW)	Analyst:							L	
TI(81.HW), Pb	(82.HW), Hg (50.15)				Time:								
Cr(24.HW), Zn	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW),00.HG, 00.MD	Mo(42.HW), S	:b(51.HW),00.	HG, 00.MD	Reading:						\perp	1	
					Units:	T						-	
					Chlorinated?	z >	Fecal Start:			This D	nempo	This Document is Page	of

Fax (501)221-1341 AR 72211 13715 West Markham Corporate Office Little Rock, (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

Sample Time : 0945-0945 0945 Composite Date:10/26/21 Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 Report Date : 11/26/21 Control Number: 2110010063

Sample From : WOE-WTR-MCR-04-21 : COMP/GRAB WWATER Sample Type

Purchase Order: Work Order

: JASON BARRETT: HMK

Collected By:

-10/27/21

Delivery By

	Laboratory Analysis				Onality	Onality Deanyange
					Precision	Accuracy
Parameter	Result	Notes	Quantity	Method	% RPD	* Recovery
Beryllium	< 50.00 ug/L			EPA 200.8	4.44	107.7 *
Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	4.44	112.5
Metal Digestion Liquid	1.00			1994 EPA 200.8)
Mercury, low level	4.120 ng/L			EPA 1631E	00.00	. C
Nitrate Nitrogen	5.7400 mg/L			HACH 10206	0.51	103.8 *
Nitrite Nitrogen	4.2400 mg/L			EPA 354.1	1.21	* 0.00
Phenolics, Low Range	< 0.005 mg/L			EPA 420.1	2.41	101.2
Chromium	< 20.00 ug/L			EPA 200.8	2.53	* 0 50"
Phosphorus, Total (as P)	1.300 mg/L			EPA 365.1	68.0	* a
Nickel	< 20.00 ug/L				2	* * \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Copper	< 20.00 ug/L				0 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	104.0
Zinc	56.36 ug/L				5000	; + 0, 0 1, 0 1, 0 1, 0 1, 0 1, 0 1, 0 1, 0
Arsenic	< 10.00 ug/L				70. 2	. *
Selenium	< 15.00 ug/L				, c	* *
Molybdenum	< 50.00 ug/L				0000	: #
Silver	< 120.0 ug/L				, ,	# n
Cadmium						. 0.00
Antimony					4.24	* 1. 7.
Thallium	< 50.000 ug/L				7.86	112.6 *
Lead	11.34 ug/L			EPA 200.8	0.73	* 8.08
				•		

* OA data shown is from a different sample or standard on the same date.

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included. calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. equipment used is checked and/or

Signature

Environmental Services

Services Company, Inc. Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

-10/27/21

Composite Date:10/27/21 Sample Time : 0945 Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 Control Number: 2110010064 Report Date : 11/26/21

Sample Type : GRAB WWATER Sample From : EQUIPMENT BLANK

Collected By: JASON BARRETT Delivery By : HMK Work Order : Purchase Order :

% Recovery Quality Assurance Precision % RPD 0.00 Method EPA 1631E Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 11/12 1232 ACZ Analysis

Accuracy

* QA data shown is from a different sample or standard on the same date.

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Signature

Services Co., Inc. Environmental

Revised 04-15-2019

Environmental Services Company, Inc.

Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

)	Client Information				Pro	Ject Into	Project Information			T	Requested Parameters	sted	T CO	neters
Client:	North Little Rock WWU/White	VWU/White	Oak	Permit/Project #:	ect#:									
Address:	P.O. Box 17898			Purchase Order #:	rder #:	812028	28							
	North Little Rock, AR	AR 72117		Work Order #	#.									
Phone:	501-945-7186			Sampler Name(s):	ıme(s):	Jaio	Jaios Barrett	+		_		(9		
Fах:	501-945-2367					8 CYON	Crot				(.25.)	aluən		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ıre(s):	9		A STATE OF THE PROPERTY OF THE			_	uwo		
ESC Client Number: 24	2451 Effluent Quarterly	rly				0	7	1		_) 99	. 9I	2:21
Sample Identification	tification		Sample	Collection	3	9	Sample C	Sample Containers		əbir) alor (.81)	S) sli	(18.) cury(\6 ma
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preservative	# e		_	staM	_	
WICE -WTR - MCR-642	QUONDONG3	10 27-21	0935	Grab	Wwater	Plastic	8 oz	NaOH	-	×	-			
MUSE - WITH MCK-GY 21	=	10-27-21	2460	Grab	Wwater	Glass	1 Liter V	CuSO4+H2SO4	-		×			
WOE-WTR-MCR-GN-21		14-72-01	0945	Grab	Wwater	Plastic	8 oz v	VH2S04	-		×			
A WOE WIR MCR-34-21		10-27-2	0945	Grab	Wwater	Plastic	8 oz 🗸	Cool ≤ 6° C					×	
WILE WIR MOR GY 21		12-12-01	2460	Composite	Wwater	Plastic	8 oz 📎	HNO3 to pH <2	2 1			×		
WOE WIR MCR-OFF 21	-1	וב-17-01	0945	Composite	Wwater	Glass	250 ml	Çool ≤ 6° C	1				×	
Equipment Blank	210010014	10-27-21	2945	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	1				×	
									-		-			
Reinquished By, Lignature and Printed Name)	(Name)	N-72-0	- C	Received By: Gign	Gignature and Pented	Med Name	1	10/375(11	Çime √ÇŞ	Custod Used?	Custody Seals: Used?	-	Intact?	
Reinquished By: (Signature and Printed Name)	i Name)	Date	Time	Received By: (Sign	(Signature and Printed	ted Name)		Date	-Lime	Turnaround Regular	ë 🗕	rt	Special	
Relinquished BY (Signatury Ind Winted Name)	, Marile M	State of the state	Time	Received for Lab By: (Signature and Printed Name)	y: (Signature and)	Printed Name)	94	10/23/18 8	8.35	Were s	samples p	Jroperty	Were samples properly preserved:	ļĽ
o) saidu	≤ 6 degrees C with ice.				Flow Data	ıta	Field Test		Analyst	Result	t Result	int	Units	its
Comments:			-	直然同	Analyst:						H			
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS),	5, As(33.PS), Ag(47.PS)			700	Reading:						+			
Cd(48.PS), TI(81.PS), Pb(82.PS)	·S),				Units:						H	П		
Cr/24 DO: 72/30 DO: Ca/34 DO: M2/42 DO: Ch/64 DO: 00 MD	CO MACAD DO CACES	CAN ON VO			Or other Paris	111	Parent Otent			1		1		

Inc Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel.

: 01/05/22	Sample Time : 0715 Delivery By : J. BARRETT	Sample Type : COMP/GRAB WWATER Work Order :	Gample Brom . FI.E.WPPMCPO102
Control Number: 2201010437	Customer Name : NORTH LITTLE ROCK-FAULKNER EFF	Customer/Permit No. : 2455 / AR00020303	Report Date : 01/01/00

er:	Order :
Work Order	Purchase

U

Quality Assurance	Accuracy	% Recovery	105.1 *	96.5	100.0 *	109.0 *	98.3 *	* 0.66	* 9.96	97.2 *	102.0 *	N/A *	93.9 *	* 6.56	82.9 *	* 6.98	84.4 *	* 2.68	81.7 *	* 82.8	76.7 *	81.7 *	* 9.88
Quality	Precision	* RPD	1.58	3.11	5.70	5.43	2.05	00.0	2.06	0.21	3,39	21.51	10.0	1.67	00.9	0.23	0.52	0.56	0.56	0.12	0.17	0.31	0.12
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	02/2014 HACH 10242	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	SM 2011 2540 C	EPA 200.8	EPA 200.8		EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																					
		Notes																					
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	0.633 ng/L	23.0 mg/L	9.0200 mg/L	< 0.0150 mg/L	< 0.005 mg/L	< 20.00 ug/L											0.00	< 50.000 ug/L	22.16 ug/L
H-1		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
	sis	Time By	0457 NTR	0405 NTR	1100 ARA	1335 EJD	1045 KSR	1115 KSR	1230 NTR	0457 NTR	1640 EJC	1430 EJD	0457 NTR	0457 NTR	0457 NTR	57 NTR	0457 NTR	0457 NTR	0457 NTR	0457 NTR	0457 NTR	0457 NTR	57 NTR
	Analysis	i	11 04	07 04	11 11	06 13	07 10	11 /0/	10 12	11 04	/13 16		11 04	/11 04	11 04	11 0457	11 04	11 04	/11 04	11 04	11 04	11 04	11 045
	7	Date	01/	01/	01/	01/	01/	01/	01/	01/	01/	01/06	01/	01/	01/	01/	01/	01/	01/	01/	01/	01/	01/

QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.

Environmental Services Company, Inc.

MAA CECIBDE COLL 501-221-1341 (f) 601-221-2565 (p) 0711-027-674 Springdale, Arkansas Little Rock, Arkansas 72211 13715 West Markham 275-887-7-ESC (372) Corporate Office Carlsbad, New Mexico



Method: 81	7000 S ved 81808 W		
	QUALITY ASSURANCE D	ATA	
Chlorpyrifos		ND	10.0
snA	jyte	Result	Detection Limit
	ANALYTES OF INTEREST (µg	/r ot bbp)	
Sample Identification	FLE-WTR-MCR-Q1-22	Report Date:	01/21/22
gswble Type:	Grab Wastewater	Receipt Date:	01/06/22
Control Number:	2201010437	Sample Time:	9170
Client:	North Little Rock Five Mile Effluent	Sample Date:	01/06/22
	LABORATORY REF	INO	

% Recovery Limits **Жесолец** SVV 8081B, Rev 2, 2007

72.9%

Decachlorobiphenyl System Monitoring Compounds

Data Release authorized by:

1220 01/12/22

44,1-108

AAA

:taylenA :emiT sizylsnA :etsQ sisylsnA

Laboratory control samples were monitored for all analytes of interest.

Ned Ryerson, Laboratory Manager



Environmental Services Company, Inc.

s Branch venue 72762 : (479)750-1172	Collected By: J. BARRETT/B. C Delivery By : J. BARRETT Work Order : Purchase Order :	Quality Assurance Precision Accuracy \$ RPD \$ Recovery 5.70 100.0 *
Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172	Collec Delive Work C Purcha	Method EPA 1631E
Tel.	Sample Date: 01/05/22 Sample Time: 0715 Sample Type: GRAB WWATER Sample From: EQUIPMENT BLANK	Laboratory Analysis Result Notes Quantity
Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341	Control Number: 2201010438 Clistomer Name: NORTH LITTLE ROCK-FAULKNER EFF Clistomer/Permit No.: 2455 / AR00020303 Resport Date: 01/21/22	Analysis <u>Diate Time By</u> 0:1/11 1105 ARA Mercury, low level

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.

Revised 04-15-2019

Erl nmental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

Requested Parameters						OS+N)), NG	(72) ;	тра				×	×	×	×	×		Intact?		Special	Were samples properly preserved:	Units			
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Redu								slon			×								Custody Seals: Used?	urnaround:	lar	yes Yes		H	T	Г
L							(.9)	əpin		×									Custod Used?	nru	Regular	-	~	Ц	\perp	L
									#		_	-	7	_	-	_	1		Time 1430	Time		Time	Analyst			
						A	7	Sample Containers	Preservative	NaOH+Asc Acid	CuSO4+H2SO4	HNO3	None	None	H2SO4	HCI	HCI		1/5/22 10			Date 1-5-7	Į₹			
Project Information		180		Jiscus Bornett	Crist	Rome	the Carl	Sample C	Volume	8 oz 🗸	1 Liter	8 oz 🗸	1 Liter	8 oz . 🗸	8 oz	250ml /HCI	250ml / HCI					es F	Field Test			
oject Info		212480		Jesen	Bester	5	Monda.		Type	Plastic	Glass	Plastic	Amb GI	Plastic	Plastic	Amb GI	Amb GI		d Name)	d Name)		d Printed Name	Data			
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	Permit/Project #:	Purchase Order #:	Work Order #	Sampler Name(s):		and Signature(s):		Collection	Type	Grab	Grab	Composite	Grab	Grab	Grab	Composite	Grab		Received By: (Signature and Printed Name)	Received By: (Signature and Printed Name)		Received for ap 67: Signature and Printed Name)		国然回	8	**
	ner Lake							Sample	Time	SILO	SILO	o7is	SILD	o7is	3715	2110	0715		1430	Time		1600				
	WU/Faulkr		.R 72117			eston	-1st		Date	115 /AA	1/5/33	1/5/37	1/5/13	1/2/97	115 /AL	1/5/12	1/5/18		77 Date	Date		15/22			, Cd(48.PS)	
Client Information	North Little Rock WWU/Faulkner Lake	P.O. Box 17898	North Little Rock, AR 72117	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	5 Effluent Quarterly	ification	ESC Control #	333 Order bush	33 statestet 3	1201010437	117122				- 32010144	2201010436	Name) (0.11 1-1			Name)	C with ice.), As(33.PS), Ag(47.PS)	
Ō	Client:	Address;		Phone:	Fax:	Contact:	ESC Client Number: 2455 Effluent Quarterly-1st	Sample Identification	Identification	FLE-WTR-MC -21-32 330000 4666	FLE-WTR-MCR-31-22	FLE-WIR-MCK-Q4-21	FLE-WTR-MCR-02-32	FLE-WTR-MCR-GLT-ER	FLE-WTR-MCR-01-21	FLE-WIR-MUR-021-22	Equipment Blank		Relinguished By: (Signature and Printed Name)	Relinguished By. (Signature and Printed Name)		Reinpdished By: (Signature, and Printed Name)	9 2 01	Comments;	Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)	TI(81.PS), Pb(82.PS),

Fax (501)221-1341 AR 72211 13715 West Markham Corporate Office Little Rock, (501)221-2565

Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue

Fax (479)750-1172 (479)750-1170

Tel

Collected By: KAYLA JONES Delivery By : MER Purchase Order : Work Order : FLE-WTR-MCR-Q2-22 : GRAB/COMP/WWATER 05/10/22 Time Sample Type From Sample Date Sample Sample 田子子 Customer Name : NORTH LITTLE ROCK-FAULKNER Customer/Permit No. : 2455 / AR00020303 Control Number: 2205010326 Report Date : 06/16/22

% Recovery Accuracy 98.7 106.1 101.5 102.5 97.9 99.2 98.9 92.3 116.0 108.0 95.0 N/A 100.8 102.2 97.0 93.6 98.0 Quality Assurance Precision 0.82 % RPD 0.29 5.15 1.10 0.93 0.77 1.69 0.08 0.40 1.44 16.67 1.50 12.72 13.33 11.45 0.69 2.27 02/2014 HACH 10242 闰 SM 2011 4500-CN Ç SM 2011 2540 Method HACH 10206 EPA 420.1 EPA 200.8 EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8 EPA 354.1 EPA 200.8 EPA 1631E EPA 365.1 Quantity Notes Laboratory Analysis mg/L mg/L mg/I ug/Ir mg/L mg/L ng/F ng/r ng/I ug/L ug/L ng/L ng/I ng/L ng/I ng/I < 0.0100 mg/L 0.0150 mg/L 198.0 1.200 < 20.00 < 50.00 9.9 8.2690 0.005 < 20.00 1.620 < 20.00 < 50.00 < 10.00 < 15.00 < 50.00 < 120.0 < 20.00 < 10.00 Result Cyanide Total (HACH 10265 Phosphorus, Total (as P) Solids, Total Dissolved rotal Kjeldahl Nitrogen Phenolics, Low Range Mercury, low level Parameter Nitrate Nitrogen Nitrite Nitrogen Molybdenum Beryllium Chromium Selenium Antimony Arsenic Cadmium Silver Copper Nickel Zinc AAC NTR NTR ACZ ACL ACL NTR NTR ACL AAC NTR NTR NTR NTR NTR NTR NTR Time By Analysis 1350 1555 0645 0405 1040 0200 1430 1548 1457 0645 0645 0645 0645 0645 0645 0645 0645 0645 0645 05/23 05/20 06/15 06/15 05/23 06/15 05/16 05/23 05/23 05/23 05/23 05/23 05/23 05/23 10/90 05/23 05/31 05/13 05/23 05/23

QA data shown is from a different sample or standard on the same date

104.2 101,1

0.68

200.8

EPA

 $^{\mathrm{T}/\mathrm{En}}$

50.000

Thallium

0645 0645

200.8

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature

Serviges Co., Inc. Environmental

Northwest Arkansas Branch Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 1107 Century Avenue

> Date: 05/10/22 Sample Type Sample Date Sample Time Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Coutrol Number: 2205010327 Report Date : 06/09/22

: EQUIPMENT BLANK : GRAB/WWATER Sample From

Collected By: KAYLA JONES Delivery By : MER Purchase Order : Work Order

> Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 05/31 1354 ACZ Analysis

Method EPA 1631E

& Recovery Accuracy

Quality Assurance

Precision

% RPD

* QA data shown is from a different sample or standard on the same date.

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Signature

Services \$6., Inc. Environmental

Revised 04-15-2019

Eny Imental Services Company, Inc.

Corporate Office 13715 West Markham

P.O. Box 55146 Little Rock, AR 72215 website: www.esclabs.com Little Rock, AR 72211

Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

	Client Information														
	mont information				Pr	oject Inf	Project Information			Ĺ	Seam	ested	Dar	Requested Parameters	[
Client:	North Little Rock WWU/Faulk	NWU/Faulk	ner Lake	Permit/Project #:							+	-		-	,_
Address:	P.O. Box 17898			Purchase Order #:	Order #:	7016	2194VO 1240UT	71000		1					
	North Little Rock, AR	AR 72117		Work Order #	er#		C C	100				···			
Phone:	501-945-7186			Sampler Name(s):	Vame(s):	W.//	3			_	-				
Fax:	501-945-2367					Bligg	1								
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	1.6	1			_					
ESC Client Number: 24	2455 Effluent Quarterly	srly		•		100	K					_		31)	
Sample Identification	tification		Sample	Collection			Sample	Sample Containers		3) əpi	S) alo 51,(.8.	eS)s	(:6	.9t)\r	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	# evi	_			1)201	lercu	
FIF-LITH MCR. 00 20	22-05010326 5/10/20	5/0/22	0730	Grab	Wwater	Plastic	8 oz z	HOEN	-	+	+	+	v	1	T
FE WIR MER OD 20	S-11-5	5/11/22	0730	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	20		 ×	1	İ	+	T
HE COTTR MCP -60 22		Sin 120	07.70	Grab	Wwater	Plastic	8 02	HZSO4	72		×			-	I
FLE WIR MER DO 20		5/10/22	0010	Grab	Wwater	Plastic	8 02	Cool < 6° C	11		+		×		I
FLE WIR MER-OR DE		5/0/22	0730	Composite	Wwater	Plastic	8 oz 🗸	HNO3 to pH	CA CA		-	×		-	Τ
7-30	-	5/4/20	0790	Composite	Wwater	Glass	250 ml	Cool ≤ 6° C	-					×	
Equipment Blank	2205010327	5/0/20	0110	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-		_			×	
							*								T
Remay shed EV: (Signature and Printed Name)	Name)	Daie	o ai	December Dr. Dr.	Oronima Dr. Canadasa										Γ
Relinduished By: Signature and Printed Name	16/6 Sne	5/0/20	N/IB	met /	walke and runled	J	h wered	S/10/20	14, D	Custody Seals: Used?	Seals:	_	Intact?		Γ
metal metal / Me	THE LAND T	5/10/22	C: 17	Kecewed By: TSig	(eceived By: (Signature and Printed Name)	Name)		Date	(c) 1 2	Turnaround		١,] [
		Date	At Three	Received for Lab	Received for Lab By: (Signature and Printed Name)	Printed Name		7/10/22	THE PERSON NAMED IN	Regular	4		Special		
Serve 1001 En C	Cooler	5-1-72	Phoo	ABSTREMA	A CLANGER	3		S-11-52	86	were samples properly preserved:	mples p	roperty i	preserved No		
Commente:					Flow Da	Ī	Field Test	Time	Analyst	Result	Result	Ę	P	Units	T
				回然回	Analyst:						H	П			Γ
Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS) Ti(81.PS), Pb(82.PS).), As(33.PS), Ag(47.PS)	, Cd(48.PS)	ise 		Reading:						+				П
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	s), Mo(42.PS), Sb(51.Pg	S). 00.MD			Chits:	T					Н	П			П
							Fecal Start:			This Document is Page 1 of 0	ocnu	ent is F	Page 1	of 0	



Fax (501) 221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170 Tel.

> Composite Date: 08/15/22 Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No.: 2455 / AR00020303 Report Date: 09/23/22 Control Number: 2208010363

-08/16/22 : FLE-WTR-MCR-Q3-22 Sample Type : GRAB/COMP WWATER 0705 Sample Time : 0710-0705; Sample From

Purchase Order : Work Order

Collected By: BRYAN CROFT/KAY

Delivery By : MER

& Recovery Accuracy 100.0 103.0 98.5 98.0 101.8 106.2 101.8 98.5 100.0 91.4 8.66 101.0 99.6 Ouality Assurance Precision % RPD 2.69 1.05 1.40 1.92 0.19 1.72 3.62 4.02 9.71 0.70 0.11 1.63 0.04 囶 SM 2011 4500-CN Method HACH 10206 EPA 200.8 200.8 200.8 200.8 200.8 420.1 1631E 354.1 365.1 200.8 200.8 200.8 200.8 200.8 200.8 EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA Quantity Notes Laboratory Analysis mg/L mg/I mg/L mg/L ng/I mg/L ng/I ng/L ng/I ng/L ug/L ng/I ng/I ng/L 1.150 ng/L ng/L ng/L 8.8800 < 0.0150 < 0.005 < 10.00 < 0.0100 20.00 1.470 Result 10.00 < 20.00 < 50.00 < 20.00 41.13 < 15.00 15.11 < 50.00 < 10.0 < 20.000 10265 Total (as P) Phenolics, Low Range Cyanide Total (HACH Mercury, low level Parameter Nitrate Nitrogen Nitrite Nitrogen Phosphorus, Molybdenum Beryllium Chromium Selenium Thallium Antimony Arsenic Cadmium Copper Nickel Silver Zinc Lead NTR NTR NTR 0515 NTR 349 ACZ JFT NTR JFT JFT JFT JFT JFT JFT JFT JFT JFT Time By Analysis 0430 1 0200 0455 0425 1647 647 647 647 647 647 647 647 647 647 647 647 Date 08/25 08/29 08/25 08/22 08/25 08/25 08/25 08/18 08/18 08/19 08/25 08/25 08/19 08/25 08/25 08/25 08/25 08/25 38/25

96.7

98.6

98.5

QA data shown is from a different sample or standard on the same date.

< 10.00

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Services Co., Inc. Environmental

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Fax (501) 221-1341 Little Rock, AR 72211 Corporate Office 13715 West Markham (501) 221-2565

Collected By: BRYAN CROFT/KAY Delivery By: MER Purchase Order : Work Order Sample From : EQUIPMENT BLANK : GRAB WWATER : 08/16/22 Time : 0705 Type Date Sample Sample Sample NORTH LITTLE ROCK-FAULKNER EFF ustomer/Permit No. : 2455 / AR00020303 2208010364 Report Date: 09/23/22 control Number: Customer Name :

& Recovery Accuracy Quality Assurance Precision 1.05 & RPD

Method

EPA 1631E

Notes 0.330 ng/L Result Mercury, low level Parameter)ate Time By)8/29 1356 ACZ Analysis

Laboratory Analysis

Ouantity

QA data shown is from a different sample or standard on the same date.

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Signature

Services &co., Inc. Environmental

Revised 04-15-2019

En imental Services Company, Inc.

Corporate Office 13715 West Markham

P.O. Box 55146 Little Rock, AR 72215 Little Rock, AR 72211

website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341 Phone: 501-221-2565



Albuquerque, New Mexico Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372 888-372-3477

			•	1	1									
	Client Information				Pro	Project Information	rmation			Z.	Requested		Parameters	ters
Client:	North Little Rock WWU/Faulkn	VWU/Faulk	ner Lake	Permit/Project #:	oject #:									_
Address:	P.O. Box 17898			Purchase Order #;	Order #:	221490	0				- 16			
	North Little Rock, AR	4R 72117		Work Order #	er#									
Phone:	501-945-7186			Sampler Name(s):	Jame(s):	Bruga	Croft					(-1
Fax:	501-945-2367					Nallo.	Sinci				(.	-		/M/K
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ture(s):	And C				(175
ESC Client Number: 24	2455 Effluent Quarterly	rly				11/1	- h)		_	_		(18.8	IÍ
Sample Identification	tification		Sample	Collection		7	Sample (Sample Containers) əbir s) slor	1.(.81	9S)sl	18°)'	2 '
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	# A			-	_	n
FLE-WTR-MCR-03-22	120/08/055	00-71-8	501.0	Grab	Wwater	Plastic	8 02	Маон	-	1	+		L	F
TIE WIR MCR Q3 22		8-11-20	5010	Grab	Wwater	Glass	1 Liter	C-SO4+H2SO4	-	×		\vdash		-
FLE WIR MCR 03 20		4-16-22	2070	Grab	Wwater	Plastic	8 oz ,	H2S04	-		×	H	İ	×
FLE WIR MCR 03 20		8-16-20	5010	Grab	Wwater	Plastic	8 oz ,	Cool ≤ 6° C	-			×		\vdash
FLE WAR MCR 03 20		8-16-22	50La	Composite	Wwater	Plastic	8 oz v	ANO3 to pH <2	4			×		-
FIE WAR MCR (33 22)	1	8-11-20	2010	Composite	Wwater	Glass	250 mi	√C001 ≤ 6° C	-				×	-
Equipment Blank	2208410364	8-16-20	2010	Grab	Wwater	Glass	250 ml v	€00 ≤ 6° C	-				×	
														F
,												H		-
Reinnished by: (Signature and Printed Name)	Name)	Date 8/16/23	Time 1421	Received By: (Sit	Signature and Printed Name	(Name)	10000	Date	1 ma	Custody Seals:	Bals:	1 3		ŀ
Relinfushed By: (Signature and Printed Name	27.	Ser Date	Time	Received By: (Si	Received By: (Signature and Printed Name)	d Name)		Date		Tumaround] ٍ[•		۱,
By. (Signatule	Name)	Date	Time	Received for Lab By:	- 12	(Signalure and Printed Name)		Date 1	Т	Meguiar Special	John Politic	S Sank Made	Special	1
				5	- 1 I	Hell I	are.	(42)	150%	Yes		peny pre	No No	Г
					Flow Da	Data	Field Test	Time A	Analyst	Result	Result	F	Units	
Comments:				直接可	Analyst:						Ц	H		
Be(4.PS) Ni(28 PS) Cu(29 PS) Ae(33 PS) Ac(47 PS) Ca(48 PS)	3 As/33 DS1 An/47 DS	CA/AR DC)		100	Oppositor:							+		
V TI(81.PS), Pb(82.PS),		(O 1.01.)			Units:				T		1	+		
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	S), 00.MD		0.00		u.	Fecal Start:			This Do	cumeri	t is Pa	This Document is Page 1 of	
Stort Time 5.15-20	22 ct 0710													

Start lime o

End Time: 8-16-29 of 0765 GIVPEDIDOCHFORMSICHAIN

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

> EFF Customer Name : NORTH LITTLE ROCK-FAULKNER Customer/Permit No. : 2455 / AR00020303 Control Number: 2210010404 Report Date : 11/15/22

Sample Time : 0716-0710/0710(10/26 Sample Type : COMP/2Dan Sample From : FLE-WTR-MCR-Q4-22

Purchase Order : Work Order

Collected By: BRYAN CROFT/KAY

Delivery By : NTR

One lity Aggingange	C		**	* 1.96	104.0 *	*		, 0.004 1004	* 0.801	109.7 *		* 000					* 1 001			\$ 0.26	104.1 *) t
יר ביוט	Dreater	1000	A KFL	2.22	00.00	r.	1 1	2.4	77.4	0.00	0.04	00.0	9 9		70.7	7.76	0 74	4 7 7	7.4.	1.34	1.31	1.39	2 2 2		1 10
		7 (, , , , , , , , , , , , , , , , , ,	CONTRACTOR AND AND AND AND AND AND AND AND AND AND	EFA 200.8	SM 2011 4500-CN E	EPA 1631E	HACH 10206	HD2 354 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EPA 200.8	EPA 365.1	EDA 200.8				EPA 200.8	#DD 200 8			EPA 200.8	EPA 200.8	EPA 200.8		
		Notes Opentity	10 00000																						
20	î	Notes																							
Laboratory Analysis		Result	. 5 00 324/T.		< 0.0100 mg/L	1.270 ng/L	600	0.3400 mg/L	100		.21	7.4400 mg/L		< 3.00 ng/L		75n 65.5c	< 10.00 ug/L	< 10.00 ug/L	7 10 00 11g/T.	13 00 00 to 1		< 4.00 ug/L	00.	< 10.000 ug/L	< 10.00 ug/L
니		Parameter	Bervllium		Cyanide lotal (HACH 10265	Mercury, low level	Nitrate Nitrogen	Nitrite Nitrogen	Dhenolics Low Range		Chromitum	Phosphorus, Total (as P)	Nickel	Copper			Arsenic	Selenium	Molvbdenum		TOTTO	Cadmium	Antimony	Thallium	Lead
	Analysis	Date Time By	11/03 1736 JFT	1 1 1		1106	11/01 1130 DWC	1030	10/31 0430 NTR				1736	1736	7776) (1/36		1736	7000	D 0 0 1 1		1736		11/03 1736 JFT

QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc.

Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

> Sample Date Sample Sample Customer Name : NORTH LITTLE ROCK-FAULKNER EFF Customer/Permit No. : 2455 / AR00020303 Report Date : 11/15/22 Control Number: 2210010405

From : EQUIPMENT BLANK : GRAB WWATER : 10/26/22 Time : 0710 Type Sample

Purchase Order : Work Order

Collected By: BRYAN CROFT/KAY

Delivery By : NTR

Method Quantity Notes Laboratory Analysis 0.420 ng/L Result Mercury, low level Parameter Date Time By 11/11 1106 ACZ Analysis

EPA 1631E

% Recovery Accuracy

Quality Assurance

Precision

% RPD

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Signature

Environmental Services Co., Inc.

En mental Services Company, Inc.

Corporate Office

Little Rock, AR 72215 P.O. Box 55146 Little Rock, AR 72211 13715 West Markham

website: www.esciabs.com Phone: 501-221-2565

Fax: 501-221-1341



Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

	Client Information				Pro	plect Info	Project Information			M.	Reduested Parameters	ted P	aram	ptore
Client:	North Little Rock WWU/Faulkner Lake	VWU/Faulk	ner Lake	Permit/Project #:	l l								-	
Address:	P.O. Box 17898			Purchase Order #:	Order #:	200137								
	North Little Rock, AR 72117	4R 72117		Work Order #	# 16								-	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Halle	100	8				(1		
Fax:	501-945-2367					Bryan	7	, d		*****	(-	sjuəi		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	900		,		,		wwc		
ESC Client Number: 24	2455 Effluent Quarterly	ırly				Se Se	n /	1)))	(16.8	
Sample Identification	ıtification		Sample	Sample Collection			Sample (Sample Containers) abir) alor			(19.) ury(16	ø
ldentification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	##	\rightarrow)EON	si÷M	Welc NOS	7
FIF LITTE MCR. ON 22	2210010404 WALL	10/2/, 122	0716	Grab	Wwater	Plastic	8 oz	NaOH	7				1	
LE WIR MA OH 12		10/26/22	0170	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	7		×			
IE WITH MCR ON 12		0/24/22	OTO	Grab	Wwater	Plastic	8 02	H2SO4	1		×			
FLE WAR MCA CH DO		10/20/22	6710	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C	7				×	
TIE LITA MCROW 11		10 10 (32	0710	Composite	Wwater	Plastic	8 02	HNO3 to pH	42/1			×		
FE LITE MCR CH 22	+	10/96/99	9110	Composite	Wwater	Glass	250 ml	Cool ≤ 6° C	1				×	
Equipment Blank	22/0010405/101/2/100	10/2/201	0110	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	.5				×	
													_	
Delineurophy Day													_	
By Cat Bran	wan cak	10/26/22	f(10	T	Spature and Printed	KILLS OF	. 05		1 / / G	Custody Seals: Used?	Seals:		Intact?	
Relinquished By. (Signakire and Printed	i Name)	Date	Тіте	Received By: (Signa	nature and Printed Name)	Name) /		Date	Time	Turnaround Regular		"	Special	10
Relinquished By (Signature and Printed Name)	ed Re -	Date 10-26-77	1520	Received for Lab By: (Signature and Printed Name)	by: (Signature and	Dinted Name		JC JC M	P. C.	Were samy	Were samples properly preserved	perly pre	eserved:][
0	,			>	Flow Data	Ita	Field Test	H	Т	Result	Result	-	Units]_
Comments:				一条回	Analyst:							Н		
Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)	S), As(33.PS), Ag(47.PS), Cd(48.PS),			Reading:	П					1			
1(61.P5), P5(82.P5)	SC) Mc(42 DC) Ch(#4 D	00 00			Units:	Ī					Ц	H		
פולבירטי, בוונטטירטי, טפנטירי	3), WO(42.P3), 30(31.P	S), UU.IMD	1	2						This D	This Document is Page 1 of	t is Pg	age 1 o	7
SETT 1.mc + DOE 10/12/12	a 22/22/01	at OTICam	,	020										
End Time + Wate: 10/18/192		at olio am	_	,										

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

> Composite Date:01/04/22 Sample Time: 0735-0735 Type Sample Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR00020303 2201010439 Report Date : 01/17/22 Control Number:

Sample From : FLI-WTR-MCR-Q1-22 : COMP/GRAB WWATER

-01/05/22

Collected By: J. BARRETT/B. Delivery By : J. BARRETT Purchase Order Work Order

U

KK

Onality Assirance	Accuracy	% Recover	90.5	96.5	100.2	97.2	93.9	6.86	82,9	86.9	84.4	0.68	2 1 2	00 00	8.68	76.7	81.7	83.6
Onality.	Precision	% RPD	0.11	3.11	0.00	0.21	0.01	1.67	3.41	0.23	0.52	0.56	0.78	0.12	0,32	0.17	0.31	0.12
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8			EPA 245.1	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
		Notes																
Laboratory Analysis		Result	< 0.0500 mg/L	< 0.0100 mg/L	0.15 mg/L	< 0.02000 mg/L	< 0.02000 mg/L	0.0760 mg/L		< 0.0100 mg/L	< 0.0150 mg/L	< 0.0500 mg/L	< 0.12000 mg/L	< 0.02000 mg/L	< 0.0050 mg/L	< 0.0100 mg/L	< 0.0500 mg/L	< 0.01000 mg/L
긔	1	Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	hand f		01/07 0405 NTR		01/11 0457 NTR	0457		0457	0457	0457		01/11 0457 NTR	01/11 0457 NTR	1400	0457	01/11 0457 NTR	01/11 0457 NTR

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Signature

Services Co., Inc. Environmental

Revised 4-14-99

En(mental Services Company, Inc. Corporate Office

Little Rock, AR 72215 P.O. Box 55146 Little Rock, AR 72211 13715 West Markham

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Requested Parameters																 		Intact?	Special	Were samples properly preserved:	F				
ueste				(S)	uəwı	moO	995	sls (19M			×					 	2	>	Seles proper	Result				
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Н			_		_		(.9)	əpin		×			\vdash	\dashv	_	+	Cus	Cheed?	Reg		Result	H	4	+	
									# e	1	-	_		-	-	+	e	1430	emil.	Time	Analyst				
						THE STREET	1	Sample Containers	Preservative	NaOH+Asc Acid	CuSO4+H2SO4	HNO3						1/5/22 1	Date	1-5.22	Time	П			
Project Information		S		Jasen Barrett	Boson Croft	- Bross	In Ch	Sample C	Volume	8 oz	1 Liter	8 oz								(9)	Field Test				
oject Inf		313480		Jasen	Bosow	9	18	2	Type	Plastic	Glass	Plastic					ed Name)	M	ed Name)	land Printed Name)	k				
Pr	ect #:	Order #:	# =	ame(s):		ure(s):		2	Matrix	Wwater	Wwater	Wwater					gnature apd Print	a Kn	nature and Print	By: (Signature a	7>	Analyst:	Time:	Reading:	
	Permit/Project #:	Purchase Order #:	Work Order #	Sampler Name(s):		and Signature(s):		Sample Collection	Type	Grab	Grab	Composite					Receifed By: (Signature and Printed Name)	XIII	Received By: (Signature and Printed Name)	Recorded for tabley. (Signature land Printed Name)			$\overline{}$	b(51.HW), 00.HG, 00.MD	
	WU/Faulkner Lake							Sample	Time	2570	S\$T0	C735					Time .	1920	Time	1606		(47.HW), Cd(48.HW)		3b(51.HW), 0	
			R 72117			eston	erly		Date	15/21	1/5/22	1/5/12					Date	Tt/5/1	Date	1/5/72		s(33.HW), Ag		Mo(42.HW), S	
Client Information	North Little Rock WWU/Faulkn	P.O. Box 17898	North Little Rock, AR	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	2456 Influent Quarterly	tification	ESC Control #	33301018CE		-	220101043A				Name)	Trees Rockett	f Name)	l Name)	S C WITH ICE.	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(b(82 HW), Hg (50 15)	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Si	
Client	Client:	Address:		Phone:	Fax:	Contact:	ESC Client Number:	Sample Identification	Identification	FII- WIR-MCR-01-22 32-010-1250	FIT WITH MIR 33 33	FLI WITH MY B. Q.1 - 22					Reinoughed By: (Signature and Printed Name)	S S S	Refinalished By. (Signature and Printed Name)	Relinguished By. (Signatury and Printed Name)	Cool all samples to < 6 degrees C with ice	Comments: Be(4.HW), N		Cr(24.HW), 2	



Fax (501)221-1341 AR 72211 13715 West Markham Corporate Office Little Rock, (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

Sample From : FLI-WTR-MCR-Q2-22 GRAB/COMP/WWATER 05/10/22 Type Time Date Sample Sample Sample Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR00020303 Report Date : 05/26/22 2205010328 Control Number:

Purchase Order Delivery By Work Order

Collected By: KAYLA JONES

	200	Frecision Accuracy	% RPD % Recovery	1.44	16.67		× / .20 06.0	0.29							0.77						* D.6/	0.40 OR 0 *		0.68 104.2 *	0.62 101.1 *
			Method	EPA 200.8	SM 2011 4500-CN E		- 000								EPA 200.8							EPA 200.8			EPA 200.8
			Quantity																						
			Nores																						
Laboratory Analysis		+	ון ר ון די		100	0.16 mg/L									7/6m 0c10.0 >				000	050) (0.0145 mg/L	500		0.0368U mg/L
		Darameter	177	Tarinam	Cyanide Total (HACH 10265	Phenolics	Chromium	M1-010-1	MICHGI	Copper	2	71170	Arsenic	Splanium		Molybaenum	Silver	11:10:10	כשמוווד חווו	Mercury	Antimons	Allchilly	Thallium	ית מים ביים	
4	Analysis	Date Time By	05/32 OCAE MED	# K	AIN CO 50 07/CO	0200	0645	ログイド	7 1	0645	0645	VITAT OF LO	UD45 NTR	0645 NTR		UDED NIK	0645 NTR	CHIN ALAC	MINI CEON	1330 AAC	OKAK NTD	TITA	0645	0645)

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Signature

Environmental Services

Revised 4-14-99

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P.O. Box 55146 Little Rock, AR 72215 Little Rock, AR 72211

website: www.esclabs.com

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CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

F110116: 50 1-22 1-2565	Fax: 501-221-1341		5				<u> </u>						
	Client Information				Pre	oject Info	Project Information				edneste	ed Par	Requested Parameters
Client:	North Little Rock WWU/Faulkr	WWU/Faulk	ner Lake	Permit/Project #:	yject #:							-	
Address:	P.O. Box 17898			Purchase Order #:	Order #:	700	-214WO 920847	しかるい					
	North Little Rock, AR	4R 72117		Work Order #	# 16					_			
Phone	501-945-7186			Sampler Name(s):	lame(s):	Kolla	Lymes	3,			(s		
Fax:	501-945-2367					B V 40	5	1			tnən		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ture(s):	anh	١,				นเมอ		
ESC Client Number:	2456 Influent Quarterly	terty				M.	7 2	7			_		
Sample Identification	tification		Sample	Sample Collection			Sample C	Sample Containers) əbir) slor	S) sl		
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preservative	tive #		_		
HI-WIT-MA-62-10 2205010328	2205010328	5/0/22	OŢO	Grab	Wwater	Plastic	8 oz V	NaOH+Asc Acid	-	×	+		
FIX WIR MUR 69 22		5/10/22	_	Grab	Wwater	Glass	1 Liter	1 Liter Cuso4+H2SO4	-	×	L		
FLI WIR MER 02 20	-	5/0/20	0710	Composite	Wwater	Plastic	8 02	HNO3	7-		×		
		20									L		
											t	-	
												-	
											L		
												-	
A Signature and riting Name	No York	5/10/29	ime Mis	Received By: (Sig	Received By: (Signature and Printed Name)	d Name)		Date V A / S	1me //e./ r.f.	Custody Seals:	Seals:	Integral	
Segmandre and	1	Date	Catal 5	Received By: (Sig	Received By: (Signature and Printed Name)	d Name)		Date	- Ime	Tumaround	9	OBIL!	
new maker /m	M. Charle Coulded	5/10/22	が下が	Secure	secure walkin coner	coleh		5/10/22	153			Special	[
Secure and Printed Name)	Name)	S-11-62	Time OOO	Received for Lab By: (Sign	ature	and Printed Name					Were samples properly preserved: Yes No	erly preser	No No
Cool all samples to < o degree	s c with ice.				MO.	_	Field Test	Time /	_	Result	Result	L	Units
Comments: Be(4.HW), Ni	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) Ti(81.HW), Pb(82.HW), Hg (50.15)	s(33.HW), Ag	(47.HW), Cd(Analyst:						Ц	H	
Cr(24.HW), Z	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW), S	3b(51.HW), 0C	(51.HW), 00.HG, 00.MD	Reading:							+	
					Units:							-	
					Chlorinated?	ν Σ	Fecal Start:			This Do	This Document is Page 1 of 2	is Page	2002



(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

-08/16/22 Sample From : FLI-WTR-MCR-Q3-22 Sample Time: 0715-0725; 0725 Sample Type: GRAB/COMP WWATER Composite Date: 08/15/22 Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR0002033

Control Number: 2208010365

Report Date : 09/12/22

Delivery By : MER Purchase Order : Work Order

BRYAN CROFT/KAY

Collected By:

11 + 11 - 11 - 11 - 11 - 11 - 11 - 11 -	ASSUI GIICE	Accuracy	& Recovery	08.0	1	× 7.901	95.2 *	* 11 80) u	0.00	* 9,80	* 0 001		98.5 *	* υ ασ	1000	× 0.5%	* 4.16	* 0 00	. 0.00	* 0.08	101.0 *	* 4 00		* 4,00
Out 1: +:	Y TRAFFICY	Frecision	& RPD	1.50	74.10	0/ 1 7	8.00	0.20	3 63	70.0	4.01	1,62	- (2.31		0.63	0.12	1 62		15.90	0.10	22	7 6	77.0
			Method	EPA 200.8	SM 2011 4500_0M E	20 TO TO TO THE	EFA 440.1	EPA 200.8	EDA 200 8		EPA 200.8	EPA 200.8	ס טטט אנופ	EFA 200.0	EPA 200.8	EDA 200 B	0.000	EPA 200.8	EPA 200.8	5 71 C *cte	EFA 245./	EPA 200.8	EPA 200.8	0 000 800	DEED 200.0
			Quantity																						
Ø	1		Notes																						
Laboratory Analysis		4	nTn	< 0.0500 mg/L	100	00	יי / הוווי החיים	< 0.02000 mg/L	< 0.01000 mg/L	T/ 0000 0	7/bm ecen.o	0.1340 mg/L	0 0138 mg/T.	L'Em Orion	< 0.0150 mg/L	< 0.0500 mg/L	1/11/000000		000	050		<pre>1/6m 0700 mg/T</pre>	200		
		D 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Lai alle Lei	Beryllium	Cyanide Total (HACH 10265	Phenolics		Ciromtam	Nickel	70200	יישלקט)	zinc	Arsenic		Setenium	Molybdenum	2;].ror		Cadmium	Mercury		Allemony	Thallium	Lead	
	Analysis	Time T		US/ 25 UZ33 JFT	0515	0200	1617		164/	1647	1 0	104/	1647	1617	140	1647	1647	1 1	164/	1200	1617	T 40 / FO	194/	0811	

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* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included,

Signature

Environmental Services Co., Inc.

Env. anmental Services Company, Inc.

Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341

Phone: 501-221-2565

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

	Client Information				Pr	niact Infr	Project Information				000	0 PO+2	4000000	
					1	Josef IIII	- Indian			1	מלחמי	L Dale	nequested ratameters	2 -
	North Little Rock WWU/Faulkr	WWU/Faulk	ner Lake	Permit/Project #:	ject #:									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	22140	Q						_	
	North Little Rock, AR 72117	AR 72117		Work Order #	# 16								_	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Brygn	C.oft				(s			
Fax:	501-945-2367					Kallo	Sohes	0			nent			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):	od x	Car				ıwo;			
ESC Client Number:	2456 Influent Quarterly	terly				100				_				
Sample Identification	lification		Sample (Sample Collection			Sample (Sample Containers		əbin) slon S) als	_		
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	# en		_			
FI-WTR-MCR-03-20220 & 010365	220 g 010365	8-11-22	2020	Grab	Wwater	Plastic	8 02	MaOH+Asc Acid	-	×				L
PLI WIR MCR-DS-20		x-11-x		Grab	Wwater	Glass	1 Liter v	CuSO4+H2SO4	-		×			
FIT WAR MCA 03 22		8-11-32	0115	Composite	Wwafer.	Plastic	8 oz *	FINO3	-		×			
													-	-
Palaching Der (Creents une merst Breefert Home				- 1										
MA Marian Marian	de Sons	8/16/27	1427	The Received by Signature	Accepted by: (Signature and Printed Name)	d Name)		N-16-27	Time	Custody Seals. Used?	/ Seals.	_	Intact?	Г
Relinciations By. (Signature and Printed Name) Mee To Many Meeting out the	Name)	Date (4/k)	Time /Syc/	Received By: (Sig	jnature and Printer	d Name)		Date	Time	Turmaround Regular	l L	_	Special	-
Relinquished By: (*ignature and Printed Name)	Name)	Date		Repaired for age	By: (Signatury and	Signature and Printed Name)	74	Sliles	Time	Were sa	samples pr	Were samples properly preserved:	served:	1
Cool all samples to < b degrees C with ice	s C with ice.				WOI O	Data	Field Test	~-{press	Analyst	Result	Result	-	l Inds	-
Comments: Be(4.HW), Ni(Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(1s(33.HW), Agi	(47.HW), Cd(48.HW)		Analyst:			П			П	1		
Cr(24 HW) Zr	Cr(24 HW) Zr(30 HW) Se/34 HW) Me/42 HW) Sh/61 HW) Of HG of MD	AMOLAS HIAN S	h/54 H/A/\ 00		I Ime:						+	1		
- U	Various Various V	A 1/ 141 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	_	Units:						+	+		
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Ch. J.		-					-			-			1	

End Time: 8-16-22 at 5725 (DW) Start Time: 8, 15-23 at 5715

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Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170

> Customer Name : NORTH LITTLE ROCK-FAULKNER INF Customer/Permit No. : 2456 / AR00020303 Control Number: 2210010407 Report Date : 11/07/22

-10/26/22 Sample Time : 0726-0730/0730(10/26 Sample From : FLI-WTR-MCR-Q4-22 : COMP/GRAB WWATER Composite Date:10/25/22 Sample Type

Delivery By : NTR Purchase Order : Work Order

Collected By: BRYAN CROFT/KAY

Quality Assurance	Accuracy	% Recovery	* 4.86	104.0 *	* 0.66	111.3 *	98.4 *	* 6.86	101.9 *	102.7 *	* 8.76	\$ 6.26	105.5 *	95.7 *	104.4 *	\$ 1.66	87.4 *	97.5 *
Quality A	Precision	% RPD	0.77	00.00	2.13	0.04	0.66	2.12	7.76	0.75	2.85	1.32	08.0	1.39	12.57	1.22	00.0	2.85
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 245.7	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
		Notes																
Laboratory Analysis		Result	< 0.0050 mg/L	< 0.0100 mg/L	0.06 mg/L	0.02617 mg/L		0.0163 mg/L		< 0.0100 mg/L	< 0.0100 mg/L	< 0.0100 mg/L	0.00852 mg/L	< 0.00400 mg/L	< 0.0050 mg/L	< 0.0200 mg/L	< 0.0100 mg/L	< 0.01000 mg/L
H		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	Date Time By	11/03 1736 JFT	11/02 0515 NTR	10/31 0430 NTR		1736	1736	1736	1736	1736	11/03 1736 JFT	1736	1736	11/07 0900 NTR	1736	-	11/03 1736 JFT

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Signature

Environmental Services Co.,

En mental Services Company, Inc.

Corporate Office rkham P.O. Box 55146 72211 Little Rock, AR 72215 13715 West Markham

Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341

Phone: 501-221-2565

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

S	Client Information				ď	oject Info	Project Information			m	edneste	Requested Parameters	meters
Client	North Little Rock WWU/Faulkn	WWU/Faulk	ner Lake	Permit/Project #:									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	202137	5.7						
	North Little Rock, AR	AR 72117		Work Order #	# TE								
Phone:	501-945-7186			Sampler Name(s):	lame(s):	holli	2000	3,			(s		
Fax;	501-945-2367					Buen		2000		_	ļuəu		_
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	11.11					umo;		
ESC Client Number:	2456 Influent Quarterly	terly				8	137			_	_		_
Sample Identification	tification		Sample	Sample Collection		0	Sample	Sample Containers) abir) alor 2) alı		
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	# eA	-	-		
FIT WIR MR CH-20	Z210010407	10/26 199	5210	Grab	Wwater	Plastic	8 oz "	MOH+Asc Acid	-	×			
III WAR ON 90	_	10/26/20	0730	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×		
FLT DIR MCR OH DO	4	014, 122	0780	Composite	Wwater	Plastic	8 oz /	HNO3	-		×		
											F	-	L
											F	-	
As Carlo and As Carlo Bank	Bruan Crep	10/26/20	9//	Kecewed By	Sylve and Printed	James Co	1	Date 1~2.6.72	Time	Custody Seals:	Seals:	Chaetal	
Relinguared By: (Signatury and Printed			Time	Received By: (Sig	Received By: (Signature and Printed Name)	1 Name)		Date	ime	Tumaround			
Refinquished By (Signature and Printed Name)	Name)	Date	Time	Received for Lab	Rv. (Simpature and	Printed Name		+		in Samai		obecial	
Jan 1	20/12 J	10.78.Dr	1520	Bee ann Reple Physin	Karc	Physon		15/32/01	15'd	were sam Yes	mples proper	Were samples properly preserved Yes No	
cool all samples to pro degleer	o with Ice.			>	Flow D	Uata	Field Test	Time A	Analyst	Result	Result	5 -	Units
Comments: Be(4.HW), Nii	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4 Тi(81.HW), Pb(82.HW), Ha (50.15)	s(33.HW), Ag	(47.HW), Cd(48.HW),	48.HW)	Analyst:						Ц	Ц	
Cr(24.HW), Z	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW), S	3b(51.HW), 0	(51.HW), 00.HG, 00.MD	Reading:						1	1	
					Units:								
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End look & Time: 10/26/20 at 0730am start 1) ote + Time: 10/05/11 at 0706 am

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Northwest Arkansas Branch 1107 Century Avenue Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Delivery By : J. ٦, Collected By: Work Order (479) 750-1170 -01/05/22 Tel. Sample From : FMI-WTR-MCR-Q1-22 Sample Type : COMP/GRAB WWATER Composite Date: 01/04/22 Sample Time : 0950-0950 Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 Control Number: 2201010445 Report Date : 01/17/22

BARRETT/B. BARRETT Furchase Order

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	I	Laboratory Analysis				Contract to the contract of th	
Analysis						Droginion	Saurance
Time By	Parameter	Result	Notes	Onantity	7 4 4 9	FICCISION .	Accuracy
01/11 0457 NTP	Beryllium	1 0	1.0	Xadicicy	Mechoo	W KPD	* Recovery
) (0000			EPA 200.8	0.11	* 50.0
0405	Cyanide Total (HACH 10265				SM 2011 4500-CN E	3.11	4 20
1230	Phenolics	0.08 mg/L			EPA 420.1		* 000
.1 0457 NTR	Chromium	< 0.02000 mg/L			ED2 200 0	,	7.00
0457	ר פאל היא	F/ **** 00000			0.00	77.0	* 2.76
1 6		7/6m 00070.0 >			EPA 200.8	0.01	* 6.26
OL/IL U45/ NIK	Copper	< 0.0200 mg/L			EPA 200.8	1.67	* 0 20
0457	Zinc	870			EPA 200.8	2 41	100
0457	Arsenic	100			正 D D D D D D D D D D D D D D D D D D D	1 6	n 0
0457	Selenium	150			0 000	0.20	× 7.00
0457	Molychologism	1			EFR 200.8	0.52	84.4 *
1 0	of 1	00 1			EPA 200.8	0.56	89.2 *
7040	STIVER				EPA 200.8	0.78	* 7 18
0457	Cadmium	000			EPA 200.8	6.0	, c
01/13 1400 NTR	Mercury	050			10 0 0 0 E	N (0.00
OT/11 0457 NITE	1 mon:	1 6			T.C. 7	0.32	* 00.00
) [] (File IIII				EPA 200.8	0.17	* 1.92
0457	mnillar	200			EPA 200.8	0.31	* 1.00
01/11 0457 NTR	Lead	0.10000 mg/L			EPA 200.8	0 12	* 4
						1	. 0

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental



Revised 4-14-99

Env nental Services Company, Inc. Corporate Office

13715 West Markham

West Markham P.O. Box 55146 lock, AR 72211 Little Rock, AR 72215 website: www.esclabs.com Little Rock, AR 72211

Phone: 501-221-2565

Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

							•							
	Client Information				Pro	ject Info	Project Information			IX.	edne	sted F	Requested Parameters	ဋ
Client:	North Little Rock WWU/Five M	WWU/Five N	file	Permit/Project #:	ject #:									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	212480	Q							
	North Little Rock, AR	AR 72117		Work Order #	# 15						-			
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jason Romett	Bouret				(S			
Fax:	501-945-2367					Bryon	はなり				nent			
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	.nre(s):	O	8	#			ımo(
ESC Client Number: 2	2448 Influent Quarterly	rly			1	Com	Cal.	,			-			
Sample Identification	ntification		Sample (Sample Collection		5	Sample	Sample Containers		əbir) alor 2) alı		_	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	ive #					
FMT WTR-MCR-61-22	22210101655	1/5/32	0950	Grab	Wwater	Plastic	8 oz	NaOH		×	-			
FMI WIR MCR CO 23		1/5/27	6956	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			
FME WITH MCR 01-32	4	1/5/27	0250	Composite	Wwater	Plastic	8 oz	HN03	-		×			
											-			
											-			
											-			
											Н			
Retinguished By: (Signature and Printed Name)	o Name)	Oak	o E	Received Bir 185	ording Bit (Singstyre and Oppled Name)	omen			-		_			
2	Jason Bonett	115/Ah	143D	Kinner	KINNER BUM	D D		1/5/22	- 20g	Used?	seals.		Intact?	-
Reinquished By: (Signature and Printed	d Name)	Dale	Time	Racaived By: (Sig	nature and Printed	Name)		Date	Time	Turnaround	12 1	١.		Τ,
Relindriched Box (Sinnel-de and Drinted Name)	Momos	100	1							Regular	1		Special	
March Dumm	(40)	1/5/22	1606		A Company of the Day (Signature and Printed Name)	Printed Name)	1) 5-22	Co Co	Were sa	samples p	Were samples properly preserved: Yes No	eserved: No	_
Cool all samples to < 6 degree	es C With Ice.				/ Flow Data	-	Field Test	Time	Analyst	Result	Result	-	Units	T
Comments: Be(4.HW), N	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(s(33.HW), Ag(47.HW), Cd(48.HW)	П	Analyst:						H			
NAME ACAS	C-23 HAA 75/30 HAA 55/31 HAA 45/42 HAA 55	SANCAS LIVER	L/E4 1840 00	_	me:	1		1						П
(AA: 1:47)	Zilovi 189), 06(04:1189),	0 (442.1747), O	UM.00 ,20.00 ,(WH.15)	_	reading: Units:						+	1		T
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Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch AR 72762 1107 Century Avenue Springdale, Tel.

