Clinton Water & Sewer East Plant

Annual Report Permit AR0048836 & 5130-WR-2 January 2021 – December 2021



Environmental Services Company, Inc.

Corporate Office <u>13715 West Markham</u> <u>Little Rock, Arkansas 72211</u> <u>501-221-2565 (p)</u> <u>501-221-1341 (f)</u> <u>www.esclabs.com</u> Carlsbad, New Mexico 575-887-7372 (7ESC) Albuquerque, New Mexico 888-372-3477 Springdale, Arkansas 479-750-1170

Clinton Water and Sewer Department Clinton, AR East WWTP - AR0048836 Irrigation Water Calendar Year 2021

			2021 Appli	ication Data		Total
	Annual	Million	Number	Gallons	Pounds	Application
Parameter	Concentration	Gallons/	of	per	per	Since 2003
	(mg/L)	Year	Acres	Acre-Year	Acre	Pounds/Acre
Total Kjeldahl Nitrogen	9.7250	68.112	2283.19	29,831.9	2.421	643.17
Ammonia Nitrogen	3.8400	68.112	2283.19	29,831.9	0.956	154.38
Nitrate + Nitrite Nitrogen	3.4650	68.112	2283.19	29,831.9	0.863	111.54
BOD-5	12.1750	68.112	2283.19	29,831.9	3.031	1,053.82
Arsenic	< 0.0075	68.112	2283.19	29,831.9	0.002	0.49
Cadmium	< 0.0150	68.112	2283.19	29,831.9	0.004	0.23
Copper	< 0.0150	68.112	2283.19	29,831.9	0.004	0.28
Lead	< 0.0075	68.112	2283.19	29,831.9	0.002	0.60
Mercury	< 0.0025	68.112	2283.19	29,831.9	0.001	0.09
Selenium	< 0.0113	68.112	2283.19	29,831.9	0.003	0.70
Zinc	< 0.0375	68.112	2283.19	29,831.9	0.009	4.44
Conductivity, minimum (mhos/cm)*	138.00					
Conductivity, maximum (mhos/cm)*	188.00					
pH, minimum (SU)*	7.30					
pH, maximum (SU)*	8.40					
Nitrogen Application Rate (lbs N/acre/year)	3.28					

*Current year values

Crop Grown: Bermuda Hay

Sample ID	Clinton East	40.24 LA PB 3						
Control Number	2103010415							
	15	t Quarter	2n	d Quarter	3rc	l Quarter	4t1	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/19/21	718.350						
Ammonia Nitrogen	03/19/21	0.1800						
PAN	03/19/21	13.10						
Phosphorous	03/19/21	1.9745						
Potassium	03/19/21	743.67						
Arsenic	03/19/21	6.632						
Cadmium	03/19/21	< 0.017						
Copper	03/19/21	7.359						
Lead	03/19/21	15.942						
Magnesium	03/19/21	799.24						
Mercury	03/19/21	0.0800						
Nickel	03/19/21	18.889						
Zinc	03/19/21	7.359						
Conductivity (mhos/cm)	03/19/21	213.6459						
pH (SU)	03/19/21	6.40						

Sample ID	Clinton East	40.24 LA PB 30						
Control Number	2103010416							
	1s	t Quarter	2nc	d Quarter	3rc	l Quarter	41	n Quarter
	Sample	Analytical	Sample			Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Sample Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/19/21	75.810						
Ammonia Nitrogen	03/19/21	0.3120						
PAN	03/19/21	23.80						
Phosphorous	03/19/21	1.1125						
Potassium	03/19/21	1146.90						
Arsenic	03/19/21	12.436						
Cadmium	03/19/21	< 0.047						
Copper	03/19/21	20.893						
Lead	03/19/21	24.773						
Magnesium	03/19/21	1745.20						
Mercury	03/19/21	0.1530						
Nickel	03/19/21	31.567						
Zinc	03/19/21	114.311						
Conductivity (mhos/cm)	03/19/21	299.7150						
pH (SU)	03/19/21	6.90						