Delivery By : J. Collected By: J. Work Order : FME-WTR-MCR-Q1-22 COMP/GRAB WWATER 01/05/22 : 1000 Sample Time Sample Type Sample From Sample Date EFF Customer Name : NORTH LITTLE ROCK-FIVE MILE Customer/Permit No. : 2447 / AR00020320 Control Number: 2201010443 Report Date: 01/21/22

Purchase Order :

U

BARRETT/B.

BARRETT

Quality Assurance	Accuracy	* Recovery	105.7	* 56.59	100.0 *	109.0 *	* 286	* 0.66	* 9.96	97.2 *	102.0 *	N/A	93.9 *	* 6.56	* 6.00	* 6.98	84.4 *	* 2.68	81.7 *	85.8	* 2.92	81.7 *	83.6 *
Quality 2	Precision	% RPD	1.58	3.11	5.70	5.43	2.05	0.00	2.06	0.21	3.39	21.51	0.01	1.67	6.00	0.23	0.52	0.56	0.56	0.12	0.17	0.31	0.12
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	02/2014 HACH 10242	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	SM 2011 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																					
		Notes																					
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	2.770 ng/L	11.9 mg/L	0.4490 mg/L	< 0.0150 mg/L	.005	< 20.00 ug/L	1.470 mg/L	1658.0 mg/L	< 20.00 ug/L		< 50.00 ug/L	< 10.00 ug/L	< 15.00 ug/L		< 120.0 ug/L	< 20.00 ug/L	< 10.00 ug/L	< 50.000 ug/L	21.90 ug/L
ı-I		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
•	Analysis	Date Time By	01/11 0457 NTR	01/07 0405 NTR	01/11 1131 ARA	1335	1045	1115		0457	1640	1430	0457	0457	0457	11 0457	11 0457		0457				01/11 0457 NTR

the same date. dio QA data shown is from a different sample or standard

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136, Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Services Co., Inc. Environmental

Environmental Services Company, Inc.

 Corporate Office
 Carlabad, New Mexico

 13715 West Markham
 575-867-7-ESC (372)

 Little Rock, Arkansas 72211
 Sprinddale, Arkansas

 501-221-2565 (p)
 479-750-1170

 501-221-1341 (f)
 www.esclabs.com

Ned Ryerson, Leboratory Manager



LABORATORY REPORT

Detection Limit	Result	Ī	etylenA
	/L or ppb)	ANALYTES OF INTEREST (µg	
01/21/25	Report Date:	-ME-WTR-MCR-Q1-22	Sample Identification
01/02/22	Receipt Date:	Srab Wastewater	Sample Type:
1000	Sample Time:	5201010443	Control Number:
04/06/22	Sample Date:	North Little Rock Five Mile Effluent	Client: 1
	1310	ITAL INGILWIGHT	

Chlorpyrifos 0.01

QUALITY ASSURANCE DATA

 Method:
 SW 8081B, Rev 2, 2007

 System Monitoring Compounds
 % Recovery

 Decachlorobiphenyl
 72.9%
 44.1-108

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Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:



Environmental Services Company, Inc.

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762	Tel. (479)750-1170 Fax (479)750-1172	Collected By: J. BARRETT/B. C
		Sample Date: 01/05/22
Corporate Office 13715 West Markham Little Rock, AR 72211	Tel. (501)221-2565 Fax (501)221-1341	ontrol Number: 2201010444

					7) TT 00 (0:1) 10:1	
Contra Custon Custon Report	Control Number: 220101 Customer Name : NORTH Customer/Permit No. : Report Date : 01/21/22	Control Number: 2201010444 Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Report Date : 01/21/22	Sample Date: 01/05/22 Sample Time: 1000 Sample Type: GRAB WWATER Sample From: EQUIPMENT BLANK	Collected Delivery By Work Order Purchase O:	By: J. Y : J. : rder :	BARRETT/B. C BARRETT
F		Laboratory	ry Analysis		Quality Assurance	ssurance
Date 01/11	Analysis Date Time By 01/11 1136 ARA	Parameter Res Mercury, low level < 0.	ult Notes Quantity 500 ng/L	Method EPA 1631E	Precision % RPD 5.70	Accuracy % Recovery 100.0 *
*	QA data shown is	from a different sample or	standard on the same date.			

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136.

Signature Environmental Service

Ravised 4-14-99

Ent mental Services Company, Inc.

Corporate Office

West Markham P.O. Box 55146 tock, AR 72211 Little Rock, AR 72215 website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

Phone: 501-221-2565

Fax: 501-221-1341



Carlsbad, New Mexico 575-887-1ESC

Springdale, Arkansas 479-750-1170

)	Client Information				Pro	oject Info	Project Information			ď	Requested	sted	Parameters	mete	Sign
Client:	North Little Rock WWU/Five Mile	/WU/Five N	lile	Permit/Project #:											
Address:	P.O. Box 17898			Purchase Order #:	Order #:	SILYSO	20					λjuo		(SS.)	
	North Little Rock, AR	IR 72117		Work Order #	#_							ıter		9 listo	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	JUNSON	Runett				(9	t dus		т ,(.:	
Fax:	501-945-2367					Bryan	Crost				nent	sr(O		.6)2(
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ure(s):	d				(ਰ.6€			(1)
ESC Client Number: 2447 Effluent Quarterly-1st	47 Effluent Quarterly	-1st			1	Bury	3					so,			2:01)
Sample Identification	ntification		Sample	Collection		0	Sample C	Sample Containers		abir stor	S) sli	inyqı	(72)	(16.C	cnu
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	#	_		СЫО		_	VIOLAI
FME-WITE-MUR-81-30 27010,0 443	3201040 443	1/5/34	1000	Grab	Wwater	Plastic	8 oz /	NaOH+Asc Acid	-	×					
I-ME-WIR-MCK-01-11		1/5/122	CCC	Grab	Wwater	Glass	1 Liter V	GusO4+H2sO4	+	_	×				
FME-479-MCK-01-21		1/5/24	0001	Composite	Wwater	Plastic	8 oz V	HNO3			×				
FME-WTR-MCR-02-02		1/5/22	0001	Grab	Wwater	Amb GI	1 Liter	None	-			×			
FME-WTR-MCK-03 -22		115/22	1000	Grab	Wwater	Plastic	8 oz v	None	-				×	-	
FME WITH MCR-031-23		115 122	1000	Grab	Wwater	Plastic	8 oz /	H2SO4	+					×	
FME-WIR -MCK-01-21	7	रप्त डा।	1000	Composite	Wwater	Amb GI	250 mlVHCI	HCI	F					×	L.
Equipment Blank	3201010 444	1/5/22	000	Grab	Wwater	Amb GI	250 mlt/ HCl	HCI	-	-				×	
										_					
Reingershed By: (Signature and Brinted Name)	Joseph Ronell	Date 1 /5 / 12	1430	Received By: (Sign	Received By: (Signature and Printed Name)	Name)		1-5-22 1430		Custody Seals: Used?	Seals:	_	Intact?	ļ٢	-
Rejinquished By: (Signature and Printed Name)	d Name)	Date	Time	Received By: (Sig	Received By: (Signature and Printed Name)	Name)		Date	Time	urnaround		⇃.		۱ إ	I
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Recognished By: (Signalun, and Printed Name)	d Name)	1/5/22	1606	Received for Lab B	Received for ab By: Signature and Printed	Printed (Tame)	1	1-5-22 1606	_	Vere sam	Were samples properly preserved Yes No	roperly	preserved No	L G G	
Cool all samples to < 6 degree	as C with ice.				Flow Da	Data	Field Test	Time Analyst	П	Result	Result	Ħ	ā	Units	
Comments:				直然指	Analyst:				П	Ш	Ц	П			
Re(4 DS) Ni(28 DS) Cu(20 DS) As/33 DS) As/47 DS/	C) Ac/33 DC) Ac/47 DC)		163		I Ime:				T		_	7			
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Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	2), Mo(42.PS), Sb(51.PS	S). 00.MD		犯犯	Chlorinated?	2	Fecal Start		T	i i	This Document is	- interest	0000		T
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(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501) 221-2565

: FMI-WTR-MCR-Q2-22 GRAB/COMP/WWATER 05/10/22 0920 Type Time Sample From Date Sample Sample Sample Customer Name: NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No.: 2448 / AR00020320 Control Number: 2205010330 Report Date : 06/21/22

Delivery By : MER Purchase Order: Work Order:

Collected By: KAYLA JONES

nality Accurance	Precision Acturact	di	1	+ + + + + + + + + + + + + + + + + + + +	32.3 ×	102.7	1,29 99.2 *	100.8 *						1.69 97 0 *		* 0 80 80 80 80				0.68 104.2 *	101.1 *
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		Method	EPA 200 8	SM 2011 4500_CM		EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8	FD2 200 8	0.00	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	RDA 245.1	EDA 200 8	0.000	EPA 200.8	EPA 200.8
		Ouantity																			
		Notes																			
Laboratory Analysis		Result	< 0.0500 mg/L													< 0.02000 mg/L					
	33	Parameter	Beryllium	Cyanide Total (HACH 10265	Dhonoling	FINE LOLL CO	Chromium	Nickel	Copper	Zinc	{ 	Arsenic	Selenium	Molybdenum	Silver	3 Cadmium	Mercury	Antimony	#114::#	וומדדדמווו	Lead
	Analysis	Date Time By		05/20 0405 NTR	0.500	AIN 0000 C1 /C0	05/23 0645 NIK	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR	OE/22 064E NUMB	AIN C400 C7/C0	0645 NT	0645 NT	0645 NT	05/23 0645 NTR	1330 AAC	05/23 0645 NTR	7770	7 1	35/23 0645 NTR

DA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature

Environmental Services Co., Inc.

Revised 4-14-99

En mental Services Company, Inc.

Corporate Office
West Markham P.O. Box 55146
Rock, AR 72211 Little Rock, AR 72215
website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

Phone: 501-221-2565

Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

	Client Information				Pro	piect Inf	Project Information			Ľ	200	10000	Podijesto Dožesti	
Client	North Little Rock WWU/Five Mile	WWU/Five I	Mile	Permit/Project #:	1						2		<u>a</u>	
Address:	P.O. Box 17898			Purchase Order #:	Order #:	Partie C	1	220807		_	_			
	North Little Rock, AR 72117	AR 72117		Work Order #	er #	a a	Л	1001		_		_	-	
Phone:	501-945-7186			Sampler Name(s):	Jame(s):	1001	17				(
Fax:	501-945-2367					,	N. Is	John			stna			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	NIN		101			шшс			
ESC Client Number: 2	2448 Influent Quarterly	rly		,		The state of the s	No.	1 0						
Sample Identification	ıtification		Sample	Collection		8	Sample	Sample Containers		_				
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	ive #	nsyc	hena Aetal			
FMIT-WITH MCR G2-23	220501033	5/46/23	06/30	Grab	Wwater	Plastic	8 02 V	NeOH	+	+	+	I	+	#
FMI-LTR-MCK-622-22	-	5/12/13	09180	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-	+-	×		+	
FMI-VTR-MCR-Q2-AX	Sholes	Silvering	0990	Composite	Wwater	Plastic	8 oz 🗸	HNO3	-		ľ	1	+	#
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Relinguished by: (Signature and Printed Name)	7	Date	Ima	Received By. Sig	Signature and Printed Name	Name)		Date	- Ime	Custody Spale:	. Seak:	1	-	
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grete hope mount	RANGA	5/1422	The	feet of	training and runted	Name)		Date C. Molns	اديثياها	Tumaround Requise	l L			
Relinquished By: (Signature and Printed	Name)	Date	Time	Received for Lab E	Received for Lab By: (Signature and Printed Name)	Printed Name		Date	Market J. P.	Ware sa	moles	Were samples properly proposed	opedal	
Cool all samples to < 5 degrees C with re-	S CWIT ICE	えった	0900	ABYRENA	10 00	LAPLE		7	8000	Yes	S	id final	No No	
Comments: Dold Little No.	WOOLAND COOK				. I	-	Field Test	Time A	Analyst	Result	Result	15	Units	1
	DE(4.71VV), NI(20, HVV), CU(29.HVV), AS(33.HVV), Ag(47.HVV), Cd(48.HVV) TI(81.HVV), Pb(82.HVV), Hd (50.15)	s(33.HW), Ag((47.HW), Cd(T	Analyst:						L	f		
Cr(24.HW), Z	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), 00.HG, 00.MD	Mo(42.HW), S	b(51.HW), 00		Reading:	T					Н	H		
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Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762

Tel. (479)750-1170 Fax (479)750-1172

Collected By: KAYLA JONES Delivery By: MER Purchase Order Work Order : FME-WTR-Q2-MCR-22 : GRAB/COMP/WWATER 05/10/22 0930 Time Sample Type From Date Sample Sample Sample EFF Customer Name : NORTH LITTLE ROCK-FIVE MILE Customer/Permit No. : 2447 / AR00020320 Control Number: 2205010398 Report Date : 06/16/22

Ouality Assurance	Accuracy	% Recovery	* 2.86	92.3 *		116.0 *	108.0 *	* 0.56	* 6.76	* 2.66	102.0 *	N/A *	100,8 *	102.2 *	106.1 *	101.5 *	102.5 *	* 0.76	* 93.6	* 6.86	* 0.86	104.2 *	101.1 *
Ouality	Precision	% RPD	1.44	16.67		2.99	1.50	12.72	13,33	0.29	5.15	11.45	0.69	1.10	2.27	0.93	0.77	1.69	0.82	0.08	0.40	0.68	0.62
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	02/2014 HACH 10242	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	SM 2011 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8
		Notes Ouantity																					
***	er.	Notes	i.																				
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	4.960 ng/L	12.3 mg/L	0.6160 mg/L	< 0.0150 mg/L	< 0.005 mg/L	< 20.00 ug/L	1.530 mg/L	108.0 mg/L	< 20.00 ug/L			< 10.00 ug/L		< 50.00 ug/L	< 120.0 ug/L	< 20.00 ug/L	< 10.00 ug/L	< 50.000 ug/L	34.91 ug/L
니		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
	Analysis	Date Time By	05/23 0645 NTR	05/20 0405 NTR	05/31 1359 ACZ	06/01 1040 AAC	06/15 1548 ACL	06/15 1555 ACL	05/13 0500 NTR	05/23 0645 NTR	1430	1457	0645	0645	0645	0645	0645	0645		05/23 0645 NTR	3 0645	3 0645	05/23 0645 NTR

data shown is from a different sample or standard on the same date. QA

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136 Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature Environmental Services

Inc.

8



Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

> Sample Date Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Control Number: 2205010329 Report Date : 06/09/22

Sample From : EQUIPMENT BLANK GRAB/WWATER : 05/10/22 Sample Time Sample Type

Quality Assurance Work Order : Purchase Order :

Precision

% RPD

Collected By: KAYLA JONES

Delivery By: MER

% Recovery Accuracy

Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 05/31 1413 ACZ Analysis

Method EPA 1631E Quantity

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality.

the start of the analytical batch in which the specific sample was included.

Signature

Services Co., Inc. Environmental

En mental Services Company, Inc.

Corporate Office 13715 West Markham P.O. Box 55146

Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

	Client Information													
	TOTAL MOUNTAIN				בֿ 	Project information	ormatio	u.		4	Requested	sted	Paran	Parameters
Client:	North Little Rock WWU/Five M	WWU/Five	Mile	Permit/Project #:	oject #:						-	_		
Address:	P.O. Box 17898			Purchase Order #:	Order #:	010	180	PLANCE CABBOIL		_	-			
	North Little Rock, AR 72117	AR 72117		Work Order #	er#			1000		_	-			
Phone:	501-945-7186			Sampler Name(s):	Jame(s):	Wo.11	7			_				
Fax:	501-945-2367					O	2 1	Cirel	_	_	(SZ)			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	11.1	180	10/0		_		_	(
ESC Client Number: 24	2447 Effluent Quarterly	ırly		,		N. C. C.	2	1		_			16.31	
Sample Identification	tification		Sample	Collection			Sample	Sample Containers		3) əpi	(181) (181)	9S) \$	19.) 19.(1	.) (
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	tive #	_	_		VO2(
FME-WIR-GA-Meria 2205500 39B 5/6/12	a receive 39B	5/16/20	0830	Grab	Wwater	Plastic	8 oz	₩.	+		+	-	+	1
FME WIR ONCE OR 20		5/16/22	0800	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×	L	\vdash	
-ME WIR MOR 02.22		5/10/20	C6840	Grab	Wwater	Plastic	8 oz v	H2SO4	-		×		+	-
FMF-4318-MCB-63-22		5/10/22	Offis	Grab	Wwater	Plastic	8 oz	Cool < 6° C	-		-		×	
FME WA MCR 03 00		5/10/20	0930	Composite	Wwater	Plastic	8 oz ×	HNO3 to pH	142		-	×	+	
EME-COTOR MCG-CO 20	+	5/10/22	08130	Composite	Wwater	Glass	250 ml	Cool s 6° C			\vdash		×	1
Equipment Blank	2205010329	5/0/03	06130	Grab	Wwater	Glass	250 ml V		-		+		×	1
														t
Religatified By: (Signature and Printed Name	Name)	Date	em	**************************************									-	
Und harlo	Johns	5/10/20	14	A A A	A A A A Signature and Printed Name	(aume)	beleated	S-10-7	Ime 14 ' 15	Custody Seals:	Seals:			
retimporation by: (Signature and Printed N		Date Or Mary	Zimiz "	Received By: (Sig	0	Name)	1	1_	C. T.	urnaround	- Pir	⇃,	#IIIBCT.	1
Relinquished By: (Signature and Printed Name)	Name)	3 // 4 L	M out	Secure wall	SPELL & WALL INCOLLER	MCOCIEN	4	2	THE	Regular	Ц		Special	
secure endikin apple	200	5-11-22	0900	PST CENT	Sy. (Signature and	e and Printed Name		5-11-2	1 8 S	Were sa	samples p	roperly p	Were samples properly preserved:	
sanifor of condums in too	C WILL ICE.				FIOW	ta	Field Test	_	Analyst	Result	Result	1	Units	
Comments.					Analyst:						L	T		
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS),	As(33.PS), Ag(47.PS),		 		Reading:	Ī					4			
Cd(48.PS), Ti(81.PS), Pb(82.PS),	,(S),				Units:						+	T		
. C.(24.PS), 2n(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	s). Mo(42.PS), Sb(51.P)	s), 00.MD	"	Trans.	Chlorinated?	Z >	Fecal Start:			This D	ocnme	int is F	This Document is Page { of 2	7



Environmental Services Company, Inc.

Little Rock, AR 72211 1)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501) 221-2565

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Sample Time : 0651-0945/0945(8/16) Sample Type : COMP/GRAB WWATER -08/16/22 Sample From : FMI-WTR-MCR-Q3-22 Composite Date: 08/15/22 Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 Control Number: 2208010369 Report Date : 09/13/22

Collected By: BRYAN CROFT/KAY Delivery By: MER Work Order: Purchase Order:

Accuracy & Recovery

Assurance

98.6 100.0

98.5 98.5

93.5 91.4 99.8 101.0 99.6 99.4

89.0

95.2 98.5 98.5

98.2

Quality As	Precision	1.50	11.76	8.00	0.20	3.62	4.01	1.62	0.71	2.31	0.23	0.12	1,63	15.90	0.10	0.33	0.22
	Method	EPA 200.8		EPA 420.1										EPA 245.7			EPA 200.8
	Notes Quantity																
Laboratory Analysis		< 0.0100 mg/L	1/0H 0010.0		1/5m 00000 /			T/DW /05:00		_				1/5m 0000 0 V	1/0% 0000 C V	1/5m 0050.0 >	7
	Parameter Reryllium	Cvanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead	
Analysis	Date Time By 08/25 0233 JFT	0515	0200	1647	1647	1647	1647	1647 JFT	1647 JFT	1647 JFT	647 JFT	647 JFT	200 AAC	647 JFT	647	811	

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136, where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Revised 4-14-99

Envil....nental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com

Phone: 501-221-2565

Fax: 501-221-1341 CHAIN

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

)	Client Information				Pro	oject Infa	Project Information				Segnes	sted P	Requested Parameters
Client:	North Little Rock WWU/Five Mile	WWU/Five №	Aile	Permit/Project #:							-		
Address:	P.O. Box 17898			Purchase Order #:	Order #:	221490	Q			_			
	North Little Rock, AR 72117	AR 72117		Work Order #	# 16					_		_	
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Kest	1	0 /40		_	(8	_	
Fax:	501-945-2367					Br. In	2 00	the take			queu		
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ture(s):	211	1			_	uwo		
ESC Client Number: 2	2448 Influent Quarterly	<u>~</u>				The state of the s	2			_	_		
Sample Identification	ıtification		Sample	Sample Collection			Sample Containers	ontainer) abi) alo		
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	tive #	_	_		
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FMI WIR WOR OS M	2208010369	8 11 20	5460	Composite	Wwater	Plastic	8 oz	HNO3	-		×		
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A Charles Worker	her Gener Robel free	9/10/22	01:5/		- 0				2	Regular	P	Sp	Special
Relinquished By. (Signature and Printed Name)	l Name)	Date	Time	Received for Lab By: (Signati	W.	e and Printed Name)	9	8/1/2	Sime	Were s:	samples pro	Were samples properly preserved:	Served:
pies	s C with ice,				V Flow Da	Data	Field Test	Time	Analyst	Result	Result	F	Chits
Comments: Be(4:14W), NI	Be(4:11W), NI(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW)	s(33.HW), Ag(47.HW), Cd(48.HW)	Analyst:						Т	+	
Cr(24 HW) 7	Cr24 HW) Zh(30 HW) Se/24 HW) Mc/42 HW) Sh/61 HW) O HC 50 MD	S WALL CAJON	NA1 LWO OC	_	ime:	1					H		
		2 ()		_	Units:						+	+	
					Chlorinated?	z	Fecal Start:			This	loc: imer	nt is Day	This Document is Page of 4
Start Time " 4-18-00 /4/12	1/4/21					7					2	8 1 2 1	Sold of the

Start Time: 8-15-20/0651 MV End Time: 8-16-32 at 0845

G:WP50:DOC/FORMSICHAIN.XLS

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501) 221-2565

(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel.

Sample Time : 0641-0950; 0950 Composite Date: 08/15/22 되고되 Customer Name : NORTH LITTLE ROCK-FIVE MILE Customer/Permit No. : 2447 / AR00020320 2208010367 Report Date : 09/23/22 Control Number:

Sample From : FME-WTR-MCR-Q3-22

Delivery By : MER •• Purchase Order Work Order:

BRYAN CROFT/KAY

Collected By:

-08/16/22

covery uracy

Onality Assurance	Post allow	Accuracy	* Recover	101.8		7.00	100.0	101	96		0.00	98.5	0 86	, ,	100	104.5	100.0) C	105.3	98.5	4 7 50	7 (0)	7 4.17	93.9	2 00	0.00	* 9°66	× 6.18
Onality	Droginion	TOTOTOTT	* KPD	2,69	11 76		0.41	0.34	1.02	0 71	- 0	0.12	1.40	2001	- (2.48	1.72			2.32	0.22			0.51	20 8	,	0.30	2.10
		14 (14 (14 (14 (14 (14 (14 (14 (14 (14 (Merinoa	EPA 200.8	SM 2011 4500-CN E	1000	EFA 1001E	HACH 10206	EPA 354.1	EPA 420.1			EPA 365.1	EPA 200.8			EPA 200.8	EDA 200 8			EPA 200.8			EPA 200.8	EPA 200.8		•	EPA 200.8
		Onantito	X-carred X																22									
		Notes	200																									
Laboratory Analysis		Besult	1/2000 01 /	0	< 0.0100 mg/L	2.720 ng/L		_	< 0.0150 mg/L	< 0.005 mg/L	< 20.00 ug/L			< 20.00 ug/L	3.93 ng/L		7/6n 67.c7	10.98 ug/L	1 15 00 32/1		•	< 10.0 ud/L		20.02	<pre>1/6n 00.01 ></pre>	T/ 20 000 12 /		7/5n no:01 >
		Parameter	Bervllium		Cyanide Total (HACH 10265	Mercury, low level	Nitrate Nitrogen	Market Ma	MICTICE NICLOGEN	Fhenolics, Low Range	Chromium	Dhoenhorns motes (20 D)	oras, torat las	NICKET	Copper	Dais		Arsenic	Selenium	Moltphooning	S. J.	SILVEr	Cachaine	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	ATIC TROUP	Thallium	700	7 20 7
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OA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applouality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Service's Co., Inc.

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel. Little Rock, AR 72211 11)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501) 221-2565

08/16/22 0920 Sample Date : Sample Time : Sample Type : Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Control Number: 2208010368

Collected By: BRYAN CROFT/KAY Delivery By: MER Work Order

Purchase Order:

Sample From : EQUIPMENT BLANK

GRAB WWATER

Customer/Permit No. : 2447 / AR00020320

Report Date: 09/23/22

Quantity Notes Laboratory Analysis 0.840 ng/L Result Mercury, low level Parameter Date Time By 08/31 0930 ACZ Analysis

Method EPA 1631E

* Recovery Accuracy

Quality Assurance

Precision

% RPD 0.41

100.0

* QA data shown is from a different sample or standard on the same date.

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Signature

Services Co., Inc. Environmental

Revised 4-14-99

Envil. rental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com . Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Albuquerque, New Mexico Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372 888-372-3477

0	Client Information				Pro	Project Information	ormation			R	edne	stec	Par	Requested Parameters	ers
Client:	North Little Rock WWU/Five Mile	WWU/Five N	Tile	Permit/Project #:	ject #:										
Address:	P.O. Box 17898			Purchase Order #:	Order #:	201490									
	North Little Rock, AR 72117	4R 72117		Work Order #	#								_		-v
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Kalla	Sones	35			('9'	_	7.00		16
Fax:	501-945-2367					BAIN	20 G	eft			Z)d I	_	(ZZ	_	-9
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	als 2		٠ /		(2		_	:) SC	(18	7
ESC Client Number: 24	2447 Effluent Quarterly	ırly				M	1 Fe	7		_		_	<u>i</u> Τ ,(5.91)	W.
Sample Identification	tification		Sample	Collection		0	Sample (Sample Containers		əbin	slon 81)8	S) SIE	.et)s	cns)	<u> </u>
Identification	ESC Control #	- Let Date	Time	Type	Matrix	Type	Volume	Preservative	# 9/	_	-		ON	Mer	ş
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FME-WTR-MCA-05-20 2208010 567	1155	8 11. 22	0350	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	1		×	_			
FME DIR MCR 0320	-	8 16 22	0950	Grab	Wwater	Plastic	8 oz *	H2SO4	1		×				<u>.v</u>
FME-L) IR MOR DS 22		8 16 20	0850	Grab	Wwater	Plasfic	8 oz <i>V</i>	V Cool ≤ 6° C	1		_		×		_
FME WIR MOR US 20		8-16-20	ORSO	Composite	Wwater	Plastic	8 02	HNO3 to pH <2	<2 1			×			
FME WIR MER-03-22	4	8-11-20	0950	Composite	Wwater	Glass	250 ml V	250 ml V Cool ≤ 6° C	+					×	
Equipment Blank	220folo\$68	8-1 -20	offn	Grab	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	1					×	
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Milliam Kote / Me	1 the wells long	8/10/20	15,10						DATE.	P gular	Ľ	Z	Special	L jei	Г
Relinquished By: (Signature and Printed Name)	(мате)	Date	Тіте	Received for Lab By:	0 1	Signature and Printed Name	Name) Name (F. L	8/19/2	Time 570		Yes No	proper	y prese	No de	lr
Cool all samples to < 6 degrees ∪ with ice.	s C with ide.			1	Flow D	Data	Field Test	Time A	Analyst	Result	Г	Result	L	Units	
Comments:				回然间	Analyst: Time:						H		Ц		
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS)	S, As(33.PS), Ag(47.PS)),			Reading:						+		L		
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Stort Time " S.IR	4.15.70 ct 0641	•											-		

Start lime: 8-15-212 at 0641

End Time: 9-16-22 at 0950

Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170rel.

Collected By: BRYAN CROFT/KAY Sample Time : 0715-0950/0950(10/26 -10/26/22 Sample From : FMI-WTR-MCR-Q4-22 Sample Type : COMP/GRAB WWATER Composite Date: 10/25/22 Customer Name : NORTH LITTLE ROCK-FIVE MILE INF Customer/Permit No. : 2448 / AR00020320 Control Number: 2210010406 Report Date : 11/07/22

Delivery By : NTR Purchase Order : Work Order

Ouality Assurance	Armentino A	9 D C C C C C C C C C C C C C C C C C C	TUNCONT &	4.52	104.0 *	* 0.66	* 6		76.4	* 6.86	* 6 LUL	1 0 0	. /. POT	* 8.76	* 6 66	4 U	: n : n : n : n : n : n : n : n : n : n	95.7 *	104.4 *	3 00	. T.CC	87.4 *	97.5 *	
Ouality	Precision	10 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	THE C	// 0	00.0	2,13	40 O	# \ > \	00.0	2.12	7.76		67.0	2.85	1.32	2 0		1.39	12.57	, ,	77.7	00.0	2.85	
		Method	FDA 200 B			EPA 420.1	EPA 200.8			EPA 200.8	EPA 200.8			EPA 200.8	EPA 200.8	RPA 200 8		•	EPA 245.7	EDA 200 8		EPA 200.8	EPA 200.8	
		Ouantity																						
		Notes																						
aboratory Analysis		Result	< 0.0050 mg/L			0.07 mg/L	0.02559 mg/L	0.00330 mg/L	1/ 20 00 0		0.0996 mg/L	< 0.0100 mg/L			< 0.0100 mg/L	0.00833 mg/L	< D 00400 mg/T.			< 0.0200 mg/L			< 0.01000 mg/L	
La		Parameter	Beryllium	Cvanide Total (Hack 10265	Thomas accommendation to the contract of the c	Filenolics	Chromium	Nickel	Conner	101	71nc	Arsenic	milia		Molybaenum	Silver	Cadmium		Mercury	Antimony	The 11 time	TIMETTHE	Lead	
	alysis	Date Time By	11/03 1736 JFT	11/02 0515 NTR		00 10 10	1736			0 (1/30	1736	1736	1 1	TT/ 03 T/30 OF.I.	1736		0000	000		1736	1 6	9	

QA data shown is from a different sample or standard on the same date.

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Signature

Co., Inc Services Environmental

En mental Services Company, Inc.

Corporate Office 13715 West Markham

P.O. Box 55146 Little Rock, AR 72215 Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

O	Client Information				P	oject Info	Project Information			1	ednes	ted P	Requested Parameters	\(\text{g} \)
Client:	North Little Rock WWU/Five M	WWU/Five №	file	Permit/Project #:	1					L			-	F
Address:	P.O. Box 17898			Purchase Order #:	Order#:	222187	87			_			_	
	North Little Rock, AR 72117	AR 72117		Work Order #	er#									
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Bren	Crop			_	(s		_	
Fax:	501-945-2367				•	Kall	14	Sour		_	nent			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	1/2	3				นเนอ			
ESC Client Number: 24	2448 Influent Quarterly	ırly			<u>`</u>	96							-	
Sample Identification	tification		Sample	Sample Collection		1	Sample C	Sample Containers					_	
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	# /e	Cyan	stelv	_	_	
EMI WIR MCR-04 22	2210010406	10/2/ 192	SPED	Grab	Wwater	Plastic	8 oz	NaOH	7	4			L	I
FMI WIR MACH 20	_	10/96/122	0980	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	5		×			
FMI WAROUM	1	10/2/122	-9EO	Composite	Wwater	Plastic	8 oz	HNO3	7		×			L
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Relinguished By Stavature and Printed Name	Name) ALL CASA	Date / 7/7/	15730	Received for Lab By: (\$	Received for Lab By: (Signature and Printed Name)	Printed Name	2	iOnete iOnete	Time	Were sam	Were samples properly preserved	perly pre	served:	T
Cool all samples (g < 6 degrees	s C with ice.				Flow Da	Data	Field Test	7	Analyst	Result	Recuit	-	NO Fluide	T
Comments: Be(4.HW), Nit	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4	,s(33.HW), Ag(47.HW), Cd(48.HW)	48.HW)	Analyst:			П				+		Τ
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start Date & Time : 10/25/122 at 0715 End took & Time: 10/ac/122 of 0950

G:WP50IDOCIFORMSICHAIN.XLS

Revised 4-14-99

Fax (501) 221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

> 2210010397 Control Number:

Purchase Order

Collected By: BRYAN CROFT/KAY Delivery By : NTR Work Order Composite Date:10/25/22 -10/26/22 Sample Time: 0700-1000/1000(10/26 : FME-WTR-MCR-Q4-22 Type : COMP/GRAB WWATER Sample From Sample Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Report Date : 11/15/22

	Lal	Laboratory Analysis				Ouality A	Ouality Assurance
Analysis .						Precision	Accuracy
Time By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
	Beryllium	< 5.00 ug/L			EPA 200.8	2.22	* 2.96
2 0515 NTR	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	0.00	104.0
1 1106 ACZ	Mercury, low level	3.040 ng/L			EPA 1631E	5.01	91.0
1 1130 DWC	Nitrate Nitrogen	8.5860 mg/L			HACH 10206	2.67	105.0 *
1030	Nitrite Nitrogen	140			EPA 354.1	4.11	108.0 *
0430	Phenolics, Low Range	< 0.005 mg/L			EPA 420.1	0.00	109.7 *
1736	Chromium	.11			EPA 200.8	0.04	111.3 *
0908	Phosphorus, Total (as P)	3.2800 mg/L			EPA 365.1	0.00	100.0 *
1736	Nickel	3.22 ug/L			EPA 200.8	0.66	* 4.86
	Copper	3.53 ug/L			EPA 200.8	2.07	* 6.86
1736	Zinc	24.96 ug/L			EPA 200.8	7.76	101.9 *
1736	Arsenic	< 10.00 ug/L			EPA 200.8	0.74	102.7 *
11/03 1736 JFT	Selenium	00.			EPA 200.8	3.42	107.5 *
.1/03 1736 JFT	Molybdenum	< 10.00 ug/L			EPA 200.8	1.34	\$ 6.26
1736	Silver	8.3 ug/L			EPA 200.8	1.31	104.1 *
1736	Cadmium	00.			EPA 200.8	1.39	95.7 *
1736	Antimony	00.			EPA 200.8	0.56	\$ 8.3
1736	Thallium	< 10.000 ug/L			EPA 200.8	3.11	93.5
11/03 1736 JFT	Lead	< 10.00 ug/L			EPA 200.8	2.85	97.5 *

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Inc. Environmental Services Company,

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel.

Fax (479)750-1172 (479)750-1170

> : EQUIPMENT BLANK : GRAB WWATER 10/26/22 1000 Sample Time Sample Type Sample From Sample Date Customer Name : NORTH LITTLE ROCK-FIVE MILE EFF Customer/Permit No. : 2447 / AR00020320 Control Number: 2210010398 Report Date : 11/15/22

Collected By: BRYAN CROFT/KAY Delivery By : NTR Purchase Order : Work Order

> Notes Laboratory Analysis 0.330 ng/L Result Mercury, low level Parameter Date Time By 11/11 1106 ACZ Analysis

EPA 1631E

Quantity

Method

% Recovery Accuracy

Quality Assurance

Precision

% RPD 5.01

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

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Revised 4-14-99

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website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

	Client Information				Pre	piect Info	Project Information			0	100	700			
Client	North Little Rock WWW VEING MI	WA/II/Eive	Milo	Dorimit/Dr.	1					-	neducated raidifferers	מ	0	<u> </u>	20
Address:	P.O. Box 17898		0	Purchase Order #:	oject #. Order #:	70000	7								
	North Little Rock, AR 72117	4R 72117		Work Order #	er#	AAR I									
Phone:	501-945-7186			Sampler Name(s):	Jame(s):	Bruss	Pull				(*)	(9			
Fax:	501-945-2367					Koll	ئرا	20%			P(25	staen			
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s);	ture(s):	de	2			(nmo			
ESC Client Number: 24	2447 Effluent Quarterly	ırly			,	11/12					-		_		
Sample Identification	tification		Sample	: Collection		0	Sample C	Containers					_	>6	
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preservative	#	Cyan	EON	ElaM	MOS	1	
EME WIR MCR CH 22	2210010397	10 1% /22 1000	000	Grab	Wwater	Plasfic	8 02	NaOH	Ž	×			\vdash	L	I
FME CTIP ME OF 20		1001/29 1000	1000	Grab	Wwater	Glass	. 1 Liter	CuSO4+H2SO4	7	×			\vdash	_	Γ
FME CUTP MCR CH 20		10/11/22 1000	000	Grab	Wwater	Plastic	8 oz	H2SO4	7		×	\vdash	-	_	
FME COTO MCR CH 22		10/06/20 1000	1000	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C	ξ			T	×		
FME WIR ME ON 22		10/26/1/20	900	Composite	Wwater	Plastic	8 02	HNO3 to pH <2	7			×			
EME-LIPPE MCR COU 22	1	10 Jall 22 1000	000	Composite	Wwafer	Glass	250 ml	Cool ≤ 6° C	5				×		
Equipment Blank	2210010398 10/2/22 1000	10/11/00	loco	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-	-			×		
										_		F	-	L	
										-		T	+		
Remitquished by: (Signature and Printed Name)	va Cal	10/24/22	0 <i>1)1</i>	Received By	AND NOTE TO A	7	0	bate 16.72.22	Time (Custody S Used?	Seals	1	Intacto		Γ
Returquished By: (Signature and Printes	Mame)	Date	Time	Received By: (Sig	(Signatus and Printed Name)	d Name) 0		Date	+	urnaround][Τ
Relinquished By (Signature and Printed Name)	(Name)	Date		Regeived for Lab	By: (Signature and	(Signature and Printed Name)		T	T	Mere sem		7	Special		
Cool all samples loss beggges	d Key-	10282	1520	Marco Home	AMON R.	Lever Jamen	K	1026W 15	2	Yes No		d Species	No		
201820 - 41 - 61 - 61 - 61 - 61 - 61 - 61 - 61	s c will lock				ڍ	Data	Field Test	Time Analyst	П	Result	Result		Units	ြွ	Γ
Comments:				回総置	Analyst:						Ц	H			П
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS);	3, As(33.PS), Ag(47.PS),				Reading				1			\dagger			T
Cd(48.PS), TI(81.PS), Pb(82.PS),	,(Sc				Units:				1			\dagger			T
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	S), 00.MD		0.550	Chlorinated?	Z >	Fecal Start		F	This Document is	cumen	It is P	Page	of,	T
stort Date + Time: 10/25/22 at orocam	10/25/22 at	0760am		200									12	4	1

End Oct + Time: 10/2/21 at 10000m

Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel. (479)750-1170

> Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2201010442 Report Date : 01/17/22

-01/05/22 Sample From : MMI-WTR-MCR-Q1-22 Type : COMP/GRAB WWATER Composite Date:01/04/22 Sample Time : 0850-0850 Sample

Delivery By : J. BARRETT Purchase Order : Work Order

Ü

Collected By: J. BARRETT/B/

* OA data shown is from a different sample or standard on the same date.

0.12

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where app. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature__

Environmental Services

Revised 4-14-99

En(mental Services Company, Inc. Corporate Office

West Markham P.O. Box 55146 tock, AR 72211 Little Rock, AR 72215 website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

Phone: 501-221-2565

Fax: 501-221-1341



Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1ESC

Ü	Client Information				Pro	ect Info	Project Information				edne	sted F	Requested Parameters	ters
Company Name:	North Little Rock WWU/Maumelle	VVVU/Maun	elle	Permit/Project #:										
Address:	P.O. Box 17898			Purchase Order #:	Order #:	CShcic						_		
	North Little Rock, AR	4R 72117		Work Order#	# Je									
Telephone:	501-945-7186			Sampler Name(s):	lame(s):	Lason Lason	Jason Bornett				(s			
FAX:	501-945-2367					Britan	The state of				ากอน			
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	ture(s):	C		*			ишо			
ESC Client Number: 37	3720 Influent Quarterly	пłу				Bury	2,7			_				
Sample Identification	ification		Sample	Collection	0	0	Sample	Sample Containers						
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	#	Cyar	Pheta			
MMT-WTR-MCR-00121	子からつられて	11/2/11	0820	Grab	Wwater	Plastic	8 02	NaOH+Asc Acid	-	×	_			
MMIT- WITH MCR-01-22		1/5/1	0820	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			
MMI WTO MCO @1 22	1	1/5/12	0850	Composite	Wwater	Plastic	8 02	HNO3	-		×			
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Reindushed By: (Signature and Printed Name)	Josep Burett	_	1430	Received By (St	Signature and Printed Name NULL NUM NOW	Name)		1-5-22 IL	1430	Custody Seals: Used?	Seals] _	Intact?	ŀг
Reling/Ished By: (Signature and Printed)	l L	Dale	Time	Received By: (Sig	eceived By: (Signature and Printed Name)	Name)		1	au.	Turnaround			Special	1
Reinduished By: (Signature and Printed Name)	Name)	Date - 5-7	Il Time	Received formap	Received for Lap By: (Signature and Printed Name)	Printed Name	1	Date Time		Were sa	Were samples properly preserved	operly pre	served:	1
Cool all samples to < 5 degrees C with ree	C WITH ICE		606	2	MOI T	Data	Field Test	Т	7	Result	Z	ŀ	ON S	\exists
Comments: Be(4.HW), Ni(Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4	s(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:	Ī		Т	Т		+	1		
	T(81.HW), Pb(82.HW), Hg (50.15)				Time:				T		ļ	t		
Cr(24.HW), Zr	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb	Mo(42.HW), S	b(51.HW), 0((51.HW), 00.HG, 00.MD	Reading:						H			
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Inc. Services Company, Environmental

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

: COMP/GRAB WWATER 01/05/22 : 0905 Time Type Sample From Date Sample ' Sample ' Sample Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Report Date : 01/21/22 Control Number: 2201010440

Purchase Order : Work Order

O

Collected By: J. BARRETT/B. Delivery By : J. BARRETT

: MME-WTR-MCR-Q1-22

Quality Assurance	no	* RPD * Recovery	1.58) i		10242 5.43 109.0 *	2.05 98.3 *	* 0.66 00.0	2.06				C 21.51 N/A *	0.01		. 0	6.00 82.9 *	0.23 86.9 *	0.52 84.4 *	* 0 88 95.0	1 CO 5 F		× 00.00	* 1.97	* 0.31
	()(1-1)		EPA 200.8	SM 2011 4500-CN	פרבאר מספ	THE TOTAL	02/2014 HACH	T.	EPA 354.1	EPA 420.1	RPA 200.8		.000	SM 2011 2540	EPA 200.8	EPA 200 8				EPA 200.8	EPA 200.8	EPA 200.8				EFA 200.8
Laboratory Analysis	Result Notes	1/201	0 .	< 0.0100 mg/L	0.656 ng/L			י ע ט כ	120	900	< 20.00 ug/L	1.980 mg/L	74.0) (00.	< 20.00 ug/L	105.32 ug/I	0		000	00.	< 120.0 ug/L	< 20.00 ug/L	< 10.00 ug/L		3
	Parameter	Bervllium	0.10 til til Ellin 1000 til 1000 til	Cyallide local (HACH 10265	Mercury, low level	Total Kieldahl Nitrogen	Nitrate Nitrogen	Nitrito Nitrogon	Thomas in a second	FIGURES, DOW Range	Chromium	Phosphorus, Total (as P)	Solids. Total Dissolved	Mi Abol	MICEGI	Copper	Zinc	Arsenic	Selenium	Molyholemim	מושווים בייבן ליפ	SILVEY	Cadmium	Antimony	Thallium	7 (
Analysis	Date Time By	01/11 0457 NTR	7000 70	CO#0 /0/	UI/11 1109 ARA	01/06 1335 EJD	01/07 1045 KSR		100		045/	01/13 1640 EJC	01/06 1430 EJD	0457	1 1	0457	01/11 0457 NTR	01/11 0457 NTR		0457		0457	. ,	01/11 0457 NTR	01/11 0457 NTR	-

QA data shown is from a different sample or standard on the same date,

where applicable for Quality Assurance purposes. equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.



Environmental Services Company, Inc.

Corporate Office
13715 West Markham
Little Rock, Arkansas 72211

501-221-2565 (p) 501-221-1341 (f) Carlsbad, New Mexico 575-887-7-ESC (372) Springdale, Arkansas

479-750-1170 www.esclabs.com

LABORATORY REPORT

Client:	North Little Rock Five Mile Effluent	Sample Date:	01/05/22
Control Number:	2201010440	Sample Time:	0905
Sample Type:	Grab Wastewater	Receipt Date:	01/05/22
Sample Identification	MME-WTR-MCR-Q1-22	Report Date:	01/05/22

Sample Type:	Grab Wastewater	Receipt Date:	01/05/22
Sample Identification	MME-WTR-MCR-Q1-22	Report Date:	01/21/22
		EREST (µg/L or ppb)	
Ana	alyte	Result	Detection Limit
Chlorpyrifos		ND	0.01
	QUALITY ASSU	JRANCE DATA	
Method: S'	W 8081B, Rev 2, 2007		
System Monitoring Com	pounds	% Recovery	% Recovery Limits
Decachlorobiphenyl		72.9%	
		12.970	44.1-108

Analysis Date: 01/12/22
Analysis Time: 1603
Analyst: ARA

Laboratory control samples were monitored for all analytes of interest.

Data Release authorized by:

Ned Ryerson, Laboratory Manager

(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Purchase Order : Work Order: Sample From : EQUIPMENT BLANK : GRAB WWATER : 01/05/22 Sample Date : 01/05 Sample Time : 0905 Sample Type Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF
Customer/Permit No. : 3719 / AR0020303 Control Number: 2201010441 Report Date : 01/21/22

Collected By: J. BARRETT/B. Delivery By : J. BARRETT

Ö

Quality Assurance Precision % RPD 5.70 Method EPA 1631E Quantity Notes Laboratory Analysis < 0.500 ng/L Result Mercury, low level Parameter Date Time By 01/11 1126 ARA Analysis

% Recovery 100.0 *

Accuracy

QA data shown is from a different sample or standard on the same date.

*

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Signature

Environmental Services

CHAIN OF CUSTODY

P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com: 501-221-2565 Fax: 501-221-1341

Phone: 501-221-2565

Er. nmental Services Company, Inc.

Corporate Office

13715 West Markham Little Rock, AR 72211

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

	Client Information				Pro	iect Info	Project Information							
Olient:	North Little Rock WWU/Maum	WWW.//Maur	allen	Dermit/Droject #-	1						pednesied		Farameters	eters
Address:	P.O. Box 17898			Purchase Order #:	Jrder#:	Albuon	8			_		Λįι	('9	
	North Little Rock, AR 72117	AR 72117		Work Order #	#	8	200					(et or	2)d le	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jecon	Jacob Rugat					hsup	ijοT ,(
Fax:	501-945-2367			_		Boyco Conti	the state			_	(stn9	tst((.19)8	
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s)	ure(s):	C	2 #			_	_	O4.€	ON+	(
ESC Client Number: 3719 Effluent Quarterly-1st	19 Effluent Quarterl	y-1st		,		Barre	The Care			_		6) s	ZON	16.3
Sample Identification	tification		Sample	Collection		0	Sample	Sample Containers		2) ebi S) elo	eS) s	_		ı) fun
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	iive #	_		-	LDS (Merc
MAR-WTR-MCR-0122	0 ++1 01010EE	1/5/12	2090	Grab	Wwater	Plastic	8 oz <	NaOH+Asc Acid	\vdash	1	-	+	-	
MME-WTR-MCG-01-22		1/5/12	offes	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	,~	\vdash	×			
MME-WIR-MUR-121-22		1/5/22	S080	Composite	Wwater	Plastic	8 02	HNO3	-		×		-	
MME-WTR-MCR-812)		1/5/122	SOFO	Grab	Wwater	Amb G!	1 Liter None	None	-			×	L	
MME-WIR-MUR-GI-ZA		115/22	0400	Grab	Wwater	Plastic	8 oz V	V	-			×		+
MME-WTR-MCR 131-27		11/2/12	Och	Grab	Wwater	Plastic	8 oz v	H2SO4	-			-	×	+
MME-WIR-MUR-134-33	7	1/5/27	0905	Composite	Wwater	Amb GI	250 ml V/HCI	豆	+-			t		×
Equipment Blank	1 120,000	115 /22	0905	Grab	Wwater	Amb GI	250 mli/HCI	HCI	-					(×
Relination Dev. Complete and Bridge	1											\vdash		+
Reinformed by Signature and Printed Name)	ases Bereit	1/5/A)	1430	REGIVED BY: ISIGN	Sectived By: (Signature and Printed Name)	Мате)		1/5/22	1430	Custody Seals: Used?	Seals		intact?	16
Control of the state of the sta	Name)	Dake	Ime	Received By: (Sign	Received By: (Signature and Printed Name)	Name)		Date	Time	Tumaround	P .			1
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Cool all sarribles to & Georges Contribution	C with ICe	1/5/22	2001	Leghi		60	10	1 5-22	Time 160 &	Were sam Yes	Were samples properly preserved: Yes No	perly pre	served: No	Г
	So wall loc.				0Flow Data	a	Field Test	Time	Analyst	Result	Result	Ŀ	Units	ł
Ti(81.PS), ivi(28.PS), Ti(81.PS), Ti(81.PS)	De(4.P.S), IN(28.P.S), CU(29.PS), AS(33.PS), Ag(47.P TI(81.PS), Pb(82.PS).	33.PS), Ag(47	.PS), Cd(48.PS)		Analyst:							\vdash		
Cr(24.PS), Zn	Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51	o(42.PS), Sb(5	1.PS), 00.MD		Reading:							+		
					Units:						1	+		
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Revised 04-15-2019

Northwest Arkansas Branch Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501) 221-2565

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 1107 Century Avenue

Collected By: KAYLA JONES Delivery By : MER Work Order Sample From : MMI-WTR-MCR-Q2-22 GRAB/COMP/WWATER 05/10/22 0805 Type: Date: Sample Time Sample Type Sample Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2205010334 Report Date : 05/26/22

Purchase Order :

Quality Assurance	ion Accuracy	9/0	4 58.7 *	7 92.3 *	102.7 *	* 2.66							٠		* 0.67 0			
Qual	Precision	& RPD	1.4	16.6	6.9	0.2	0.6	-	2.2	6.0	0.7	1.69	0.7	0.0	0.0	0.4	0.68	0.62
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 420.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 245.1	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
		Notes	023															
Laboratory Analysis		Result	< 0.0500 mg/L	< 0.0100 mg/L	0.07 mg/L	< 0.02000 mg/L	< 0.02000 mg/L	0.0383 mg/L	0.0966 mg/L	< 0.0100 mg/L	< 0.0150 mg/L	< 0.0500 mg/L	< 0.12000 mg/L	< 20.00000 mg/L	< 0.0050 mg/L	< 0.0100 mg/L	< 0.0500 mg/L	0.03558 mg/L
		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	Date Time By	0645	0405	0200		0645	0645	0645	0645	0645	0645	0645	0645	05/19 1330 AAC		0645	

* QA data shown is from a different sample or standard on the same date.