Sample ID	Clinton East	55.57 LA PB 10						
Control Number	2103010417							
	1s	t Quarter	2n	d Quarter	3rc	l Quarter	41	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/19/21	176.080						
Ammonia Nitrogen	03/19/21	0.4100						
PAN	03/19/21	8.11						
Phosphorous	03/19/21	0.5872						
Potassium	03/19/21	458.23						
Arsenic	03/19/21	3.628						
Cadmium	03/19/21	< 0.024						
Copper	03/19/21	5.095						
Lead	03/19/21	9.206						
Magnesium	03/19/21	589.61						
Mercury	03/19/21	< 0.0450						
Nickel	03/19/21	9.919						
Zinc	03/19/21	28.706						
Conductivity (mhos/cm)	03/19/21	221.7245						
pH (SU)	03/19/21	6.80						

Sample ID	Clinton East	55.57 LA PB 3						
Control Number	2103010418							
	1s	t Quarter	2ne	d Quarter	3rc	l Quarter	4th	1 Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/19/21	202.960						
Ammonia Nitrogen	03/19/21	0.6620						
PAN	03/19/21	7.21						
Phosphorous	03/19/21	2.3153						
Potassium	03/19/21	526.50						
Arsenic	03/19/21	4.459						
Cadmium	03/19/21	<0.028						
Copper	03/19/21	5.939						
Lead	03/19/21	9.530						
Magnesium	03/19/21	752.59						
Mercury	03/19/21	< 0.0310						
Nickel	03/19/21	13.158						
Zinc	03/19/21	39.203						
Conductivity (mhos/cm)	03/19/21	199.6038						
pH (SU)	03/19/21	6.90						

Sample ID	Clinton East	55.57 LA PB 30							
Control Number	2103010419								
								-	
	1s	t Quarter	2ne	d Quarter	3rc	l Quarter	4th Quarter		
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical	
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	
Nitrate Nitrogen	03/19/21	291.360							
Ammonia Nitrogen	03/19/21	0.1960							
PAN	03/19/21	8.56							
Phosphorous	03/19/21	1.4577							
Potassium	03/19/21	693.62							
Arsenic	03/19/21	4.508							
Cadmium	03/19/21	< 0.028							
Copper	03/19/21	3.656							
Lead	03/19/21	10.051							
Magnesium	03/19/21	612.17							
Mercury	03/19/21	< 0.0440							
Nickel	03/19/21	10.643							
Zinc	03/19/21	25.087							
Conductivity (mhos/cm)	03/19/21	245.5300							
pH (SU)	03/19/21	6.60							

Sample ID	Clinton East	LA Airport 9						
Control Number	2103010420							
	1s	t Quarter	2ne	d Quarter	3rc	d Quarter	4tl	n Quarter
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/19/21	323.640						
Ammonia Nitrogen	03/19/21	4.2550						
PAN	03/19/21	6.12						
Phosphorous	03/19/21	< 0.2567						
Potassium	03/19/21	375.01						
Arsenic	03/19/21	3.933						
Cadmium	03/19/21	< 0.021						
Copper	03/19/21	3.528						
Lead	03/19/21	7.595						
Magnesium	03/19/21	396.40						
Mercury	03/19/21	< 0.0440						
Nickel	03/19/21	8.489						
Zinc	03/19/21	16.986						
Conductivity (mhos/cm)	03/19/21	97.4922						
pH (SU)	03/19/21	7.10						

Sample ID	Clinton East	LA WD 13						
Control Number	2103010421							
	1s	t Quarter	2nd	l Quarter	4t]	n Quarter		
	Sample	Analytical	Sample	Analytical	Sample	Analytical	Sample	Analytical
Parameter	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)	Date	Results (mg/Kg)
Nitrate Nitrogen	03/19/21	6.564						
Ammonia Nitrogen	03/19/21	0.0290						
PAN	03/19/21	5.37						
Phosphorous	03/19/21	0.1101						
Potassium	03/19/21	674.19						
Arsenic	03/19/21	5.415						
Cadmium	03/19/21	< 0.038						
Copper	03/19/21	4.988						
Lead	03/19/21	9.896						
Magnesium	03/19/21	735.81						
Mercury	03/19/21	0.0560						
Nickel	03/19/21	13.396						
Zinc	03/19/21	31.241						
Conductivity (mhos/cm)	03/19/21	402.1440						
pH (SU)	03/19/21	6.80						

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

Control Number: 2103010676	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST IW	Sample Time : 1330	Delivery By : HMK
Customer/Permit No. : 619 / AR0048836 001	Sample Type : GRAB WWATER	Work Order :
Report Date : 04/08/21	Sample From : IRRIGATION WATER	Purchase Order :