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136

Environmental Signature

P.O. Box 55146 Little Rock, AR 72215 Env mental Services Company, Inc. Corporate Office 13715 West Markham

Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

O	Client Information				Pro	ject Info	Project Information			N.	sanse	ted F	Requested Parameters	efers
Company Name:	North Little Rock WWU/Maumelle	WWU/Maun	helle	Permit/Project #:	ject #:						L		-	
Address:	P.O. Box 17898			Purchase Order #:	Order #:	31x480		220847						
	North Little Rock, AR 72117	4R 72117		Work Order #	# 16		1 .							_
Telephone:	501-945-7186			Sampler Name(s):	ame(s):	1/0/	١٩	Sp.		-	(s			
FAX:	501-945-2367					Br	Han	Conty			າກອແ			
Contact	Ms. Marybeth Eggleston	eston		and Signature(s):	nre(s):	11/11/11		١			ıwo			
ESC Client Number: 37	3720 Influent Quarterly	rly				22	Las Las	6		_				
Sample Identification	ification		Sample	Sample Collection		0	Sample C	Sample Containers		əbin slon	S) sle			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	_				
MME-WIR ACK-02-12	2205010334	5/10/22	0805	Grab	Wwater	Plastic	8 oz 🗸	NaOH+Asc Acid	-	×				
MME-VIR-MCRG2-22	-	5/10/22 colos	0000	Grab	Wwater	Glass	1 Liter	CuSO4+HZSD4	-	×	J			
MME-WIR-MCR-02-22		5/10/22 0505	ග්රව	Composite	Wwater	Plastic	8 oz	HNO3	-		×			
													-	
										-				
religguished by. (Signature and Printed Name	Kall Sir	5/10/2x	- ITTO	Received By: (Sig	Received By: (Signature and Printed Name)	_	1. A. L. J	() () () () () ()	T L	Custody Seals: Used?	Seals:		Intact?	lг
a D		Date	(A) : 71	Received By: (Sig	15	i Name)		4_	Т	umaround] e		ľ	1
Jacks Jucos / M.	Morever glade	1/0//3	10-10	more	Thefred In	motions furtherly	نام المح	75 14		Regular		0,5	Special	П
Secure to all kind to the solution of the solu	Name)	5-11-22.	e Cobo	Received for Lab B	× ×	Printed Name	•	SAY22 ENGE		Vere sam Yes	Were samples properly preserved: Yes No	perty pr	eserved: No	Γ
Cool all samples to < 6 degrees	C WITH ICE.				FIOW	Data	Field Test	- Company	Γ	Result	Result	L	Units	1
Comments: Be(4.HW), Ni(Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4 Ti(81.HW), Pb(82.HW), Hg (50.15)	s(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:				П		Ц	H		
Cr(24.HW), Zr	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(Mo(42.HW), S		51.HW), 00.HG, 00.MD	Reading:				T		ļ	t		
					Units:				П			Н		
					Chlorinated?	z >	Fecal Start:			This Do	cumer	nt is P	This Document is Page of of	9



Revised 4-14-89

(479)750-1170Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue

Collected By: KAYLA JONES Delivery By : MER Purchase Order : Work Order Sample From : MMB-WTR-MCR-Q2-22 : GRAB/COMP/WWATER Sample Date : 05/10/22 : 0815 Sample Time Sample Type Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2205010332 Report Date: 06/16/22

	I	Laboratory Analysis				Ouality Assurance	ssurance
						Precision	Accuracy
1	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
NTR	Beryllium	< 50.00 ug/L			EPA 200.8	1.44	* 1.86
NTR	Cyanide Total (HACH 10265	< 0.0100 mg/L			SM 2011 4500-CN E	16.67	92.3 *
ACZ	Mercury, low level	2.110 ng/L		-	EPA 1631E		
AAC	Total Kjeldahl Nitrogen	22.2 mg/L			02/2014 HACH 10242	2.99	116.0 *
ACL	Nitrate Nitrogen	0.4300 mg/L			HACH 10206	1.50	108.0 *
ACL	Nitrite Nitrogen	< 0.0150 mg/L			EPA 354.1	12.72	* 0.56
NTR	Phenolics, Low Range	< 0.005 mg/L			EPA 420.1	13,33	97.9
NTR	Chromium	< 20.00 ug/L			EPA 200.8	0.29	* 66
ACL	Phosphorus, Total (as P)	2.240 mg/L			EPA 365.1	5,15	102.0 *
AAC	Solids, Total Dissolved	178.0 mg/L			SM 2011 2540 C	11.45	* \\N
NTR	Nickel	< 20.00 ug/L			EPA 200.8	0.69	100,8 *
NTR	Copper	< 20.00 ug/L			EPA 200.8	1.10	102.2 *
NTR	Zinc	< 50.00 ug/L			EPA 200.8	2.27	106.1 *
NTR	Arsenic	< 10.00 ug/L			EPA 200.8	0.93	101.5 *
NTR	Selenium	< 15.00 ug/L			EPA 200.8	0.77	102.5 *
NTR	Molybdenum	< 50.00 ug/L			EPA 200.8	1.69	* 0.76
NTR	Silver	< 120.0 ug/L			EPA 200.8	0.82	93.6 *
NTR	Cadmium	< 20.00 ug/L			EPA 200.8	0.08	* 6.86
NTR	Antimony	< 10.00 ug/L			EPA 200.8	0.40	98.0
NTR	Thallium	< 50.000 ug/L			EPA 200.8	0.68	104.2 *
NTR	Lead	35.15 ug/L			EPA 200.8	0.62	101.1 *

^{*} QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136, where applicable for Quality Assurance purposes. Apalysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.



Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Little Rock, AR 72211 (501)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office

Collected By: KAYLA JONES Delivery By : MER Work Order

Purchase Order:

Sample From : EQUIPMENT BLANK

: GRAB/WWATER

: 05/10/22

Date

Sample Sample Sample

0815

Time Type

> Parameter Jate Time By 35/31 1423 ACZ Analysis

Mercury, low level

Sustomer Name : NORTH LITTLE ROCK-MAUMELLE EFF Sustomer/Permit No. : 3719 / AR0020303

Report Date : 06/09/22

Control Number: 2205010333

Notes 0.540 ng/L Result

Laboratory Analysis

Method EPA 1631E

Quantity

% Recovery Accuracy

Quality Assurance

Precision

% RPD

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co

Revised 04-15-2019

En/ mental Services Company, Inc.

Corporate Office 13715 West Markham P.O. Box 55146

13715 West Markham P.O. Box 55146 Little Rock, AR 72211 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

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Ű	Client Information			L	۵	oloce la								
Company Name:	Morth Little Doot	100011184			-1	300	r oject initimation			<u></u>	edne	sted	Requested Parameters	Con Con
	TOTAL PILLE ROCK WWW/Maum	www./mar	melle	Permit/Project #:	oject #:						F		-	I
Address:	P.O. Box 17898			Purchase	Purchase Order #	J. C. C.	Ain or woil Cit	418		T	_			
	North Little Rock, AR 72117	AR 72117		Work Order #	# Ter # Ter	8	Sep.	25.50		T				
Telephone:	501-945-7186			Sampler Name(s):	Name/e).	11.11	3			Т				_
FAX:	501-945-2367				raing(s).	DOM!	8	Sones A				(s)u		_
Contact:	Ms. Marybeth Eggleston	leston		and Signatura/e):	of pro/o.	4/4	N	130		_	('92')	າອພເ		
ESC Client Number: 37-	3719 Effluent Quarterly	erty		200	ature(s).			1			(2. S P(Con	(16	
Sample Identification	fication		Sample	Collection		N. Comments		1		e (6.		_), (16.	-
Identification	ESC Control #	450					Sample	ontainers		_	-	-		_
_		\neg	-	lype	Matrix	Type	Volume	Preservative	itive #	_		_	NOS	
+	4205010332	-	08(5	Grab	Wwater	Plastic	8 02	NaOH	-	×				T
Mrs. WIR MCR-02-RA		3/10/22	CAIS	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-	-	×	\dagger		T
ME WIR MCR-62-22		5/10/23	000	Grab	Wwater	Plastic	8 02	H2SO4	7		1	\dagger	-	T
MME WITH MCK GLA 32		5/10/32	68/169	Grab	Wwater	Plastic	8 07	Cool < 6° C	t	†	<	+	1	T
MME-WITH-MCR 13232		5/10/23	6416	Composite	Warster	1300	3		+	1	1	+	×	Т
MME-WTR-MUD AD 2)	4	11/2/2			1	Liastic	2000	ZHNO3 to pH <2	2			×		
+-	00000000	11018B		Composite	Wwater	Glass	250 ml ~	250 ml √Cool ≤ 6° C	1				×	Γ
T	6660/00022	2/10/24	GYIS	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	+			\vdash	×	T
											L	+		T
Reunquished By: (Signature and Printed Name)	sige) /	ota									1	+		T
1111/1	10 Jones	5/1/22	<u>7</u>	Received By: (Sig	n.	Name)	Т	Date	Tune	Custody Seals:	eals:	+		Т
,		Date	1-	Received By: (Signature and	-10-	finited Name)	1	2/0/18	य	Used?		Ξ	Intact?	
Relinquished By: (Signature and Printed Name)	Murchae Lywydaul	5/10/22	1173	mato for	helom/m	Me Cent her Speed	1	2/0/5	8	rumaround Requiar		ŭ	I L	
Scare walk in	Coole	5-11-22	0000	RECEIVED for tab By: (Si	grafur G	Printed Name)		-	Time	Were samples properly preserved	ples prop	perly pres	evial erved:	T
Commanie: Bo/4 po: Nicoo					P	H	Field Test	-		Yes		l	No	_
	De(4,FS), NI(28,FS), Cu(29,FS), As(33,PS), Ag(47,PS), Cd(48,PS)	33.PS), Ag(47	.PS), Cd(48.P	S)	Analyst:			7	\neg	Mesuli	inean Heson	+	Units	Т
Cr(24.PS), Zn(30	Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS) Sh/51 PS) On MD	(42 PS) Shir	1 DS OO MO		ime:							+		T
			, O. 191		Reading: Units:	\dagger					Ц	H		П
						F.	Fecal Start:			This Do	\$ comit		•	_
												IS ra	THIS COCUMENT IS Page 1 OF 1	



(501) 221-2565 Fax (501) 221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue Tel.

Collected By: BRYAN CROFT/KAY Delivery By : MER Work Order -08/16/22 Sample Type : GRAB/COMP WWATER Sample From : MMI-WTR-MCR-Q3-22 Sample Time : 0700-0825; 0825 Composite Date: 08/15/22 Sample Type Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2208010373 Report Date: 09/12/22

Purchase Order:

Ouality Assurance	Accuracy	& Recovery	4 6 86	106.2 *	* 0 20	* 4.00	* 000	* 9 80	100.0	*	* 000	*	* 4.10	* «	* 000	101.0	* 9.66	* 4.66
Ouality	Precision	# RPD	1.50	11.76	8.00	0.20	3.62	4.01	1.62	0.71	2.31	0.23	0.12	1 63	15.90	0.10	0.33	0.22
		Method	EPA 200.8	SM 2011 4500-CN E	•	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 245.7	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																
		Notes																
Laboratory Analysis		Result	< 0.0100 mg/L	0.0220 mg/L	0.12 mg/L	< 0.02000 mg/L	0.01848 mg/L	0.0738 mg/L	0.2946 mg/L	0.0148 mg/L	< 0.0150 mg/L	< 0.0500 mg/L	< 0.01000 mg/L	< 0.05000 mg/L		< 0.0200 mg/L	200	< 0.05000 mg/L
		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	Date Time By	0233	0515	0200	1647	1647	1647	1647	1647	1647 JFT	1647 JFT	1647 JFT	1647 JFT	08/18 1200 AAC	1647	1647	0811

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Co., Inc. Signature Environmental Services

Revised 4-14-99

This Document is Page of

Fecal Start:

Chlorinated? Y N

Little Rock, AR 72215 Ent. , imental Services Company, Inc. P.O. Box 55146 website: www.esclabs.com Corporate Office Little Rock, AR 72211 13715 West Markham

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

Phone: 501-221-2565	Fax: 501-221-1341		당	AINO	CHAIN OF CUSTODY	STO	≿						
	Client Information				Pro	oject Info	Project Information			Re	queste	Requested Parameters	irs
Company Name:	North Little Rock WWU/Maum	WWU/Maum	elle	Permit/Project #:	ject #:								
Address:	P.O. Box 17898			Purchase Order #:	Order #:	201490	G			_			
	North Little Rock, AR 72117	AR 72117		Work Order #	# 16					_		_	
Telephone:	501-945-7186			Sampler Name(s):	lame(s):	3 16 n	١	+400			(s)	_	
FAX:	501-945-2367					Marth.	Long	S			uəu		
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	Brok	Cal				moC		
ESC Client Number:	3720 Influent Quarterly	erty				69	> <				999		_
Sample Id	Sample Identification		Sample	Sample Collection		Dia	Sample C	Sample Containers		abin alon	2) sis		
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	tive #		ijəM		
MMI-DIE-MCA-03-20 2268 610 373	22 22 8768 610 323	8-16-22	3780	Grab	Wwater	Plastic	8 oz 🗸	NaOH+Asc Acid	-	×			
MMI WIR MCR-03 22	1 20	8 K 20	0828	Grab	Wwater	Glass	1 Liter	CusO4+H2SO4	1	×			
MMI WIR MOR COS 22	22		6825	Composite	Wwater	Plastic	8 02	HNO3	1		×		
										1	1		
									-	1	1		
										+			
										\pm			
Rehydyshed By: (Signature and Printed Name	in(ed Name)	Date	Time	Received By: (Sig	Received By: (Stonature and Printed Name)	Name		92	561	Castody Spale	- Jan		1
/ della	Pollo Jones	8/1/22	1427	1. 15 Last h	The relate to the This can be	CLAN KANA	7	8-15-42	14327	Used?		Intact?	_
Religioustical By Signature and Pri	and Printed Name)	Date g/v/2	Time (\$'Ia	Received By: (Sig	gnature and Printe	д Магле)		Date	Тіте	Turnaround Regular	٦	Special	
Refinquished By: (Signature, and Printed Name)	Inted Name)	Date	Time	Reoffed for Lap	Received for Lab By: (Signalure and Brinled Name)	Shrinted Name	Z	Stiche	Time (\$70	Were sam	ples prope	Were samples properly preserved: Yes	T
Cool all samples to < 6 degrees C with ice.	rees C with ice.				Flow D	Data	Field Test	Time	Analyst	Result	Result	Units	Ī
Comments: Be(4.HW)	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4s(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:								
MH L8)II), Pb(82.HW), Hg (50.15)				Ime:	1							П
Cr(24.mv	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), 00.HG, 00.MD	Mo(42.HW), S	b(51.HW), 00	.HG, 00.MD	Reading:								T
					Units:								

Start Time: 8-10-22/5700

End Time: 4-16-20 at a 835

G:\WP50\DOC\FORMS\CHAIN.XLS

Little Rock, AR 72211 1)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479) 750-1170 Tel.

> Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2208010371 Report Date : 09/23/22

-08/16/22 Sample Type : GRAB/COMP WWATER Sample Time : 0705-0815; 0815 Composite Date: 08/15/22

Delivery By: MER Purchase Order: Work Order

BRYAN CROFT/KAY

Collected By: Sample From : MME-WTR-MCR-Q3-22

Laboratory Analysis

& Recovery Accuracy 100.0 7.96 101.8 98.5 106.2 103.0 0.101 100.0 104.5 105.3 98.5 93.5 108.1 91.4 93.9 88.6 9.66 Quality Assurance Precision & RPD 2.69 11.76 0.41 0.34 0.19 1.88 2.48 1.28 9.71 0.54 2.32 0.22 0.51 3.03 0.30 2.10 0.11 EPA 200.8 SM 2011 4500-CN Method HACH 10206 200.8 200.8 200.8 200.8 200.8 200.8 200.8 EPA 1631E 200.8 EPA 354.1 200.8 365.1 200.8 EPA 420.1 200.8 EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA Quantity Notes ng/L mg/L ng/L mg/L ng/I mg/L mg/L mg/L ng/I ng/I ng/L ng/L ng/E ng/L ng/L ng/L ng/L ng/I < 10.00 < 0.0100 0.540 0.8400 0.0150 990.0 < 20.00 2.150 20.00 10.29 1.71 55.40 < 15.00 < 50.00 < 10.0 < 20.00 < 10.00 < 20.000 < 10.00 Cyanide Total (HACH 10265 Phosphorus, Total (as P) Phenolics, Low Range Mercury, low level Parameter Nitrate Nitrogen Nitrite Nitrogen Molybdenum Beryllium Chromium Thallium Selenium Antimony Cadmium Arsenic Copper Silver Nickel Zinc Lead ACZ NTR NTR NTR NTR ACL JFT JFT JFT JFT JFT JFT JFT UFT JFT JFTAnalysis 0430 0500 Time 0515 0935 0455 515 618 0233 647 647 647 609 647 705 647 Date 08/25 09/07 08/25 08/31 08/23 38/25 08/19 38/25 08/18 08/18 08/19 08/25 8/23 38/23 38/25 8/25 18/23

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily, All NPDES testing is conducted in accordance with 40 CFR Part 136, Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included

Signature

Services Co., Inc. Environmental

Northwest Arkansas Branch (479)750-1170 Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501) 221-2565

Springdale, AR 72762)750-1170 Fax (479)750-1172 1107 Century Avenue

Sample From : EQUIPMENT BLANK Sample Type : GRAB WWATER Sample Time Sample Date Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2208010372 Report Date : 09/23/22

08/16/22

0815

Delivery By : MER Work Order : Purchase Order :

Collected By: BRYAN CROFT/KAY

Mercury, low level Parameter Date Time By 08/11 0940 ACZ Analysis

Result 0.310 ng/L

Laboratory Analysis

Quantity Notes

Method EPA 1631E

& Recovery Accuracy 100.0

Ouality Assurance

Precision

& RPD 0.41

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where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Revised 04-15-2019

Env. ,mental Services Company, Inc.

Corporate Office 13715 West Markham

Little Rock, AR 72215 P.O. Box 55146 Little Rock, AR 72211

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341



Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

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	Client Information				P.	Project Information	nation		2	Palibet	Day Day	Redilected Daramotore	[,
Company Name:	North Little Rock WWU/Maumelle	WWU/Maume	e e	Permit/Project #:	1				+		-		0
Address:	P.O. Box 17898			Purchase Order #:	Order#:	76p100			T				
	North Little Rock, AR	AR 72117		Work Order #	# 1%	7			T				
Telephone:	501-945-7186			Sampler Name(s):	ame(s):	3	6.00		Т		-		
FAX:	501-945-2367			•		1	1		T		_	un'	
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):	82.			Т	9Z)d	_	(
ESC Client Number: 37	3719 Effluent Quarterly	ırly)		100 h	125			leto			
Sample Identification	tification		Sample Collection	Collection		Sal	Sample Containers	iners	g) əbir	T.(.81	92) sl	L)(in	
Identification	ESC Control #	- Patere	Time	Type	Matrix	Type Vc	Volume Pre	Preservative		103(-		
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MME-WIR-MIR-08-11 220 801 0571	2208010371	8 16 20 0	5130	Grab	Wwater	Glass 1	1 Liter Vouso4+H2SO4	H2SO4	\vdash	×	-	-	Γ
MME WAR MER 052		8-16-220	20,75	Grab	Wwafer	Plastic 8	8 oz V H2SO4	4	-	×	-	×	Γ
MME WER MCA 63 20		8-16-20	0815	Grab	Wwater	Plastic 8	8 oz Cool ≤ 6° C	2 % 5	-		×	-	
MME WIR MCR-OB DO		8 11 220	2815	Composite	Wwater	Plastic 8	8 oz HNO3	HNO3 to pH <2	-		×		
MME WIR MCB DS-20		8/11 20 OX 15	X 55	Composite	Wwater	Glass 25	250 ml Cool ≤ 6°	ر د د د د	-			×	
Equipment Blank	2208010 372 8-16	8-16-20-XID	3	Grab	Wwater	Glass 25	250 ml Cool ≤ 6°	2 .9 3	-			×	
Reprodushed By. (Signature and Printed Nami	Name	o io	\exists								-		
1/2	No Jones	7	1427	Me Count Rute	Keceved by: (Signature and Printed Name)	Name)	Date 9 - 1 23	23 // dan	Custody Seals:] Sign] :		1
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Refinquished By: (Signature and Printed I		-	e	Received for Lab By	Y: (Signature and Printed Name)	Printed Name)	8/16/22	Time	Were samp	k see	es properly preserved:	ved:	T
	1 4401			1	Flow Data	la Field	Test	189	Reent	2 0	ŀ	No Pirito	T
Comments: Be(4-PS), Ni(2	Be(4-PS), Ni(28-PS), Cu(29-PS), As(33-PS), Ag(47-P- TI(81-PS), Pb(82-PS).	33.PS), Ag(47.PS	S), Cd(48.PS)		Analyst:		Ц	1			+	e la la la la la la la la la la la la la	Т
Cr(24.PS), Zn(Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51	(42.PS), Sb(51.P	PS), 00.MD		Reading:	+		1			Н		П
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						Fecal	Fecal Start:		This Do	This Document is Page)	is Page	1 of 2	Т

slort Time, 8.15.20 / 0705

End Time: 6-16-20 at 68 10

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170Tel.

> Sample Type Customer Name : NORTH LITTLE ROCK-MAUMELLE INF Customer/Permit No. : 3720 / AR00020303 Control Number: 2210010408 Report Date : 11/07/22

Composite Date:10/25/22 -10/26/22 Sample Time: 0700-0820/0820(10/26 Sample From : MMI-WTR-MCR-Q4-22 : COMP/GRAB WWATER

Collected By: BRYAN CROFT/KAY Delivery By : NTR Purchase Order: Work Order

		Laboratory Analysis				T the Late	77.00
Analvsis	51					X ATTENX	Sarance
Date Time Dy	100 P	1				Frecision	Accuracy
יייייייייייייייייייייייייייייייייייייי	ביין	77	Notes	Quantity	Method	% RPD	% Recovery
7.136	Beryllium	< 0.0050 mg/L			EPA 200.8	0.77	93.4 *
11,02 0515 NTR	Cyanide Total (HACH 10265	111			SM 2011 4500-CN E	00.00	104.0 *
10/31 0430 NTR	Phenolics	0.11 mg/L					*
11,03 1736 JFT	Chromium	0.02975 mg/L			EPA 200.8	} <	
11/03 1736 JFT	Nickel	0.00919 mg/L			EPA 200 8	# W	· ·
11/03 1736 JFT	Copper	0.1082 mg/T.			0 CC KUD	0 0	* 000
THUT 3001 CO/11	4 { 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TOWN THE CO			DER 200.0	77.7	* 20.00
17/03 1/30 OF1	71110	0.2/54 mg/L			EPA 200.8	7.76	* 6.101
11/03 1/36 JFT	Arsenic	< 0.0100 mg/L			EPA 200.8	0.75	102.7 *
11/03 1736 JFT	Selenium	< 0.0100 mg/L			EPA 200.8	2 C	* 0.70
11/03 1736 JFT	Molybdenum	< 0.0100 mg/L				1.32	* 000
11/03 1736 JFT	Silver	0.00855 mg/L			EPA 200.8	1 0	
11/03 1736 JFT	Cadmium	< 0.00400 mg/L			EPA 200.8		* *
11/07 0900 NTR	Mercury	020				12.47	*
11/03 1736 JFT	Antimony	200					: + r c
11/03 1736 JFT	Thallium	100				4 6	
THE SELE CO/11	700					00.0	8/.4 ×
	רמשל	T/Sw nonto:n >			EPA 200.8	2.85	97.5 *

QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136 Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Inc. Ç0 Environmental Services

Env mental Services Company, Inc.

Corporate Office rkham P.O. Box 55146 72211 Little Rock, AR 72215 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

	Client Information				Ь	Project Information	ormation	_		2	Saueste	Requested Parameters	meter	0
Company Name:	North Little Rock WWU/Maumel	WWU/Maur	nelle	Permit/Project #:	1								-	
Address:	P.O. Box 17898			Purchase Order #;	Order #:	702137	7			_				
	North Little Rock, AR	AR 72117		Work Order #	er#						-			
Telephone:	501-945-7186			Sampler Name(s):	Vame(s):	S. sa	Crop	170		_	(1			
FAX:	501-945-2367				•	Hall.	ľ	9			ştuət			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	8					uuo			
ESC Client Number:	3720 Influent Quarterly	erly		,		11/2	A CO				_			
Sample Identification	ntification		Sample	Sample Collection			Sample (Sample Containers) əbi () slo	S) s			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	-				
MMI-1378-MCR-04-02 2210010408	22/0010408	10/2/12/05/20	0820	Grab	Wwater	Plastic	8 02	NaOH+Asc Acid	+>	-	7	F	\vdash	
MMI LITE MIR OH 22	20	10/2/22 0520	0220	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	1	×				
MMI WIR MCROY 20	7	10/2/122 08/20	0820	Composite	Wwafer	Plastic	8 02	HNO3	1		×		-	
													-	
									-		1	+	+	I
									-		1	1	+	I
									-	+	+	1	+	
									-			T	-	
Relinoushed By (Stoneting and Dries	od Marrol											F		
Bu Cale Bryan	they wan	10/2422	1110	Kacqued By All	Signature and Printed	A CONTRACTOR	1	Date 6.26.71	1,00 1,00	Custody seals: Used?	Seals:	Intact?		
The state of the s	da neme)	Date	Time	Received By: (Sa	Received By: (Signatule and Printed Name)	(a Name)		Date	Time	Turnaround	<u>ן</u> [Checisal		
Relinquished By: Attorature and Prinled Name	ed Name)	Date 1x 76-72	Sul Sul	Received for Lap	Received for Lab By: (Signeture and Printed Name)	d Printed Name	2	Date	J. J.	Were san	ples prope	Were samples properly preserved:		Π
Cool all samples to E 5 degrees C with ice	ses C with ice.	1	1	TWO TO	WANT DOW	Data Puniting	Field Toos	f	T	Yes	_	Š	0	
Comments: Be(4.HW), I	Be(4.HW), NI(28.HW), Cu(29.HW), As(33.HW), Ag(47.	15(33.HW), Ag	(47.HW), Cd(48.HW)	1	1		16B DID	1	Anaiyst	Resuit	Kesult		Units	T
TI(81.HWV),	Pb(82 HW), Hg (50.15)~				Time:				T			-		T
Cr(24.HW),	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW), 00.MD 👝 🌃	Mo(42.HW), 5	3b(51.HW), 00	J.MD CO. ING.	Reading:						L	-		T
					Units:									Γ
					Chlorinated?	z >				This Do	cument	This Document is Page 1 of	jo	Γ
1	1 1.0													1

stat Octo + Time: 10/25/22 at 520 am

Revised 4-14-99

G:WP50\DOC\FORMS\CHAIN.XL8

Little Rock, AR 72211 11)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501)221-2565

(479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel.

> Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2210010402 Report Date: 11/15/22

Composite Date:10/25/22 -10/26/22 Sample Time : 0705-0830/0830(10/26 Sample From : MME-WTR-MCR-Q4-22 : COMP/GRAB WWATER Sample Type

Purchase Order: Work Order

Collected By: BRYAN CROFT/KAY

NTR

Delivery By

	Lak	Laboratory Analysis				Quality Assurance	ssurance
Analvsis					1	Frecision	Accuracy
Date Time Bv	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
1 ~	Beryllium	< 5.00 ug/L			EPA 200.8	2.22	* 6.96
	Cyanide Total (HACH 10265				SM 2011 4500-CN E	00.0	104.0 *
•	Merchiny Tow Tevel				EPA 1631E	5.01	91.0 *
, ,-	Nitrate Nitrogen				HACH 10206	2.67	105.0 *
77/01 1030 DMC	Nitrite Nitrogen				EPA 354.1	4.11	108.0 *
-	Dhenolics Low Range				EPA 420.1	0.00	109.7 *
TATE 3561 50/11					EPA 200.8	0.04	111.3 *
0 0 0	Phosphorus, Total (as P)	1.0800 mg/L			EPA 365.1	0.00	100.0 *
2000	N-Ckel				EPA 200.8	0.66	98.4 *
20074					EPA 200.8	2.07	* 6.86
1726	こうない シロ・アン				EPA 200.8	7.76	101.9 *
THE SELECT THE THE	Argenia Cingenia	00			EPA 200.8	0.74	102.7 *
1726		_			EPA 200.8	3.42	107.5 *
77.76	Molyhdenim				EPA 200.8	1.34	92.9 *
2001					EPA 200.8	1,31	104.1 *
ייר הייר הייר	Cont.::#				EPA 200.8	1.39	\$ 2.3
1726	Zadinitain Zatimoni				EPA 200.8	0.56	98.3 *
77.00	Troumant.	< 10.000 ug/L			EPA 200.8	3.11	93.5
	Lead	_			EPA 200.8	2.85	97.5 *

^{*} QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services Co., Inc

Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565

Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue

(479)750-1170 Fax (479)750-1172 Tel.

> Sample Time Sample Date Customer Name : NORTH LITTLE ROCK-MAUMELLE EFF Customer/Permit No. : 3719 / AR0020303 Control Number: 2210010403 Report Date : 11/15/22

Sample From : EQUIPMENT BLANK : GRAB WWATER Sample Type

: 10/26/22

: 0830

Purchase Order : Work Order

Collected By: BRYAN CROFT/KAY

Delivery By : NTR

Laboratory Analysis

Mercury, low level Parameter Date Time By 11/11 1106 ACZ Analysis

Quantity Notes < 0.300 ng/L Result

Method EPA 1631E

% Recovery Accuracy 91.0 Quality Assurance Precision % RPD 5.01

* QA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services C6., Inc.

Revised 04-15-2019

En imental Services Company, Inc. Corporate Office

P.O. Box 55146 Little Rock, AR 72215 website; www.esclabs.com 13715 West Markham Little Rock, AR 72211

Phone: 501-221-2565

Fax: 501-221-1341

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas Carlsbad, New Mexico 479-750-1170 575-887-1372

	Client Information			L	D	piect Info	Project Information							
					1	200	OTHER STORES			Ž.	Reduested	led r	rarameters	SIC
Company Name:	North Little Rock WWU/Maumelle	WWU/Maun	nelle	Permit/Project #:	ject #:						_			
Address:	P.O. Box 17898			Purchase Order #:	Order #:	222137	7					_		
	North Little Rock, AR 72117	, AR 72117		Work Order #	# 1.								_	
Telephone:	501-945-7186			Sampler Name(s):	ame(s):	Spires	-	72.				(:		
FAX:	501-945-2367					Hallo	15					stner		
Contact:	Ms. Marybeth Eggleston	gleston		and Signature(s):	ure(s):	2	0.0	_			P(2)	nmo	(
ESC Client Number: 3'	3719 Effluent Quarterly	terly				11/2	1			_	lsto ⁻	O 86	r£.81	
Sample Identification	ıtification		Sample	Collection			Sample (Sample Containers) abir) slor	F.(.81	(S) sl	.)ƙin:	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	##	\rightarrow	103(Neta Nos(-	
MME WAR MCR OF 22	2210010402	10/2/, 1/20	080	Grab	Wwater	Plastic	8 02	NaOH	1			4	-	F
MMF-WTR-MCR-W4-22		10/2/190	68.86	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	7	×		\vdash		
MME WITH MUR-ON DO		10/9/199	0880	Grab	Wwater	Plastic	8 02	H2S04	3		×			
MME-WIR MCR-04 90		10/1/1/22	08.80	Grab	Wwater	Plastic	8 02	Cool < 6° C	7			×		L
MME-LIPR-MCR-CH-DD		10/2/199	08.40	Composite	Wwater	Plastic	8 02	HNO3 to pH <2	7			×		I
MME WIR MCR CH 20	1	1018/10	OXSO	Composite	Wwater	Glass	250 ml	Cool ≤ 6° C	7				×	
Equipment Blank	22/0010403	10/2/199	OXSO	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	7			\vdash	×	
												\vdash		
														L
Meninguished by: (Signature and Printed Name)	name)	Date (0/10/0)	0///	Received By (S)	Signature and Printed Name	Naphrey)	١,	Date	ıme	Custody Seals:	eals:			T,
Relimpushed By: (Signature and Pringed	I Name)	Dale		Received By: (Sig	Pag Pag	Name)		Date	Time	urnaround		5	intact?	T
Bolis in the contract of the c	A Manuscript		П							Regular		ß	Special	_
- 1MI	(12,0-	16-22-22	1525	Received of Leb By: (Signature and Periled Name)	by: (Signature and	Printed Name		10 26 22 15	520 STIME	Were samples properly preserved: Yes No	ples proc	perly pre	No No	 -
	9			,	Flow Da	Data	Field Test	Time Ar	Analyst	Result	Result	-	Units	Ţ
Comments: Be(4.PS), Ni(Be(4.PS), Ni(28.PS), Cu(29.PS), As(33.PS), Ag(47.PS), Cd(48.PS)* TI(81.PS), Pb(82.PS)*	(33.PS), Ag(47	.PS), Cd(48.P		Analyst:				П			+		T
Cr(24.PS), Zr	Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51	Ao(42.PS), Sb(5	1.PS), 00.MD		Reading:	T						\parallel		П
					Units:							+		T
										This Document is Page	umeni	t is Pa	je i of	T

skirt Dak & Time: 10/25/22 at 0705 am End Work+ Time: 10/14/12 at 0830

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170 Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501)221-2565 Tel.

Delivery By : J. Ь. Collected By: Work Order WOI-WTR-MCR-Q1-22 COMP/GRAB WWATER 0825/0825 01/05/22 Sample Type Sample From Sample Date Time Sample Customer Name : NORTH LITTLE ROCK-WHITE OAK INF Customer/Permit No. : 2452 / AR00038288 Control Number: 2201010436 Report Date : 01/18/22

BARRETT/B. BARRETT Purchase Order

Ü

	Laboratory Analysis				Ouality Z	Ouality Assurance
					Precision	Accine a
	Result	Notes	Quantity	Method	* COA *	* Pocorrent
	< 0.0500 mg/L			EPA 200.8	0.11	* 4 00 B
Syanide Total (HACH 10265	100			SM 2011 4500-CN E	3 11	, vo
	0.09 mg/L				00.00	200.5
	< 0.02000 mg/L			EPA 200.8	0.21	* 000
	< 0.02000 mg/L			EPA 200.8	100	* 0
	0.0240 mg/L			EPA 200.8	1 67	* *
	0.1610 mg/L			EPA 200.8	 	: *
	< 0.0100 mg/L			EPA 200.8	22.0	* * * * * * * * * * * * * * * * * * * *
	< 0.0150 mg/L			EPA 200.8	0.50	* *
	< 0.0500 mg/L			EPA 200.8	. c	* * * * * * * * * * * * * * * * * * * *
	< 0.12000 mg/L			EPA 200.8	200	4
	000			EPA 200.8	0.0	· *
	020			EPA 245.1	0.32	ο α ο α
	< 0.0100 mg/L			EPA 200.8	0.17	* 20.00
	500			EPA 200.8	1.00	
	.T/2m 00901 0				i (
))				0.12	83.6 *

OA data shown is from a different sample or standard on the same date.

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Signature

Environmental Services (Co., Inc.

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

En mental Services Company, Inc. Corporate Office

Little Rock, AR 72215 P.O. Box 55146 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



2	Client Information				Pro	Project Information	rmation			R	ednest	Requested Parameters	meters
Client:	North Little Rock WWU/White O	NVU/White	Oak	Permit/Project #:	ject #:								
Address:	P.O. Box 17898			Purchase Order #:	Order #:	212480							
	North Little Rock, AR 72117	R 72117		Work Order #	# 16								
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Jason Barrett	Bornett				(sı		-17
Fax:	501-945-2367					Bryan	CAR				weu	_	
Contact:	Ms. Marybeth Eggleston	eston		and Signature(s):	:nre(s):	d		B:		-63	moC		
ESC Client Number: 2	2452 Influent Quarterly	ιły			//	Burn	Cal)				_	
Sample Identification	itification		Sample	Sample Collection	0	0	Samplelic	Sample/Containers		ebin elon	s) s e		
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	# e		-		
MOL WITH MICK BL 22	220101016	1/2/17	0835	Grab	Wwater	Plastic	8 02	NaOH+Asc Acid	7	×			
WIGH WITH - MCR @1.22		15/27	2830	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	1	^	×		
WOT WITH MUR-012	+	15/22	5895	Composite	Wwater	Plastic	8 oz	HN03	1		×		
	2201010436												
	11717												
Heliognahed By: (Signature and Printed Name)	(Name)	Date		Received By: (Si	Signature and United Name	Name)		7	- E	Custody Seals.	Seals.	1	1
1 Some Some Description	Joseph Burret	115/12	130	ALLINA	a rower	2		3	150			Intact?	
Reproduished By: (Signature and Printed	d Name}	Date	l me	Received By: (Su	Received By: (Signature and Prinled Name)	I Name)		Date	Time	l umaround Regular		Special	
Religioushed By. (Signatury and Printed Name)	ď Name)	1/5/22	1000/	Received for Lab	Received for Lab By: Signature and Printed Name	Notifited Name	-2V2	1-5-22 /	(606)	Were sam Yes	mples pro	Were samples properly preserved Yes No	No No
ples to < b d	as C with ice.				FIRM D	Data	Field Test	Time A	Analyst	Result	Result	F	Units
Comments: Be(4.HW), N	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(47.HW), Cd(48.HW) TI(81.HW), Pb(82.HW), Hq (50.15)	s(33.HW), Ag	(47.HW), Cd	(48.HW)	Analyst: Time:						\coprod	\parallel	
Cr(24.HW), 2	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(Mo(42.HW), S		51.HW),00.HG, 00.MD	Reading:						H		
					Units:	T					4	_	
					Chlorinated?	z >	Fecal Start:			This D	ocnmen	This Document is Page _of	Tot T

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 U

BARRETT/B. BARRETT Collected By: J. Delivery By : J. Purchase Order : Work Order From : WOE-WTR-MCR-Q1-22 : COMP/GRAB WWATER : 01/05/22 Time : 0810 Type Date Sample Sample Sample Sample Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 Control Number: 2201010434 Report Date : 01/21/22

a out the same	Accuracy	% Recovery	105.1	96.5 *	100.0	109.0	98.3	0.66	* 9.96	97.2	104.4 *	N/A *	93.9	93.6	82.9	86.9	84.4	89.2	81.7	82.8	76.7	81.7	83.6
Onality Assurance	Precision	% RPD	1.58	3.11	5.70	5.43	2.05	0.00	2.06	0.21	00.00	21.51	0.01	1.67	6.00	0.23	0.52	0.56	0.56	0.12	0.17	0.31	0.12
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	02/2014 HACH 10242	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	SM 2011 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8
		Notes Quantity																					
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	1.390 ng/L	29.1 mg/L	1.0700 mg/L	< 0.0150 mg/L	< 0.005 mg/L	< 20.00 ug/L	000	102.0 mg/L	00.		.57	< 10.00 ug/L	< 15.00 ug/L	< 50.00 ug/L	0.0	00.	< 10.00 ug/L	< 50.000 ug/L	110.28 ug/L
La		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
	Analysis	Time	01/11 0457 NTR	01/07 0405 NTR	01/11 1046 ARA	01/06 1335 EJD	01/07 1045 KSR	1115	01/10 1230 NTR	0457	1445	1430	01/11 0457 NTR	0457	0457	0457	0457	0457	01/11 0457 NTR	0457		0457	01/11 0457 NTR

data shown is from a different sample or standard on the same date. QA A

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Signature

Environmental Services Co., Inc.

Environmental Services Company, Inc.

 Corporate Office
 Carlabad, New Mexico

 13715 West Markham
 575-887-7-ESC (372)

 601-221-2565 (p)
 479-750-1170

 501-221-341 (f)
 www.esclabs.com

10.0



Chlorpyrifos

Data Release authorized by:

LABORATORY REPORT

Detection Limit	Result	Ī	<u>MenA</u>
	/L or ppb)	ANALYTES OF INTEREST (µg/	
01/21/22	Report Date:	MOE-MTR-MCR-Q1-22	Sample Identification
01/06/22	Receipt Date:	Grab Wastewater	Sample Type:
0180	Sample Time:	2201010434	Control Number:
01/02/55	Sample Date:	North Little Rock Five Mile Effluent	Client:

QUALITY ASSURANCE DATA

 Method:
 SW 8081B, Rev 2, 2007

 System Monitoring Compounds
 % Recovery Limits

 Decachlorobiphenyl
 72.9%
 44.1-108

Analysis Date:
Analysis Date:
Analysis Date:
Analysis Date:

Laboratory control samples were monitored for all analytes of interest.

Ned Ryerson, Caboratory Manager

ND

M

Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170Tel. Fax (501)221-1341 13715 West Markham Little Rock, AR 72211 Corporate Office (501)221-2565 rel.

Collected By: J. BARRETT/B. Delivery By : J. BARRETT Work Order : : EQUIPMENT BLANK : GRAB WWATER 01/05/22 0810 Sample Date: Sample Time: Sample Type: Sample From Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 Control Number: 2201010435 Report Date: 01/21/22

Purchase Order:

C

% Recovery Accuracy

Quality Assurance Precision % RPD Method EPA 1631E Quantity Notes Laboratory Analysis < 0.500 ng/L Result Mercury, low level Parameter Date Time By 01/11 1055 ARA Analysis

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Co., Inc. Environmental Services

Revised 04-15-2019

En, mental Services Company, Inc.

Corporate Office

13715 West Markham P.O. Box 55146 Little Rock, AR 72215

website: www.esclabs.com Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

Requested Parameters				nb ş	sr (0	04-50 04-66	2.4.2 O ee Sos (9) alor B) alı hinyqn (TS) (TS) (Sat)	Pheta Chlo TDS TKN	×	×	×	×	×	×	×	×	Custody Seals: Intact?	ind:	Regular X Special	Were samples properly preserved:	Result Result Units				This Document is Page of /	-∦
							(6,		#	-	>	-	7	7	-	-	7	Z.	Time	Ä	Time W	~				F	
						2)	Containers	Preservative	NaOH+Asc Acid	CuSO4+H2SO4	HNO3	None	None	H2SO4	HCI	HCi	1/5/22	Date		Date 15-27	Time					
Project Information		081		Jason Barrett	さい	- Beni	Cal	Sample	Volume	8 oz	1 Liter	8 oz	1 Liter	8 oz	8 02	250 ml	250 ml				100	Field Test				Fecal Start:	
oject Inf		212480		Jason	B Yan	3	Brus	0	Type	Plastic	Glass	Plastic	Amb GI	Plastic	Plastic	Glass	Glass	inted Name)	1 Name)		Bignature and Plinted Name	Data				z	-
Pr	ject #:	Order #:	# 5	ame(s):		ure(s):	,	2	Matrix	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Wwater	Signature and Printed Name)	nature and Printe	- //	. U	How D	Analyst:	Time:	Keading: Units:	Chlorinated?	
	Permit/Project #:	Purchase Order #:	Work Order#	Sampler Name(s)		and Signature(s):		Collection	Type	Grab	Grab	Composite	Grab	Grab	Grab	Composite	Grab	Received By: (Sig	Received By: (Signature and Printed Name)		Recorded for the By		国会社				
	Oak							Sample (Time	े%।	OSIC	0250	0810	0816	0810	0310	csib	1430			1600			JIE:			
	/WU/White		IR 72117			eston	-1st .		Date	۲۱/ ۱/۶	1/5/12	1/5/122	1/2/12	15/23	YT 5	TR 5/1	1/5 /3h	1/5/2x	Date		1/5/22			(30 07/FC	Cd(48.P3)	S), 00.MD	
Client Information	North Little Rock WWU/White	P.O. Box 17898	North Little Rock, AR	501-945-7186	501-945-2367	Ms. Marybeth Eggleston	I Effluent Quarterly	fication	ESC Control #	7201010434						7	3201010K35	Josep Buret	lame)		lame}	C with ice.		A-/20 DC\ A-(47 DC\	AS(33.F3), Ag(41.F3),	3), Mo(42.PS), Sb(51.PS	
ਹ	Client:	Address:		Phone:	Fax:	Contact:	ESC Client Number: 2451 Effluent Quarterly-1st	Sample Identification	Identification	WOE - WIR - MCR - 03.13	MOE-WIR-MCR-G1-12	WOE WIR-MCK-G1-12	WOR-WTR-MCR-G1-22	WINE WIR MICK 81.12	WOE-WTB-MOX-01-12	MUE-WIR-MCK-021-22	Equipment Blank	Reingrayshad By: (Signature and Printed Name)	Reinquished By: (Signature and Printed N		Relinguished By: (Signeture and Printed Name)	Cool all samples to ≤ 6 degrees C with ice	Comments:	De// DC/ Ni/99 DC/ Cu/90 DC	De(4.r.S), NI(26.r.S), CU(28.r.S, AS(33.r.S), AG(47.r.S), CQ(48.r.S) TI(81.PS), Pb(82.PS).	Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	



Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

: WOI-WTR-MCR-Q2-22 GRAB/COMP/WWATER 05/10/22 0845 Sample From Sample Type Sample Time Sample Date OAK INF Customer Name : NORTH LITTLE ROCK-WHITE Customer/Permit No. : 2452 / AR00038288 Control Number: 2205010338 Report Date : 05/26/22

Collected By: KAYLA Delivery By: MER Work Order: Purchase Order:

JONES

Onality Agentage	A COUNTY OF	* Recovery	4 2 86	* * * * *	100.7	* 0 00	* 000	100.0	7.70.	1.00	101.5 *	102.5 *	* 0 70	* 4	*		, 0.6/	* 0.86	104.2 *	101.1 *
Onality	Drainain	RPD RPD	1.44	16.67	06.9	0000	69-0	1.0		17.7	0.93	0.77	1.69	0 78	0 C	000	00.0	0.40	0.68	0.62
		Method	EPA 200.8	SM 2011 4500-CN E		EPA 200.8	EPA 200.8	EPA 200.8	FDA 200 8	0.000	EFA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EDA 200 8	FDA 245 1		EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																		
70		Notes																		
Laboratory Analysis		Result	< 0.0500 mg/L		0.11 mg/L	-	< 0.02000 mg/L	0.0410 mg/L	< 0.0500 mg/L				< 0.0500 mg/L	< 0.12000 mg/L		< 0.0050 mg/I.			_	0.03540 mg/L
		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Argenia		Selenium	Molybdenum	Silver	Cadmium	Mercury	Anti-month	All CINOLIN	Thallium	Lead
	Analysis	Time				05/23 0645 NTR	0645	0645			1 1	U645 NTR	0645 NTR	0645 NTR	0645 NTR) L	0645	05/23 0645 NTR

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature Environmental Services 9., I

Revised 4-14-99

Enr mental Services Company, Inc.

Corporate Office
West Markham P.O. Box 55146
tock, AR 72211 Little Rock, AR 72215
website: www.esclabs.com 13715 West Markham Little Rock, AR 72211

Fax: 501-221-1341

Phone: 501-221-2565

CHAIN OF CUSTODY

Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

1000				0									
				T.	oject Int	Project Information			œ	ednes	sted P	Requested Parameters	ပ
Client: North Little Ro	North Little Rock WWU/White	Oak	Permit/Project #:	ject #:									
Address: P.O. Box 17898	8		Purchase Order #:	Order #:	7010	219480 22.08V	CVXO.						
North Little Rock, AR	ck, AR 72117		Work Order #	# 10									
Phone: 501-945-7186			Sampler Name(s):	lame(s):	Kalla	3	30			(s			
Fax: 501-945-2367					Bryan	0	mat t			ıtuəu			
Contact: Ms. Marybeth Eggleston	≡ggleston		and Signature(s):	ture(s):	11/2	9				uwo:			
ESC Client Number: 2452 Influent Quarterly	arterly				2	2	1		-				
Sample Identification		Sample	Collection			Sample (Sample Containers) əbir) əlor) alor 2) alı			
Identification ESC Control #	# Date	Time	Туре	Matrix	Type	Volume	Preservative	# e/	_				
COCE - W.C. P 02-20 2 20501 033B	S 5/10/20	०४५5	Grab	Wwater	Plastic	8 oz	NaOH+Asc Acid	_	×				
LOST - WIR MUR 63 20	5/10/03	08 6	Grab	Wwater	Glass	1 Liter	1 Liter Cuso4+H2SO4	_		×			
COCT COTA - MA GO BO	5/10/20	0745	Composite	Wwater	Plastic	8 oz 💘	HNO3			×			
	•												
								F	H	F			Γ
Paliculation Bir. (Specific and Boatse Ause)													
7	T. Laton	ime	Keceived By: (Sig	Received by: (Signature and Printed Name)	d Name)	1 11	-	ime	Custody Seals	Seals:		۱	Γ.
Relinquisted By: (Synature and Printodivane)	Date		Received By: (Signature)	gnature and Phinted Name)	CLCA KP	ACTIVE!	2/ /2/2/ Calls	7 / W	Used?	- Du		Intact?	
meter whelput moverore knowled	5/10/22	10:17	week //	ulbert /	W. Yherl	Mitheel Rothen 5/10/22			Regular	L	Š	Special	_
Relinquished By: (Signature and Printed Name)	Date	Time	Received for Lab	(Signature a	d Printed Name	6	Date	Time	Were sa	Were samples properly preserved:	sperly pre	served:	T
Jenne 109/1/2 1/2 20/18-	7-M-CL	0800	457 LENA	3	Ke		J	Λ	Yes	S		₽ S	
200				ا ڍ	Data	Field Test	Time A	Analyst	Result	Result	-	Units	Γ
Comments: Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(V), As(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:									Γ
Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), S	IW). Mo(42.HW), S	:b(51.HW),00.HG, 00.MD	1	Reading:						1	+		
			П	Units:						-	+		T
				Chlorinated?	z >	Fecal Start:			This D	ocumer	It is Pa	This Document is Page of 2	
												- Annaharan	



Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue (479)750-1170 Tel. (501)221-1341 Little Rock, AR 72211 1)221-2565 Fax (501) 13715 West Markham Corporate Office (501)221-2565

Delivery By : MER Purchase Order : Work Order : WOE-QTR-MCR-Q2-22 : GRAB/COMP/WWATER 0855 Sample From 田野田 Customer Name : NORTH LITTLE ROCK-WHITE OAK Customer/Permit No. : 2451 / AR00038288 Control Number: 2205010336 Report Date: 06/16/22

Collected By: KAYLA JONES 05/10/22 Sample Date Sample Time Sample Type

Assurance	Accuracy	% Recovery	* 4.86	92.3 *		116.0 *	108.0 *	* 0.36	* 6.76	99.2 *	102.0 *	N/A *	100.8 *	102.2 *	106.1 *	101.5 *	102.5 *	* 0.76	93.6 *	* 6.86	* 0.86	104.2 *	101.1 *
Quality Assurance	Precision	& RPD	1.44	16.67		2.99	1.50	12.72	13.33	0.29	5.15	11.45	0.69	1.10	2.27	0.93	0.77	1.69	0.82	0.08	0.40	0.68	0.62
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	02/2014 HACH 10242	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	SM 2011 2540 C	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8
		Quantity																					
		Notes																					
Laboratory Analysis		Result	< 50.00 ug/L	< 0.0100 mg/L	8.060 ng/L	21.9 mg/L	520	0.2080 mg/L	< 0.005 mg/L	< 20.00 ug/L	2.200 mg/L	0.0	00.	00.	00.	< 10.00 ug/L	< 15.00 ug/L	< 50.00 ug/L	< 120.0 ug/L	< 20.00 ug/L	< 10.00 ug/L	< 50.000 ug/L	35.74 ug/L
Li		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Total Kjeldahl Nitrogen	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Solids, Total Dissolved	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
	Analysis	Date Time By	m	05/20 0405 NTR	05/31 1442 ACZ	06/01 1040 AAC	06/15 1548 ACL	06/15 1555 ACL	05/13 0500 NTR	05/23 0645 NTR	06/15 1430 ACL	05/16 1457 AAC	05/23 0645 NTR	05/23 0645 NTR	0645	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR	05/23 0645 NTR

OA data shown is from a different sample or standard on the same date

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included. spiked and duplicate samples is run on each parameter A minimum of 10%

Signature



Co., Inc.



(479) 750-1170 Fax (479) 750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue Tel. Fax (501) 221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501) 221-2565

Collected By: KAYLA JONES Delivery By : MER : EQUIPMENT BLANK : GRAB/WWATER 05/10/22 : 0855 Sample Type Sample Time Sample From Sample Date Customer Name: NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No.: 2451 / AR00038288 Control Number: 2205010337 Report Date : 06/09/22

Purchase Order: Work Order

Method Quantity Notes Laboratory Analysis < 0.300 ng/L Result Mercury, low level Parameter Date Time By 05/31 1447 ACZ Analysis

EPA 1631E

& Recovery Accuracy

Quality Assurance

Precision

% RPD

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services 96., Inc.



Revised 04-15-2019

Env mental Services Company, Inc. Corporate Office

Little Rock, AR 72215 P.O. Box 55146 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

O	Client Information				Pro	ject Info	Project Information			R	Requested	steo	Par	Parameters	Sign
Client:	North Little Rock WWU/White	WWU/White	Oak	Permit/Project #:	ł						_	_			
Address:	P.O. Box 17898			Purchase Order #:	Order #:	ठाठ	212480 2	220847							
	North Little Rock, AR	AR 72117		Work Order #	# 15										
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Kall	100	Je.		_					
Fax:	501-945-2367				: 2	Bila	0 C/K	Ť			(25.)				
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	nre(s):	42%								()	
ESC Client Number: 24	2451 Effluent Quarterly	srly				ara.	S)		-		_		£.81	
Sample Identification	iification		Sample	Collection		0	Sample Containers	ontainers		əbir	slor (.81)	S) sli	(19.))/unc	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	live #				NOS	Mer	
COE-COTE MAR 62-22	22000336	5/10/2a	ONED	Grab	Wwater	Plastic	8 02	NaOH	-	×	\vdash	L			
COF-COIR MCR D22		5/w 120	0,55	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×				
LIDE GIR MCR GO DO		5/0/20	0835	Grab	Wwater	Plastic	8 oz	H2SO4	-		×				
LICE WIRE MIRE GO 20		5/10/22	OX 15	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C	-		_		×		
COCE LOTA MCP 00 20		5/10/20	6855	Composite	Wwater	Plastic	8 oz	HNO3 to pH <2	7			×			
COOE WITH MICH GO 22	1	5/10/22	07.55	Composite	Wwater	Glass	250 ml	250 ml Cool ≤ 6° C	-					×	
Equipment Blank	2205010337	5/0/20	67.00	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	-		_			×	
											\dashv			H	
Control technic by: Considered by	Town M								-		_	_			
Company of Signature and Philippe	7	14/2/00	E 3	Mecalved by. (Sig	necessived by. (Signature and Princed Name)	Name)	4. M. 1	C/0/3	1111 (7)	Custody Seals.	Seals:	г	Chaetel	L 2	r
Relinquished By: (Signature and Princed Name)		OSIG	Time	6	Signature and Printed	ined Name)		Date	Time	Turnaround		-			T
word pulyed mount	inel Racharl	Sloks	16:17	June 1	my	merceskalad	spel.	5/10/22	61:31	Regular	L		Special	Ē	_
Relinquished By: (Signature and Printed Name)	Name)	Suffee	Time Og Og	Received for Lab By: AS TEENA	S.	Printed Name		Date 7-(F-22	Time Coco	Were samples properly preserved: Yes No	samples Yes	Property -	/ presel	No Gi	_
Cool all samples to < 5 degrees C with ice.	s C with ice.				FIOW	Ita	Field Test	Time	Analyst	Result	Re	Result	L	Units	T
Comments:					Analyst:						Н				
					Ime:						Н				
Be(4.PS), NI(28.PS), CU(29.PS, AS(33.PS), Ag(47.PS), Cd(48.PS), TI(81.PS), Pb(82.PS)	, As(33.PS), Ag(47.PS)		1		Reading:	1					+				I
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	S), 00.MD			Chlorinated?	Z	Fecal Start			This D		ant is	Page	This Document is Page 1 of 0	T
						1						2	200	-]



Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue (501) 221-2565 Fax (501) 221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office

-08/16/22 Sample Type : GRAB/COMP WWATER Sample From : WOI-WTR-MCR-Q3-22 Sample Time : 0647-0900; 0900 Composite Date: 08/15/22

Customer Name : NORTH LITTLE ROCK-WHITE OAK INF

Control Number: 2208610377

Customer/Permit No. : 2452 / AR00038288 Report Date : 09/12/22

Collected By: BRYAN CROFT/KAY Delivery By : MER Purchase Order: Work Order

Duality Aggirance	Accuracy	P Pocotrone	* 0 80	* 000	* 6 70	. *	108.1	104	* 001	200	* 0 0 0 0 1 1 1 1	*	4 100	6	* 0	88.6	* 9.66	81.9
Onality	Precision	A RPD	1 20	11.76	000	20.00		2 49	1.62	. C	2.31	0.23	0.12	0.51	15.90	3.09	0.33	2.10
		Method	EPA 200.8	SM 2011 4500-CN E		EPA 200.8			EPA 200.8		EPA 200.8		EPA 200.8	EPA 200.8	EPA 245.7	EPA 200.8		EPA 200.8
		Ouantity																
		Notes																
Laboratory Analysis		Result	< 0.0100 mg/L	< 0.0100 mg/L		< 0.02000 mg/L			0.2675 mg/L			200	< 0.01000 mg/L	000	< 0.0050 mg/L	100	200	000
		Parameter	Beryllium	Cyanide Total (HACH 10265	Phenolics	Chromium	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Mercury	Antimony	Thallium	Lead
	Analysis	Time	08/25 0233 JFT	3515		1647	1618	1618 JFT	1647 JFT	1606 JFT	1647 JFT	1647 JFT	JET	1618 JFT	08/18 1200 AAC	1618		1618

QA data shown is from a different sample or standard on the same date.

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Signature Fnvironmental Services Co., Inc.

Env. mental Services Company, Inc.

Corporate Office

Little Rock, AR 72215 P.O. Box 55146 Little Rock, AR 72211 13715 West Markham

website: www.esclabs.com

Fax: 501-221-1341 Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

S	Client Information				Pro	ject Info	Project Information			E	sednes	sted Pa	Requested Parameters	S
Client:	North Little Rock WWU/White	WWU/White	Oak	Permit/Project #:	ject #:									
Address:	P.O. Box 17898			Purchase Order #:	Order #:	221490	Q						_	
	North Little Rock, AR 72117	4R 72117		Work Order #	# 16					_			×	
Phone:	501-945-7186			Sampler Name(s):	ame(s):	Bruga	Croft	H		_	(s)			
Fax:	501-945-2367				•	Kaylo		8			weu			
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):	Bund	Jak ar				moc		_	_
ESC Client Number: 24	2452 Influent Quarterly	ırly				1/2	٥			-	_	_	_	
Sample Identification	tification		Sample	Collection			Sample C	Sample Containers		əbin	slon		-	
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	five #	_	_			
170I-1010-MC G3-20 220 80 1037	2208010377	8-11-20	0069	Grab	Wwater	Plastic	8 oz	AaOH+Asc Acid	-	×				
COST WIR MCR 08 22		8-16-22	Alto	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	-		×			
COI WIR MCR 03.20		8 11 22	खळ	Composite	Wwater	Plastic	8 oz w	HINO3	-		×			
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	·													
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Palmonished By: (Simpling and Director	Name		S. P. S. S. S. S. S. S. S. S. S. S. S. S. S.						-		_			
Marila	6 Somes	9		MA C. DI KN	Michael Wolfell (Milean De Ja	R Dolla		Pre-22	15.27	Used?		Ĕ	Intact?	_
Refiniterished By: (Signature and Pryfled Name) R. 64 C. 1	Name)	Date 8-(C-2-	Time Sex	Received By: (Signal	gnature and Printec	i Name)		Date	Time	Turnaround Regular	and:	ds	Special	
Relinquished By: (Signatury and Printed	Namo)	Date	Time	Received for Lab	Received for Jacobs (Signapure and Printed Name) (Fall	Printed Name	F-94)	FILLS	Time 1504	Were sa	samples pr	Were samples properly preserved:	Served:	
Cool all samples to < 6 degrees C with Ice.	s C with ice.				Flow Da	Data	Field Test	Time	Analyst	Result	Result		Units	Γ
Comments: Be(4.HW), Ni	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(As(33.HW), Ag	(47.HW), Cd(48.HW)	48.HW)	Analyst:	Ī				L	1	+		Τ
TI(81 HW), P	TI(81 HW), Pb(82 HW), Hg (50.15)				Time:									Γ
Cr(24.HW), 2	Cr(24.HW), Zn(30.HW), Se(34.HW), Mo(42.HW), Sb(51.HW),00.HG, 00.MD	Mo(42.HW), S	b(51.HW),00	.HG, 00.MD	Reading:									
					Units:	Т				Ē	-	_ c		T
					Chiorinaled	z	recal Start:			IUIS	ocnwe	ant is Pa	Inis Document is Page 2 of 2	٦

Start Time: 8-15-22/0647
End Time: 8-16-20 at 0900

Little Rock, AR 72211 11)221-2565 Fax (501)221-1341 13715 West Markham Corporate Office (501) 221-2565

Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

-08/16/22 : GRAB/COMP WWATER Sample Time : 0850-0910; 0910 Composite Date: 08/15/22 Sample Type Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 2208010375 Control Number:

Purchase Order : Delivery By Work Order:

Collected By: BRYAN CROFT/KAY

Sample From : WOE-WTR-MCR-Q3-22 Report Date : 09/23/22

Quality Assurance	Accuracy	& Recovery	101.8 *	106.2 *	100.0 *	101.8 *	* 1.96	103.0	* 5.86	98.0	108.1 *	104.5 *	100.0 *	105.3 *	98.5 *	93.5 *	91.4 *	93.9 *	* 9.88	* 9.66	81.9 *
Quality	Precision	& RPD	2.69	11.76	0.41	0.34	1.92	9.71	0.19	1.26	1.88	2.48	1.72	0.54	2.32	0.22	0.11	0.51	3.03	0.30	2.10
		Method	EPA 200.8	SM 2011 4500-CN E	EPA 1631E	HACH 10206	EPA 354.1	EPA 420.1	EPA 200.8	EPA 365.1	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8		EPA 200.8
		Quantity								.4											
		Notes																			
Laboratory Analysis		Result	< 10.00 ug/L	< 0.0100 mg/L	4.990 ng/L		3300	< 0.005 mg/L	00.	360	00.		0.83		00.		< 10.0 ug/L	00.0	< 10.00 ug/L	< 20.000 ug/L	< 10.00 ug/L
TI I		Parameter	Beryllium	Cyanide Total (HACH 10265	Mercury, low level	Nitrate Nitrogen	Nitrite Nitrogen	Phenolics, Low Range	Chromium	Phosphorus, Total (as P)	Nickel	Copper	Zinc	Arsenic	Selenium	Molybdenum	Silver	Cadmium	Antimony	Thallium	Lead
	Analysis		0233	08/19 0515 NTR	08/31 0944 ACZ	08/18 0455 NTR	08/18 0430 NTR	08/19 0500 NTR	1647	0425	1618	1717	08/25 1647 JFT	1606		1647	1647	1609	-	1647	08/23 1618 JFT

QA data shown is from a different sample or standard on the same date.

equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. I Quality. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Inc. Services Company, Environmental

Northwest Arkansas Branch Tel. Fax (501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office (501) 221-2565

1107 Century Avenue

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172

: GRAB WWATER : 08/16/22 0910 Sample Type Sample From Sample Time Sample Date Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 2208010376 Report Date: 09/23/22 Control Number:

: EQUIPMENT BLANK

Collected By: BRYAN CROFT/KAY Delivery By : MER Work Order: Purchase Order:

Quantity Notes Laboratory Analysis 1.100 ng/L Result Mercury, low level Parameter Date Time By 08/31 0959 ACZ Analysis

Method EPA 1631E

& Recovery Accuracy

Ouality Assurance

Precision

& RPD

Signature

A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136.

* QA data shown is from a different sample or standard on the same date.

Inc. Environmental Services Co.0,

Revised 04-15-2019

Envil lental Services Company, Inc. Corporate Office

Little Rock, AR 72215 P.O. Box 55146 13715 West Markham Little Rock, AR 72211

website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341

Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

	Client Information	Towns or the second			0	Droiont Information	a cito con							
	TOTAL PROPERTY.	-				מבר ווו	JI III III III III III III III III III			r	edne	sted	raran	Requested Parameters
Client:	North Little Rock WWU/White	VWU/White	Oak	Permit/Project #	ject #:									
Address:	P.O. Box 17898			Purchase Order #;	Order #:	201490	2							
	North Little Rock, AR 72117	AR 72117		Work Order #	# 16									~[N
Phone:	501-945-7186			Sampler Name(s):	ame(s):	B. Van	, C,	The state of the s					_	N
Fax:	501-945-2367					1016	35	7			(797)		TUM	11
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ure(s):	a	1	1						2
ESC Client Number: 24	2451 Effluent Quarterly	ırly				20				-				(
Sample Identification	tification		Sample	Collection		5	Sample (Sample Containers		ebir) alon (.81)	S) sli	(18:), cury(>
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	# ive					7)
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(20E " JITE MCR 03 22		8-16-20	0110	Grab	Wwater	Glass	1 Liter	MISO4+H2SO4	-		×			
LYNE WITH MCK 13 22		8 12 22	0810	Grab	Wwater	Plastic	8 oz	H2SO4	-		×		H	×
CDE WIR MCA-03 20			OPIO	Grab	Wwater	Plastic	8 oz *	Cool ≤ 6° C	-		\vdash		×	-
LYDE WIR MCA 03 22	4		2910	Composite	Wwater	Plastic	8 oz *	HNO3 to pH <2	4		-	×		
DOT WTR MCA 03 20	- 1	$\overline{}$	OBIO	Composite	Wwater	Glass	250 ml V	V Cool ≤ 6° C	-				×	
Equipment Blank	2208010376118-11-20		0810	Grab	Wwater	Glass	250 mf 🗸	250 ml /Cool ≤ 6° C	-				×	
Control of Signature and Fritting Name	the Jones	Dale	ime	McC. ee (Robert Line and Printed Name)	nature and Printer	d Name)	RAIL!	Date V-fc-2~	14:22	Custody Seals: Used?	Seals:	_	Intact?	
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Relinquished By: (Signature and Printed Name)	Name)	Date	Time	Recentled for Lab By. (Signal	Sall Park	We and Printed Name)	e(f.13	8 11 Colaz	Time 15.1/	Were sa	samples p	roperty	Were samples properly preserved:	
Cool all samples to < 6 degrees C with ice.	s C with ice.				Flow D	Data	Field Test		Analyst	Result	Result		Units	S
Comments:				国公路国	Analyst:	П					H	Ħ		
Be(4.PS), Ni(28.PS), Cu(29.PS, As(33.PS), Ag(47.PS),	3, As(33.PS), Ag(47.PS)		1124	2	Reading:	Ī					+	T		
Cd(48.PS), Tl(81.PS), Pb(82.PS)	S),				Units:						\vdash	T		
Cr(24.PS), Zn(30.PS), Se(34.PS), Mo(42.PS), Sb(51.PS), 00.MD	S), Mo(42.PS), Sb(51.P	S), 00.MD		00000	Chlorinated?	z >	Fecal Start:			This D	This Document is Page !	is is		d jo
	1 22 1	£										l		

Short Time: 8-15-22 / 0850 AND End Time: 8-16-20 at 0910

G:\WP50\DOC\FORMS\CHAIN

Services Company, Inc. Environmental

(501)221-1341 Little Rock, AR 72211 13715 West Markham Corporate Office Fax (501)221-2565

Tel. (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch Springdale, AR 72762 1107 Century Avenue

> Composite Date: 10/25/22 Customer Name : NORTH LITTLE ROCK-WHITE OAK INF Customer/Permit No. : 2452 / AR00038288 Control Number: 2210010401 Report Date: 11/07/22

Sample Time: 0657-0900/0900(10/26 Sample Type: GRAB WWATER : WOI-WTR-MCR-Q4-22 Sample From

Delivery By : NTR Purchase Order Work Order

Collected By: BRYAN CROFT/KAY

-10/26/22

Quality Assurance	Precision Accuracy		S ALL S	// .0	SM 2011 4500-CN E 0.00 104.0 *		0 04	2000	0.00	8.002	200.8	200 S		2.85	200.8	EPP 200.8	0 000	* 1.33 YS. / *	EPA 245.7 12.57 104.4 *	EPA 200.8	2000		
		Notes Ouantity	63																				
Laboratory Analysis		Result N	< 0.0050 mg/L		_	0.15 mg/L	0.02824 mg/L	0.00468 mg/L	T/20 0070 0	17 /Sill C240:0	0.1854 mg/L	< 0.0100 mg/L	. O 0100 mg/L	T/5111 00100 /	< 0.0100 mg/L	0.00894 mg/L	< 0.00400 mg/L	F/ + 1 0 0 0 0 0		< 0.0200 mg/L	001		
		Parameter	Beryllium	Cvanide Total (HACH 10265	Dhonoling	FIGURES	Chromium	Nickel	Copper	1 24 1 24 1	ZIUC	Arsenic	Selenium	Mr. 3 - 1- 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	Molypaenum	Silver	Cadmium	Marchine		Antimony	Thallium	7 C	
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* OA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where applovality Assurance Plan on file with Arkansas Department of Environmental Quality. The start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

Revised 4-14-99

Env mental Services Company, Inc. Corporate Office

P.O. Box 55146 13715 West Markham

Little Rock, AR 72215 Little Rock, AR 72211

website: www.esclabs.com

Phone: 501-221-2565

Fax: 501-221-1341



Carlsbad, New Mexico 575-887-1ESC

Springdale, Arkansas 479-750-1170

	Client Information				ď	Diect Inf	Project Information					Ċ	
Client	North Little Book WAAA/Little	ANA/I IAA/bit	100	Dormit Charles			on line			4	lsenba	led ra	Requested Parameters
Address:	P.O. Box 17898			Purchase Order#:	yect#: Order#:	0,000				_			
	North Little Rock, AR	AR 72117		Work Order #	er # ::	101777	7						
Phone:	501-945-7186			Sampler Name(s):	lame(s):	Lan	7	200			(
Fax:	501-945-2367					Barnes	CRU	200		_	stnə		
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	17					wwo		
ESC Client Number: 2	2452 Influent Quarterly	-Ju				To the second	-				_		
Sample Identification	ntification		Sample	Collection			Sample (Sample Containers		e) ebi (s) elo	s(S)		
Identification	ESC Control #	Date	Time	Туре	Matrix	Type	Volume	Preservative	live #	_	-	`	
(X)I-13TR-M. 9-CH 202210010	22216010 461	10/26/10	980	Grab	Wwater	Plastic	8 oz	NaOH+Asc Acid	1	4	-	\vdash	
WOI WITH MURCH 20	0	10/1/2	5960	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	1	+	×	-	
WOIL WITH MOREOH 20	+	10/9/, 122	800	Composite	Wwater	Plastic	8 02	HNO3	5		×	-	
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Relinedished By. (Signature and Printed Name)	d Name)	Dáte	_	Received By: (Sig	Received By: (Signature and Printed Name)	1 Name)	8	Date) emi-	Turnaround	١	intact?	
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Commission of the commission o	Jan Jan	16.26.22	1520	Received for Lab By. (Signature and Printed Name)	3y. (Signature and	Printed Name	2	10/26/22	15.70°	Were sam	Were samples properly preserved	erly prese	Nod:
pid	es C WILVICE.				Flow Da	Data	Field Test	-	Analyst	Result	Result	-	- Sile
Comments: Be(4.HW), N	Be(4.HW), Ni(28.HW), Cu(29.HW), As(33.HW), Ag(4	s(33.HW), Ag	(47.HW), Cd(48.HW)		Analyst:				Т			-	
Cr(24 HW) 7	Cr(24 HW), Zn(30 HW), Se(34 HW), Mc(42 HW) Sh	MO(42 HIAN O	15/54 LIMB DO	754 ENAN OO UC OO MAD	ime:							H	
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stort into to The	on salas 100	AL A 1 K7 C										2 000	+10+

start Date & Time: 10/25/22 at 0657 am End Wate & Time. 10/26/22 at 0900 am

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 - (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2210010399

Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Sample Ti
Customer/Permit No. : 2451 / AR00038288

Report Date : 11/15/22

Composite Date:10/25/22 -10/26/22 Sample Time: 0653-0915/0915(10/26 Sample Type: COMP/GRAB WWATER Sample From: WOE-WTR-MCR-Q4-22

Work Order: Purchase Order :

Collected By: BRYAN CROFT/KAY

Delivery By : NTR

Laboratory Analysis

% Recovery Accuracy 104.0 108.0 96.7 107.0 109.7 98.9 101.9 92.9 93.5 100.0 98.4 107.5 105.0 111.3 102.7 104.1 95.7 98.3 Quality Assurance Precision % RPD 2.22 00.0 0.93 2.67 4.11 0.00 0.04 00.0 99.0 2.07 7.76 1.39 3.42 0.56 1.34 1.31 3.11 SM 2011 4500-CN E Method HACH 10206 200.8 200.8 200.8 EPA 200.8 EPA 354.1 EPA 1631E EPA 420.1 200.8 365.1 200.8 200.8 200.8 200.8 200.8 200.8 200.8 200.8 EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA EPA Quantity Notes mg/L ng/L mg/I ng/L mg/r mg/L ng/I mg/L ng/L ng/I ng/I ng/I ng/I ng/I ng/I ng/L ng/L ng/L 6.880 1.1050 0.5950 < 0.005 2.75 < 5.00 0.0100 25.61 22.77 < 10.00 < 10.00 4.3700 4.64 < 10.00 < 4.00 < 10.000 > 8.3 < 20.00 Result < 10.00 10265 ď Total (as Phenolics, Low Range Cyanide Total (HACH Mercury, low level Nitrate Nitrogen Parameter Nitrite Nitrogen Phosphorus, Molybdenum Beryllium Chromium Selenium Thallium Antimony Arsenic Cadmium Silver Copper Nickel Zinc Lead NTR ACZ DWC DWC NTR UFT JFT JET CFT CFT CFT CFT GFT THO L F Time By Analysis 1736 1736 1736 1615 1130 1030 0430 8060 1736 1736 1736 1736 0515 1736 1736 1736 1736 1736 1736 11/09 11/01 11/03 11/03 Date 11/03 10/31 11/03 10/27 11/03 11/03 11/03 11/03 11/03 11/02 11/01 11/03 11/03 11/03

* QA data shown is from a different sample or standard on the same date.

where applicable for Quality Assurance purposes. equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136, Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appl Quality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

12

Signature

Environmental Services Co., Inc.

Inc. Environmental Services Company,

13715 West Markham Corporate Office

Springdale, AR 72762 (479)750-1170 Fax (479)750-1172 Northwest Arkansas Branch 1107 Century Avenue

> Little Rock, AR 72211 11)221-2565 Fax (501)221-1341 (501)221-2565

: 10/26/22 Sample Date

: 0915

Sample Time

Tel.

Collected By: BRYAN CROFT/KAY Delivery By: NTR Work Order:

> Customer Name : NORTH LITTLE ROCK-WHITE OAK EFF Customer/Permit No. : 2451 / AR00038288 Report Date : 11/15/22

Control Number: 2210010400

: EQUIPMENT BLANK : GRAB WWATER Sample Type Sample From

Purchase Order:

Laboratory Analysis Result Mercury, low level Parameter Date Time By 11/09 1615 ACZ Analysis

Quantity Notes < 0.300 ng/L

Method EPA 1631E

% Recovery 107.0 *

Accuracy

Precision

% RPD

Quality Assurance

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. where applicable for Quality Assurance purposes. Analysis time indicates the time of A minimum of 10% spiked and duplicate samples is run on each parameter where appiquality Assurance Plan on file with Arkansas Department of Environmental Quality. the start of the analytical batch in which the specific sample was included.

Signature Environmental Services Co., Inc.

Revised 04-15-2019

Env mental Services Company, Inc.

Corporate Office rkham P.O. Box 55146

Little Rock, AR 72215 Little Rock, AR 72211 13715 West Markham

website: www.esclabs.com : 501-221-2565 Fax: 501-221-1341 Phone: 501-221-2565

CHAIN OF CUSTODY

Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372

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Ö	Client Information				P	olect Inf	Project Information				Rogination		, 0 000	
Client:	North Little Rock WWU/White	NWU/White	e Oak	Permit/Project #:	1								ם מות מות מות מות מות מות מות מות מות מות	2
Address:	P.O. Box 17898			Purchase Order #	Order#	000127	E			_				
	North Little Rock, AR 72117	AR 72117		Work Order #	er#	200				_				
Phone:	501-945-7186			Sampler Name(s);	lame(s):	8000	C. A.D.					(
Fax:	501-945-2367					Kill	1				(-6	ents)		
Contact:	Ms. Marybeth Eggleston	leston		and Signature(s):	ture(s):	0						ww	(
ESC Client Number: 24	2451 Effluent Quarterly	ırly				11/1	*				-	၁၃ ခ	16.3	
Sample Identification	fication		Sample	Collection		1	Sample (Sample Containers		3) əpi	2) elo 18.),	eS) s	1.)(ir	
Identification	ESC Control #	Date	Time	Type	Matrix	Туре	Volume	Preservative	tive #	_	\rightarrow	letəl	Merci Merci	
DOE WAY MAR W 22	2210010399	10/26120	CAIS	Grab	Wwater	Plastic	8 oz	NaOH	1		1	y	┵	I
LYSE WIRE MUR-OH 10	1	10/26/20	0915	Grab	Wwater	Glass	1 Liter	CuSO4+H2SO4	1	\vdash	×			I
205 12TR MCR 04 20		10/26/190	5915	Grab	Wwater	Plastic	8 02	HZSO4	1		×			L
DDE LITE ME POY 20		10/16/100	515	Grab	Wwater	Plastic	8 oz	Cool = 6° C	1		-		×	
LIDE WITH MER OH 29		10/26/30	2815	Composite	Wwater	Plastic	8 02	HNO3 to pH	122		-	×		I
8	+	10/26/22	0915	Composite	Wwater	Glass	250 ml	Cool ≤ 6° C	1				×	
Equipment Blank	2210010 400	10/2/12	CRIS	Grab	Wwater	Glass	250 ml	Cool ≤ 6° C	7				×	I
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Reinquished By: (Stanature and Printed Ne	ame	G		ľ										
Bryon Carl Bryon	200	10/26/22	(100	6 7	South of the State	Name S.	4	Date 10-26-32	Time ///	Custody Seals:	Seals:			T,
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Cool all samples to glo degrees C with Ice.	C with ibe.	10 242	ets	Age Collus	CAMPA NORCE JOHNSON	Jahnjan	2		12	Were sam Yes	Were samples properly preserved Yes No	репу рг	sserved: No	
Comments:					- A	1	Field Test	Time	Anaiyst	Result	Result		Units	Γ
Be(4.PS), Ni(28.PS), Cu(29.PS, 4	Ae(33 DS) Ac(47 DS)				Analyst: Time:						\perp	H		П
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End Wate + Time: 10/26/22 at 0915	10/25/22 040 126/22 0400	6.55 5		Pur										1
r .														

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT REPORTING YEAR: January 1, 2021 TO December 31, 2021 TREATMENT PLANT: Maumelle NPDES PERMIT # AR0033626 AVERAGE POTW INF. FLOW: 2.096 MGD % IU FLOW: 6.92 %

ALYSIS	Detection Level	Achieved (u9/l)	(,,9.1)	20	.141	٥ţ	٨ċ	500.	\$;	5	1.	20	1	10	s,	10	ĸ٥	s.	\$:				
LABORATORY ANALYSIS	EPA Method	Used (1)	E .	200.8	200.8	200.8	200.8	1631E	200.8	200.8	200.8	200.8	200.8	SM 18 th 4500-CN E	200.8	200.8	420.1	200.8	200.8				
LAE	EPA MQL	(hg/l)	Ξ	09	0.5	0.5	0.5	.005	0.5	5	0.5	20	10	10	6.5	:	\$	0.5	6.5				
9		Date	10/27/21	<10	<20	<20	<10	.001380	<20	<15	<120	96.07	<20	<10	<10	<50	7	<\$0	<50				
ES SAMPLE	aarter	Date	8/10/21	10.62	<20	<20	21.62	.005420	<20	<15	<120	123.34	<20	<10	<10	<\$0	\$	<\$0	<\$0				
EFFLUENT DATES SAMPLED (μg/l)	Once/quarter	Date	5/5/21	<10	<20	<20	<10	.002940	<20	<15	<120	137	<20	<10	<10	<50	\$	<50	<50				
EFF		Date	2/2/21	9.65	1312.9	96.9>	1043.75	.004040	<6.37	14.93	6.2	42.42	<5.97	<10	<7.03	18.23	11	<3.6960	4>				
MQ.	leve]/ limit (µg/l)	¥)		N/A	35	150	120	.3	5540	138	41	970	7230	150	2480	N/A	N/A	N/A	N/A	N/A			
		Date	10/27/21	01,	<10	0.79	63.0	\$	31.0	<15	<120	22.8	<20	<10	<10	<\$0	200	<\$0	<50				
INFLUENT DATES SAMPLED (48/1)	uarter	Date	8/10/21	<10	<20	70.5	27.3	\$	<20	<15	<120	276.6	<20	<10	<10	<50	100	<\$0	<\$0				
FLUENT DATES	Once/quarter	Date	5/5/21	<10	<20	23.6	12.8	<2 <2	23.6	<15	<120	198.2	<20	<10	<10	<\$0	120	<50	<\$0				
Z Z		Date	2/2/21	9.01	<6.4	37.4	1043.7	7	45.9	15.3	7	147.1	9>	<34	V	20.6	150	4>	4>				
MAHC	(Total) (µg/l)			N/A	10	376	83	1	77	2	108	789	638	322.7	13	72	N/A	N/A	N/A	N/A			
METALS,	CYANIDE and PHENOLS			Antimony	Cadmium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Chromium	Cyanide	Arsenic	Molybdenum	Phenols	Beryllium	Thallium	Flow, MGD	(3)		



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

January 19, 2022

Permit Number: 2024080213

CERTIFIED MAIL: 7018 0680 0000 3868 2962

Blue Beacon of Little Rock Attn: Jonathan Burgess 3210 Hwy. 391

North Little Rock, AR 72117

Blue Beacon is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the month of December 2021 for the following reason:

TSS OVER PERMIT LIMITS OF 2500.0mg/L - (12/15/21) 6800.0mg/L

Please respond in writing within 15 days to this office with an assessment of cause and corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor

Cc:

Tina Price

Director, Environmental Compliance

January 31, 2022

Mr. Ed. Toland Pretreatment Supervisor 7400 Baucum Pike P. O. Box 17898 N. Little Rock, AR 72117-0898

RE:

Blue Beacon Truck Wash of Little Rock

December 2021 TSS - N.O.V. – 15-day response

Permit Number 2024080213

Mr. Toland,

This letter is in response to the N.O.V. letter dated January 19, 2022, from the City, as attached.