		Laboratory Ana	lysis			Quality 1	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
03/19 1644 EDA	BOD, 5-day	18.0	mg/L		SM 2011 5210 B	14.97	106.0 *
03/30 1023 AKA	Ammonia as N, (HACH/SM)	5.47	mg/L		SM 2011 4500-NH3-G	1.57	90.3 *
03/25 1017 AKA	Total Kjeldahl Nitrogen	16.7	mg/L		02/2014 HACH 10242	8.01	115.0 *
03/19 1330 HMK	рH	8.4	S.U.		SM 2011 4500-H+B	0.00	$N/A \star$
03/30 1508 KNM	Copper	< 0.0200	mg/L		EPA 200.8	0.41	101.5 *
03/30 1508 KNM	Zinc	< 0.0500	mg/L		EPA 200.8	4.07	102.0 *
03/30 1508 KNM	Arsenic	< 0.0100	mg/L		EPA 200.8	0.29	99.7 *
03/30 1508 KNM	Selenium	< 0.0150	mg/L		EPA 200.8	6.67	99.6 *
04/06 1433 BXW	Spec. Conductance @ 25 C	211.610	umho/c		EPA 120.1		
03/30 1508 KNM	Cadmium	< 0.0200	mg/L		EPA 200.8	1.05	105.6 *
03/26 1845 KNM	Mercury	0.0010	mg/L		EPA 245.1	0.56	111.4 *
03/30 1508 KNM	Lead	< 0.0100	mg/L		EPA 200.8	0.46	89.2 *
03/22 1331 BXW	Nitrate + Nitrite	6.53	mg/L		HACH 10206	0.80	103.0 *

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

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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 Co., Inc.

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	Corporate Office

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Little Rock, AR 72211

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Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	C	lient Information				Pr	oject In	formatior	ן				Red	ques	sted	Para	met	ers
Client:		Clinton, East IW			Permit/Pro	oject #:		AR0048	836]						
Address:		P.O. Box 277			Purchase	Order #:						1						
		Clinton, AR 72031			Work Ord	er#						1	31.)					
Phone:		501-745-4320			Sampler N	Sampler Name(s): Han Ala			Valla -			1	02(
Fax:		501-745-2164					-Fury	angs	erez_			1	Ż +		ents			
Contact:		Mr. Phil Graham			and Signa	turo(c):		\neq					õ		Comments)			
	Client Number: 619				uie(5).	-4	<u>/</u>				1	A), ľ						
	Sample Identification Sample			Comple	Collection		I	O a manufacture	<u></u>	_			NH3-N(15.A), NO3 + NO2(91.)	0.0)	(See			
	Identification ESC Control # Date Time			1	T	T		T	Container			BOD(3.)	13-N	TKN(16.C)	Metals (
					Туре	Matrix	Туре	Volume	Preserva	ative	#	B	ź	Ě	Me			
Irrigatior	n Water	2103010676	3/19/21	1330	Grab	Wwater	Plastic	1 Liter	$Cool \leq 6^{\circ}$ (2	1	X						
					Grab	Wwater	Plastic	8 oz	H2SO4 to pH <2		1		X	X				
			F	1	Grab	Wwater	Plastic	8 oz	HNO3 to p	H <2	1				Χ			
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Hayden h	upen hely # 3/8/21 1643			[643	Junan	FIGW DI	E'Jomi/	1 her	3/19/21	164	3		Yes	2		No		
Comments: Me	1			As(33 HW)	Se(34 HW)	11		Field Test	Time 1330	Analys HM		Resu 8.4		Resu 8,1		U S.U.	nits	
	Cd(48.HW), Pb(82.HW), 00.MD				00(04.1111)	Time:		Conduct:	5.			-90		- 20		UMHC	Sz	
						Reading:								¥				
+ Coody thirt	Conductivity re-analyzed in lab due to meter n			00-10-	10 1.	Units:						Thic	Dar			2000	f	
TA CONAUGRIVITE	y re-a	KNM 4/12/2	aue to	meter M	altunction				<u> </u>	L		INS	000	umer	IC IS I	⊃age _	of	

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

Collected By: DMP

Delivery By : DMP

Purchase Order :

Work Order :

Control Number:	2107010259
Customer Name :	CLINTON, EAST IW
Customer/Permit	No. : 619 / AR0048836 001
Report Date : 08	3/02/21

Sample Date : 07/26/21 Sample Time : 1155 Sample Type : GRAB WWATER Sample From : IRRIGATION WATER

	<u> </u>	aboratory Analysis			Ouality	Assurance
Analysis			-		Precision	Accuracy
Date Time By	Parameter	Result	Notes Quantit	y Method	% RPD	% Recovery
07/28 0536 BXW	BOD, 5-day	7.9 mg/L		SM 2011 5210 B	16.95	96.0 *
07/28 1010 EJD	Ammonia as N, (HACH/SM)	1.66 mg/L		SM 2011 4500-NH3-G	0.78	97.9 *
07/28 1110 AKA	Total Kjeldahl Nitrogen	7.1 mg/L		02/2014 HACH 10242	0.00	105.0
07/26 1200 DMP	рН	7.3 S.U.		SM 2011 4500-H+B	0.00	N/A *
07/29 2311 NTR	Copper	< 0.0200 mg/L		EPA 200.8	6.34	122.0 *
07/29 2311 NTR	Zinc	< 0.0500 mg/L		EPA 200.8	5.99	109.7 *
07/29 2311 NTR	Arsenic	< 0.0100 mg/L		EPA 200.8	9.89	115.1 *
07/29 2311 NTR	Selenium	< 0.0150 mg/L		EPA 200.8	12.93	96.3 *
07/26 1620 DMP	Spec. Conductance @ 25 C	144.900 umho/	С	EPA 120.1	0.07	N/A
07/29 2311 NTR	Cadmium	< 0.0200 mg/L		EPA 200.8	8.32	92.0 *
07/27 1523 KNM	Mercury	< 0.0050 mg/L		EPA 245.1	10.53	99.3
07/29 2311 NTR	Lead	< 0.0100 mg/L		EPA 200.8	4.30	99.3 *
07/27 1155 EJD	Nitrate + Nitrite	3.22 mg/L		HACH 10206	3.32	100.0

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

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Signature

Environmental Services Co., Inc.

NIL

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

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Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

	С	lient Information				Pr	oject Inf	ormation				Requested Paramete						eters	
Client:		Clinton, East IW			Permit/Pro	oject #:		AR0048	836						Γ				
Address:		P.O. Box 277			Purchase	Order #:													
		Clinton, AR 72031			Work Orde	er#	~						<u>;</u>						
Phone:		501-745-4320			Sampler N	lame(s):	· PAULD DEGRIF			1		02(9							
Fax:		501-745-2164					44		1 - 12		<u> </u>		Ž +		Comments)				
Contact:		Mr. Phil Graham			and Signa	ture(s).	TT.	- 112-	PIZ	C_			103		um mu				
ESC Client Num	nber:	619				(0):	$-\nu c$	Verener					A), A	_					
Sam	ple Iden			Sample	Collection		T	Sample (Container	-		î.	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals (See				
Identificati		ESC Control #	Date	Time				Volume	Preserva	1	#	BOD(3.)	H3-P	L) XX	etais				
		2107010259	07/24/21	1155	Grab	1	Туре		1				z	F	Σ	\vdash			
Inigatio	ii vvater	<u>[]]]]]]</u>	UjjzgL1	105	1	Wwater	Plastic	1 Liter	$Cool \leq 6^{\circ} C$;	1	X	 	 					
					Grab	Wwater	Plastic	8 oz	H2SO4 to pH <2		1		X	X					
			<u>ــــــــــــــــــــــــــــــــــــ</u>		Grab	Wwater	Plastic	8 oz	HNO3 to p	H <2	1	ļ!			X				
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Pacific Relinquished By: (Signatur	re and Printed I	Name) ADDPIERE	TILBIZI	Time 1640	Received for Lab	By: (Signature and	Printed Name	e) 1a	Date] 26/21	Time 1640			sampl Yes	les pro	operly	preser	200		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<u>//-//-</u> /	10-10	y y	Flow Da	ata)	Fjeld Test	7.7474	Analys		Resu		Resu	it T		No Units		
Comments: Mo	etals: Hg(	50.15), Cu(29.HW), Z	n(30.HW), A	s(33.HW),	Se(34.HW)	Analyst:		pH:	77-51200			7.		7.		S.U.			
Co	d(48.HW),	Pb(82.HW), 00.MD				Time:		Conduct:	1620	DA	P		1.9	H	Pace	U MH	OS		
						Reading:								14	5.0				
						Units:									<u> </u>			-+-	
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Collected By: JGK