In response to the lab's TSS result of 6800.0 mg/L (permit limit of 2500.0 mg/L), for sample date December 15, 2021. Blue Beacon suspect's cleaning of the pits the day before sampling is the source of this exceedance. I have instructed the truck wash personnel to clean the sample station weekly and after every pit cleaning.

If you have any questions or concerns, please feel free to call me at 501-945-7023 or Tina Price, Director of Environmental Compliance at 785-825-2221.

Sincerely

Jonathan Burgess

General Manager

CC: Tina Price – Director of Environmental Compliance – Blue Beacon

Charles Nolan - Field Representative - Blue Beacon





NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

August 16, 2021

Permit Number: 2024080213

CERTIFIED MAIL: 7018 0680 0000 3868 2665

Blue Beacon of Little Rock Attn: Jonathan Burgess 3210 Hwy. 391 North Little Rock, AR 72117

Blue Beacon is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the month of July 2021 for the following reason:

FOG OVER PERMIT LIMITS OF 200.0mg/L - self-monitoring (7/1/21) 352.7mg/L

Please respond in writing within 15 days to this office with an assessment of cause and corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor

Cc: Tina Price

Director, Environmental Compliance

August 24, 2021

Mr. Ed Toland Pretreatment Supervisor 7400 Baucum Pike P.O. Box 17898 N. Little Rock, AR 72117-0898

Re:

Blue Beacon Truck Wash of Little Rock

July 2021 Oil & Grease N.O.V 15 -day Response

Permit Number 2024080213

Mr. Toland,

This letter is in response to the N.O.V. letter dated 8/16/21, from the City, as attached. Please note all lab reports were previously submitted.

In response to the lab's Oil & Grease result of 352.7 mg/L (permit limit 200.0 mg/L), for sample date of 07/01/21, as initially reported, we suspect contamination as we have no source for such an anomaly. As nothing out of the ordinary appears to have occurred, we did clean the sample area and re-sampled for Oil & Grease on 07/23/21. The resample yielded a result of 61.90 mg/L, as reported on the July 2021 DMR. The City samples to date have also been well within permit limits.

If you have any questions or concerns please feel free to call me at 501-945-7023 or Tina Price, Environmental Compliance Senior Manager at 785-825-2221.

Sincerely,

Jonathan Burgess

General Manager

cc: Tina Price – Environmental Compliance Senior Manager Blue Beacon

Charles Nolan - Field Representative Blue Beacon





NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

July 19, 2021

Permit Number: 2024080219

CERTIFIED MAIL: 7007 0710 0000 0749 7492

J B Hunt Transport Attn: Ronald Watson 2901 Hwy 161 North North Little Rock, AR 72117

J B Hunt is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the month of June 2021 for the following reason:

FOG OVER PERMIT LIMITS OF 200.0mg/L - (6/22/21) 759.4mg/L

Please respond in writing within 15 days to this office with an assessment of cause and corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor



July 22, 2021

Permit Number 2024080219

North Little Rock Waste Water Attn: Ed Toland P.O. Box 17898 7400 Baucum Pike North Little Rock, Ar. 72117

We had an issue where the oil gun valve was accidently bumped and turned on. A tech turned the meter box on not knowing the valve was on and it pumped oil into the shop drain. When we learned of the incident we washed out the drains and I called ASI out to vacuum out the sumps

J.B. Hunt Transport

Ronald Watson Shop Foreman



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

October 19, 2021

Permit Number: 2024080219

CERTIFIED MAIL: 7018 0680 0000 3868 2955

J B Hunt Transport Attn: Ronald Watson 2901 Hwy 161 North North Little Rock, AR 72117

J B Hunt Transport is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the month of September 2021 for the following reason:

FOG OVER PERMIT LIMITS OF 200.0mg/L - self-monitoring (9/2/21) 922.1mg/L

Please respond in writing within 15 days to this office with an assessment of cause and corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Doland

Ed Toland

Pretreatment Supervisor



Oct. 22, 2021

Permit Number 2024080219

North Little Rock Waste Water Attn: Ed Toland P.O. Box 17898 7400 Baucum Pike North Little Rock, Ar. 72117

We had a previous issue with oil in our waste water sumps we may not have gotten them cleaned good enough and had some residual oil still in the system.

Ronnie Watson

J.B. Hunt Transport

Ronald Watson Shop Foreman



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

July 19, 2021

Permit Number: 2024080223

CERTIFIED MAIL: 7007 0710 0000 0749 7485

Maverick Transportation, LLC Attn: Debbie Mitchell P.O. Box 15428

Little Rock, AR 72231

Maverick Transportation is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the month of June 2021 for the following reason:

TSS OVER PERMIT LIMITS OF 2500.0mg/L – self-monitoring (6/3/21) 3640.0mg/L. FOG OVER PERMIT LIMITS OF 200.0mg/L – self-monitoring (6/3/21) 432.4mg/L

Please respond in writing within 15 days to this office with an assessment of cause and corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor



July 21 2021

RECEIVED

JUL 27 2021

NLR WASTEWATER

North Little Rock Waste Water Utility P.O. Box 17898 North Little Rock, AR 72117-0898

REF:

Permit Number: 2024080223

Notice of Noncompliance Letter

sent July 19 2021

Attn: Ed Toland

Response:

Maverick Transportation, LLC

Problem:

TSS over permit of 2500.mg/L (self-monitoring) – (06/03/21) 3640.0mg/L

FOG over permit of 200.0mg/L (self-monitoring)-06/03/21) 432.4 mg/l

Reason:

Sumps and Sump Skimmers required cleaning due to higher than normal volume in

the truck wash.

Solution:

We are working with Badger Daylighting to have them vacuum/clean sumps and

replace all sump skimmers.

We have increased the quantity of sump skimmers and also changed our washing

procedures.

If you should need additional information, contact Justin Williams at 501-955-1451

Maverick Transportation LLC

Debbie Mitchell

Executive Vice President/CFO



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

April 19, 2021

Permit Number: 2024080214

CERTIFIED MAIL: 7007 0710 0000 0749 7478

Bruce Oakley Inc. Attn: Toby Bishop P.O. Box 17880

North Little Rock, AR 72117

Oakley Inc. is hereby notified that they are in noncompliance with Wastewater Discharge Permit listed above for the month of March, 2021 for the following reason:

TSS OVER PERMIT LIMITS OF 2500.0mg/L - (3/11/21) 4919.4mg/L.

Please respond in writing within 15 days to this office with a corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor

To whom,

Oakley Inc has been notified of noncompliance with Wastewater Discharge Permit over limits during the month of March 2021. We are confident that the TSS Over Permit Limits of 4919.4mg/L was due to our wash facilities monthly maintenance cleaning of traps and pits. Our crew failed to close outflow valves before beginning cleanup. We have made adjustments to our JSA and cleaning procedure to help prevent this in the future.

Best Regards,

Toby Bishop

Tibel



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

June 15, 2022

Permit Number: 2024080228

CERTIFIED MAIL: 7006 0100 0003 3756 5525

Union Pacific Railroad Attn: Cassidy Meis 1000 W. 4th St. North Little Rock, AR 72114

Union Pacific Railroad is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the period of May 2022 for the following reason:

FAILURE TO SUBMIT BIOCHEMICAL OXYGEN DEMAND (B.O.D.) ANALYSIS FOR MAY-2022. (Submitted invalid B.O.D. analysis, exceeded EPA holding time.)

Respond within 15 days to this office an assessment of cause and as to the corrective action taken. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor



June 28, 2022

Ed Toland
Pretreatment Supervisor
North Little Rock Wastewater
7400 Baucum Pike
North Little Rock, AR 72117

RE: UPRR North Little Rock IWTP 6/15/2022 Notice of Violation

Mr. Toland:

In May of 2022, Union Pacific Railroad (UPRR) allegedly failed to submit a valid Biochemical Oxygen Demand (B.O.D.) analysis within EPA holding time of 48 hours. UPRR sent these samples standard overnight via FedEx on May 11, 2022 and the samples arrived on May 12, 2022. Note also that the Utility took samples at the UPRR NLR discharge point on May 5, 2022 and May 12, 2022 and each of those samples complied for B.O.D. effluent limits.

UPRR fully investigated the sample delays noted above and has done the following to ensure that this will not happen again. UPRR will send out all samples on the day they were taken, change the standard overnight shipping to priority overnight and requested follow-up emails for out of time samples. UPRR is also exploring local laboratories that could perform this analysis that will not have shipping requirements.

UPRR already implemented these corrective actions for future samplings. Please contact me if there are any questions regarding this NOV.

Regards,

Cassidy Meis



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

April 15, 2022

Permit # 2024080228

Cert # 7018 0680 0000 3868 3099

Union Pacific Railroad Attn: Cassidy Meis 1000 W. 4th St. North Little Rock, AR 72114

Union Pacific Railroad is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the period of March 2022 for the following reason:

EXCEEDED DISCHARGE FLOW MAXIMUMS OF 350 GPM - 3/22/2022 491 GPM.

Respond within 15 days to this office an assessment of cause and as to the corrective action taken. Further non-compliance will cause additional enforcement actions. If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor

Company Name: Union Pacific Railroad

Sic Number: 4011

Classification: Railroad, Line-Hauling Operation

Permit number: 2024080228

SECTION 4 - EFFLUENT LIMITATIONS

This Permittee/User is authorized to discharge process wastewater to the North Little Rock Wastewater Sewer System from the outfall listed below:

Description and location of permitted discharge outfall: Monitoring/Sampling Point is the parshall flume located next to the sampling station at the wastewater treatment plant on the corner of Pike AV. & W. Broadway.

During the duration of this permit the discharge from the outfall shall not exceed the following effluent limitations. In addition, the discharge shall comply with all other applicable Federal, State and Local Pretreatment Standards or Requirements.

PARAMETER MAXIMUMS

(REVISED: EFFECTIVE DATE; JULY 20, 2021)

Discharge Flow Maximums 325,000 gallons per day (GPD)

350 gallons per minute (GPM)

PARAMETER	MAXIMUMS
pН	5.0 - 11.0
Temperature	65 C
BOD5	2500.0 mg/L
TSS	2500.0 mg/L
O&G	$200.0~\mathrm{mg/L}$
Arsenic	Report
Cadmium	Report
Chromium	Report
Copper	Report
Lead	Report
Mercury	Report
Nickel	Report
Silver	Report
Thallium	Report
Zinc	Report
	*



5/2/22

Ed Toland
Pretreatment Supervisor
North Little Rock Wastewater
7400 Baucum Pike
North Little Rock, AR 72117

RE: UPRR North Little Rock IWTP Notice of Violation

Mr. Toland:

On March 22, 2022, North Little Rock, AR experienced an extremely large storm event that dumped approximately 3 inches in the afternoon. The excessive amount of rainwater flooded our system and may have caused a valve failure in our secondary containment pond at the Union Pacific Railroad Industrial Wastewater Treatment Plant (UPRR IWTP). This event caused a surge in our gallons per minute (GMP) with a known high of 491 GPM. Our daily limit was not exceeded with a final discharge of 324,906 gallons per day. By approximately 4 pm on March 22, we contained the pond overflow and no longer discharged. At that time, we returned to our GPM limit of 325.

On March 23,2022, during a phone call between yourself and I, the North Little Rock Wastewater Utility verbally approved processing the pond water through the UPRR IWTP and discharging to the City . UPRR will not exceed its permitted limits with this discharge, and the water will go through our normal treatment process. This will decrease the risk associated with a future pond overflow from unforeseen weather events.

On April 15, 2022, the North Little Rock Wastewater Utility sent a Notice of Violation for the flow exceedance described above from the UPRR notification letter sent on March 25, 2022. UPRR has continued to keep the pond at a maintainable level to ensure that the chance of the pond overflowing is extremely unlikely and will follow weather patterns associated with current discharge practices. All corrective actions have taken place and will continue until further notice.

Please contact me with any questions or concerns regarding this incident.

Regards,

Cassidy Meis

F 402-271-5570 E cmeis@up.com



NORTH LITTLE ROCK WASTE WATER UTILITY

NOTICE OF VIOLATION

February 16, 2022

Permit Number: 2024080221

CERTIFIED MAIL: 7018 0680 0000 3868 3235

Koppers Inc. Attn: Chris Martin P.O. Box 15490 Little Rock, AR 72231

Koppers Inc. is hereby notified that they are in noncompliance with the Wastewater Discharge Permit listed above for the month of January 2022 for the following reason:

FOG OVER PERMIT LIMITS OF 100.0mg/L - (1/19/22) 123.0mg/L

Please respond in writing within 15 days to this office with an assessment of cause and corrective action plan. Further non-compliance will cause additional enforcement actions.

If you should need additional information, contact me or a member of my staff at (501) 945-7186.

NORTH LITTLE ROCK WASTEWATER UTILITY

Ed Toland

Pretreatment Supervisor



March 2, 2022

Koppers Inc.
Railroad Products and Services
P. O. Box 15490
North Little Rock, AR 72231-5490
Tel 501 945 6414
Fax 501 955 9574
martincm@koppers.com
www.koppers.com

Ms. Beth Caipen
Pretreatment Clerk
City of North Little Rock Waste-Water Utility
7400 Baucum Pike
P.O. Box 17898
North Little Rock, AR 72117

RE: Koppers Inc. Permit Number 2024080221 - Notice of Violation 1/29/2022 Report

Dear Ms. Caipen,

We received your *NOTICE OF VIOLATION* letter dated February 16, 2022, concerning the NLRWU sample collected on January 19, 2022, yielding results over the FOG permit limits. Please find our response to this letter below:

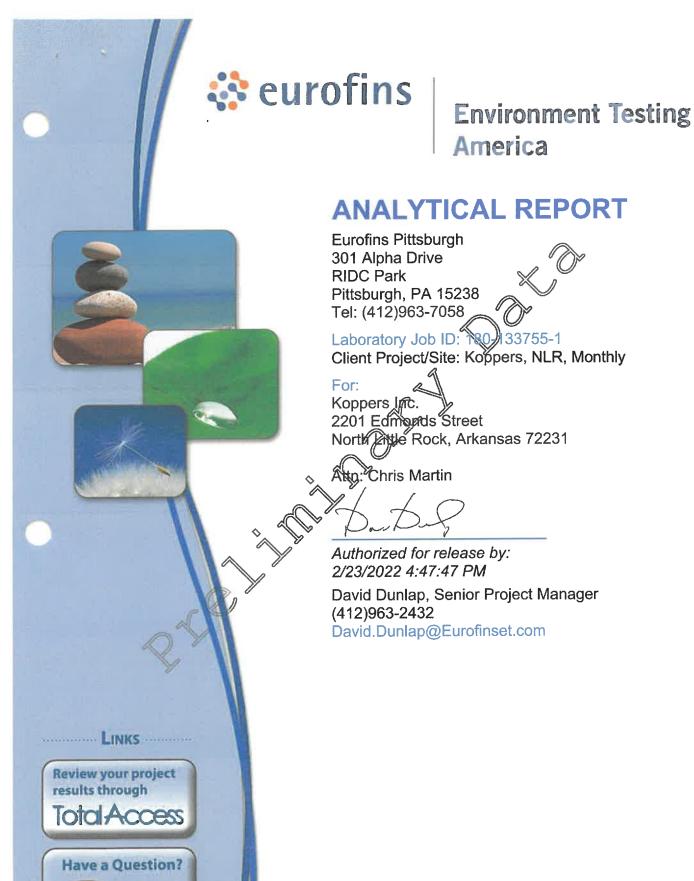
We believe the increase in observed FOG concentrations were associated with a steam leak within our oil/water separator, resulting in agitation, and leading to increased FOG concentrations within the effluent. The aforementioned leak was repaired in late January 2022. Since completion of the repair, Koppers has conducted sampling on February 15, 2022, for our discharge monitoring report (DMR) for the month of February 2022. While the laboratory report from the February 15, 2022, sampling is still preliminary, a result of 28.1 mg/L HEM (Oil & Grease) was observed. This preliminary report is included as an attachment to this letter. Please note, the finalized version of this report, including remaining analytes sampled, and corresponding results, will be included in the Koppers DMR for the month of February 2022. The DMR is scheduled to be delivered to NLRWU on or before March 15, 2022.

If you require additional information, please contact Chris Martin at (501) 945-6414.

Sincerely,

Chris Martin Plant Manager Koppers Inc.

Attachment: Eurofins Analytical Report



This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416

Ask-

Visit us at:

www.eurofinsus.com/Env

Expert

Client: Koppers Inc. Project/Site: Koppers, NLR, Monthly

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Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Job ID: 180-133755-1

Client Sample ID: WW GRAB

Lab Sample ID: 180-133755-2

Action Limits

Results have been compared against the following action or regulatory limits. Any results or detection limits which exceed the limit are highlighted in bold.

				Daily Max.			
Analyte	Result	Qualifier	Unit	Limit	RL	Method	Prep Type
HEM (Oil & Grease)	28.1	F1	mg/L	100	4.2	1664A	Total/NA



Eurofins Pittsburgh

Definitions/Glossary

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Job ID: 180-133755-1

Qualifiers

General Chemistry

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the paporting light (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation/Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

40

14

Accreditation/Certification Summary

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Job ID: 180-133755-1

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0689	09-01-22



Page 5 of 14

Sample Summary

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Job ID: 180-133755-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 180-133755-2
 WW GRAB
 Water
 02/15/22 11:40
 02/16/22 09:45

Eurofins Pittsburgh 2/23/2022

Method Summary

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Job ID: 180-133755-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	TAL PEN
1664A	HEM and SGT-HEM (Aqueous)	1664A	TAL PEN

Protocol References:

1664A = EPA-821-98-002

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

(850)474-1001

Eurofins Pittsburgh

Lab Chronicle

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Lab Sample ID: 180-133755-2

Matrix: Water

Job ID: 180-133755-1

Client Sample ID: WW GRAB

Date Collected: 02/15/22 11:40 Date Received: 02/16/22 09:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			961 mL	1000 mL	567211	02/21/22 09:02	ARE	TAL PEN
Total/NA	Analysis	1664A		1			567296	02/21/22 13:53	ARE	TAL PEN
	Instrumen	t ID: J.T. Baker 1&2								

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Analyst References:

Lab: TAL PEN

Batch Type: Prep

ARE = Andrew Ellett

Batch Type: Analysis

ARE = Andrew Ellett

2/23/2022









Client Sample Results

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Lab Sample ID: 180-133755-2

Matrix: Water

Job ID: 180-133755-1

Client Sample ID: WW GRAB

Date Collected: 02/15/22 11:40 Date Received: 02/16/22 09:45

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	28.1	F1	4.2	1.5	mg/L		02/21/22 09:02	02/21/22 13:53	1

QC Sample Results

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Lab Sample ID: MB 400-567211/1-A

Method: 1664A - HEM and SGT-HEM

Client Sample ID: Method Blank

Sample ID: Lab Control Sample

%Rec.

Limits

Prep Type: Total/NA Prep Batch: 567211

Prep Type: Total/NA

Prep Batch: 567211

Job ID: 180-133755-1

MB MB RL MDL Unit **Prepared Analyzed** Dil Fac Result Qualifier Analyte 4.0 1.4 mg/L 02/21/22 09:01 02/21/22 13:53 ND HEM (Oil & Grease)

Lab Sample ID: LCS 400-567211/2-A

Lab Sample ID: LCSD 400-567211/3-A

Matrix: Water

Matrix: Water

Matrix: Water

Analysis Batch: 567296

Analysis Batch: 567296

Analyte HEM (Oil & Grease)

Analysis Batch: 567296

Spike Added 41.9

Spike /

Added

LCS LCS

LCSD LCSD

Result Qualifier

Result Qualifier 33.30

Unit

Unit

mg/L

%Rec

D %Rec

93

78 - 114

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 567211 %Rec. **RPD**

RPD Limit Limits 15 18 78 - 114

Lab Sample ID: 180-133755-2 MS

Matrix: Water

HEM (Oil & Grease)

HEM (Oil & Grease)

Analysis Batch: 567296

Analyte

Sample Sample Result Qualifier 28.1 Fy

Spike Added 108

MS MS Result Qualifier 66.18 F1

38.80

Unit mg/L

%Rec. %Rec Limits 78 - 114

Client Sample ID: WW GRAB Prep Type: Total/NA **Prep Batch: 567211**

Eurofins Pittsburgh

2/23/2022



QC Association Summary

Client: Koppers Inc.

Project/Site: Koppers, NLR, Monthly

Job ID: 180-133755-1

General Chemistry

Prep Batch: 567211

Lab Sample ID 180-133755-2	Client Sample ID WW GRAB	Prep Type Total/NA	Matrix Water	Method 1664A	Prep Batch
MB 400-567211/1-A	Method Blank	Total/NA	Water	1664A	
LCS 400-567211/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 400-567211/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
180-133755-2 MS	WW GRAB	Total/NA	Water	1664A	

Analysis Batch: 567296

Lab Sample ID	Client Sample ID	Prep Type	Mateix	Method	Prep Batch
180-133755-2	WW GRAB	Total/NA /	Water	1664A	567211
MB 400-567211/1-A	Method Blank	Total/NA	Water	1664A	567211
LCS 400-567211/2-A	Lab Control Sample	Total/NA))	Water	1664A	567211
LCSD 400-567211/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	567211
180-133755-2 MS	WW GRAB	Total/NA	Water	1664A	567211
100-100100-2100	WW Class	9			
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Eurofins Pittsburgh

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Company Name:	N and a second					Ī					2000	Г
Address:	Katie Ottaviani / John Flaheny		Chris Martin			0	Lab Contact: David Dunlap	unlap			For lab use only	
1005 William Pitt Way	Telephone:		Telephone:		9	9	Telephone:	ne:				П
City/State/Zip:	412-826-3982 / 512-529-7680		501-945-6414	The state of the s		7	412-963-2432	75432	Ameliana		1 of 1 COCs	\Box
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412-826-3978	john.flahertv@solutions-by-ces.com	.com	TAT if different from below	wolan	2		-(85	_			Walk-in client	
Project Name: NLR Wastewater February/August				2 Marks			eere	-			I sh samuline	
Permit#:	Method of Shipment/Carrier:		12.1	7 work days	_) 3 E				9	
PO#	Shipping/Tracking No:		- L	S feet 7	_	-		_			Job/SDG No:	
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Sample Identification	Sample Date Sample Time	Air Aqueous Sediment Solid Other:	HCI HO3 H3204	ZaAol Unpres Others	Filtered Compo	SM 521	SM 254	(FOG)			Sample Specific Notes / Special Instructions:	
WW Composite	2/15/22 10:54	×	6	ю	z	×	×	×			METALS 200.8 : As,Cd, Cr, Cu, Pb, Ni, Ag, Ti, Zn 245.1: Hg	
WW Grab	0h:11 21/5	×	m		Z		+	×			Field ph/Temp (°C)	
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Remarks:



CHAIN OF CUSTODY

Page 13 of 14

North Little Rock Wastewater Utility P.O.BOX 17898 N.L.R, AR. 72117-0898 (501) 945-7186 Fax: (501) 945-2367 Sample Collection & Preservation Methods taken from 40CFR:PART 136

SAMPLING SITE / LOCATION: KOPPERS



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S - H2SO4 T - TSP Dodecahydrate (2.5 ml spike solution) based on sample logged in MS must be spiked at 100 mg/L. (2.5 ml spike solution) based on sample Note: Since isboratory accreditations are subject to change, Euroffins Pittsburgh places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample under chain-of-custody. If the laboratory does not currently amendate must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh. logged in MS must be spiked at 100 mg/l. Special Instructions/Note: Z - other (specify) O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 V - MCAA W - pH 4-5 Months U - Acetone Company Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Preservation Codes; H - Ascorbic Acid 180-455134,1 180-133755-1 A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor Page 1 of 1 I - Ice J - Di Water K-EDTA L-EDA Total Number of containers 3 Date/Time: Date/Time: Method of Shipment; Carrier Tracking No(s): State of Origin: Arkansas Analysis Requested Cooler Temperature(s) ^qC and Other Remarks Special Instructions/QC Requirements: Accreditations Required (See note): State Program - Arkansas DEQ E-Mail: David.Dunlap@Eurofinset.com Received by: Received by: Lab PM: Dunlap, David A SECANTIES P.W HEM (OII & Gresse) × × Perform MS/MSD (Yes or No) Sample (Yes or No) Company BT-Thrue, A-Air Preservation Code: Water Water Matrix Company (C=comp, G=grab) Sample Type ωS 200 Primary Deliverable Rank: 2 Sample Central 11:40 Central Time 11:40 Date: 7.2 TAT Requested (days): Due Date Requested: 2/24/2022 Sample Date 2/15/22 2/15/22 Project #: 18014049 Date/Time: # OM ě Deliverable Requested: I, II, III, IV, Other (specify) Client Information (Sub Contract Lab) Custody Seal No. Sample Identification - Client ID (Lab ID) Eurofins Environment Testing Southeast, 850-474-1001(Tel) 850-478-2671(Fax) Possible Hazard Identification WW GRAB (180-133755-2MS) WW GRAB (180-13:3755-2) Empty Kit Relinquished by: Custody Seals Intact: 3355 McLemore Drive, Project Name: Koppers, NLR, Monthly Shipping/Receiving elinquished by Unconfirmed elinquished by: elinquished by: State, Zip: FL, 32514 Client Contact Pensacola

Environment Testing

💸 eurofins

Chain of Custody Record

Phone: 412-963-7058 Fax: 412-963-2468

ftsburgh

Eurofir

301 Alpha Drive RIDC Park

Pittsburgh, PA 15238