Delivery By : JGK

Purchase Order :

Work Order :

Control Number:	2111010350	Sample Date
Customer Name :	CLINTON, EAST IW	Sample Time
Customer/Permit	No. : 619 / AR0048836 001	Sample Type
Report Date : 12	2/15/21	Sample From

Sample Date : 11/15/21 Sample Time : 1010 Sample Type : GRAB WWATER Sample From : IRRIGATION WATER

		Laboratory Analysis				Quality A	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Not	tes Qı	<u>antity</u>	Method	% RPD	% Recovery
11/17 0935 SLL	BOD, 5-day	22.8 mg/L			SM 2011 5210 B	4.33	108.0 *
11/23 1104 SLL	Ammonia as N, (HACH/SM)	8.23 mg/L			SM 2011 4500-NH3-G	0.00	103.0 *
11/29 0550 NTR	Total Kjeldahl Nitrogen	15.1 mg/L			02/2014 HACH 10242	4.17	96.0 *
11/15 1015 JGK	рH	8.0 S.U.			SM 2011 4500-H+B	0.00	N/A *
11/18 0000 NTR	Copper	< 0.0200 mg/L			EPA 200.8	0.44	96.6 *
11/18 0000 NTR	Zinc	< 0.0500 mg/L			EPA 200.8	0.96	90.0 *
11/18 0000 NTR	Arsenic	< 0.0100 mg/L			EPA 200.8	0.01	88.6 *
11/18 0000 NTR	Selenium	< 0.0150 mg/L			EPA 200.8	1.70	89.7 *
11/15 1015 JGK	Electric Conductivity	215.00 umho/c			EPA 9050A(MOD)	0.00	100.0 *
11/18 0000 NTR	Cadmium	< 0.0200 mg/L			EPA 200.8	0.44	87.0 *
12/14 1200 NTR	Mercury	< 0.0050 mg/L			EPA 245.1	4.45	81.6 *
11/18 0000 NTR	Lead	< 0.0100 mg/L			EPA 200.8	0.25	93.1 *
12/01 1000 NTR	Nitrate + Nitrite	4.11 mg/L			HACH 10206	5.29	95.5

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Environmental Services/Co., Inc.

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

Fax: 501-221-1341

Phone: 501-221-2565



Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

## **CHAIN OF CUSTODY**

	Client Information				Pro	oject Info	Project Information					Req	uest	ted	Para	mete	ers.
Client:	Clinton, East IW			Permit/Pro	ject #:		AR00488	336									
Address:	P.O. Box 277			Purchase (	Order #:												
	Clinton, AR 7203	Ŀ		Work Orde	er #							91.)					
Phone:	501-745-4320			Sampler N	ame(s):	J.K	nocmsJ	NU1				02(		()			
Fax:	501-745-2164	**************************************		]				0				Z +		Comments)			
Contact:	Mr. Phil Graham			and Signat	ure(s):	$\overline{\mathcal{Q}}$						й х		Som			
ESC Client Numbe	er: 619			1								5.A),	- 1	(See C			
Sample	e Identification		Sample	Collection	an a	T	Sample (	Container	s		(3.)	L)N-	(16.0	lls (S			
Identification		Date	Time	Туре	Matrix	Туре		Preserva	i i i i i i i i i i i i i i i i i i i	#	BOD(3.)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.C)	Metals			
Irrigation V	Nater 2111010350	11115121	1010	Grab	Wwater	Plastic	1 Liter	$Cool \leq 6^{\circ}$	c I		x						
		1	1	Grab	Wwater	Plastic	8 oz	Cool <u>&lt;</u> 6° C, H2SO4 to pH <2	1	1		x	x				
				Grab	Wwater	Plastic	8 oz	HNO3 to p	H <2	1				x			
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Relinquished By: (Signature a	Ind Printed Name)	Date	Time	Received By: (Sig	nature and Printed	d Name)	L	Date	Tim			dy Sea	-			anan karan Manan	-
Relinquished By: (Signature a	nd Printed Name)	Date	Time	Received By: (Sig	nature and Printed	d Name)		Date	Tim		lsed' urna	? round:	NA		intact?		12004
									ļ		legul		~		Specia		]
Retinqu)shed By: (Signature a	- Kocarh VI	Date	Time 1601	Received for Lab	By: (Signature and Jacks T Flow Da		;)	Date 11/1521	KO0	e V		sampl Yes		perly	preserv N	100000000000000000000000000000000000000	-
/				(21			Field Test	Time	Analys	E	Resu		Resu			nits	
Comments: Meta	als: Hg(50.15), Cu(29.HW), I8.HW), Pb(82.HW), 00.MD	Zn(30.HW),	As(33.HW)	Se(34.HW)	Analyst: Time:		pH: Conduct®	1015	TV		8-1		8.0		S.U. U MHC	10	
C0(4	10. TVV), FU(02. TVV), UU. IVID				Reading:		Conduct 35	1015	- TH	<b>-</b> +	215	5	219			/3	
					Units:												
								1633	JAT	5	⁻ his	Doc	umer	nt is I	Page	lof	

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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: 2103010415	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST 40.24 LA PB 3	Sample Time : 1155	Delivery By : HMK
Customer Number : 3004	Sample Type : GRAB SOIL	Work Order :
Report Date : 04/24/21	Sample From : EAST LA 40.24 PB3	Purchase Order :

		Laboratory Ana	alysis				Quality A	Assurance
Analysis							Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u> No</u>	otes	Quantity	Method	% RPD	% Recovery
04/14 1220 AKA	Ammonia Nitrogen	0.1800	mg/kg			SM 1997 4500-NH3 C	7.21	96.3 *
04/13 1809 KNM	Mercury	0.0800	mg/Kg			SW846 7474 02/07	15.92	97.4
03/25 1345 EDA	Nitrate Nitrogen	718.350	mg/kg			SM 2000 4500-NO3 E	3.28	101.0 *
04/14 0745 KNM	Phosphorous, Total (as P)	1.9745	mg/kg			EPA 365.3	5.65	100.0 *
04/16 1121 KNM	Magnesium	799.24	mg/Kg			SW-846 6020A	6.29	110.8 *
04/16 1121 KNM	Potassium	743.67	mg/Kg			SW-846 6020A	4.78	97.3 *
03/23 1550 ZWA	pH Soil	6.40	S.U.			SW846 9045C	3.08	N/A
	Nickel	18.889				SW-846 6020A	4.01	108.4 *
04/16 1121 KNM	Copper	7.359	mg/Kg			SW-846 6020A	3.04	109.8 *
04/16 1121 KNM	Zinc	44.201				SW-846 6020A	3.11	96.8 *
	Nitrogen, Plant Available	13.10				33 MSA 2nd Ed		
04/16 1121 KNM	Arsenic	6.632	mg/Kg			SW-846 6020A	2.43	107.4 *
04/19 1550 ZWA	Specific Conductance	213.6459	umhos			EPA (MOD)9050A	7.20	N/A
04/16 1121 KNM	Cadmium	< 0.017	mg/Kg			SW-846 6020A	3.65	107.8 *
03/22 1124 ZWA	Solids, % Total	74.441	<del>0</del> 0			SM 1997 2540 G	0.44	N/A *
04/16 1121 KNM	Lead	15.942	mg/Kg			SW-846 6020A	3.42	106.6 *
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* QA data shown is from a different sample or standard on the same date.

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Environmental Services Co., Inc.

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

Control Number: 2103010416 Customer Name : CLINTON, EAST 40.24 LA PB 30		Collected By: HMK Delivery By : HMK
Customer Number : 3003	Sample Type : GRAB SOIL	Work Order :
Report Date : 04/24/21	Sample From : EAST LA 40.24 PB30	Purchase Order :

		Laboratory Analy	sis			Quality a	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	<u>% Recovery</u>
04/14 1220 AKA	Ammonia Nitrogen	0.3120 mg	/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/13 1809 KNM	Mercury	0.1530 mg	/Kg		SW846 7474 02/07	15.92	97.4 *
03/25 1345 EDA	Nitrate Nitrogen	75.810 mg	/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14 0745 KNM	Phosphorous, Total (as P)	1.1125 mg	/kg		EPA 365.3	5.65	100.0 *
04/16 1127 KNM	Magnesium	1745.20 mg	/Kg		SW-846 6020A	6.29	110.8 *
	Potassium	1146.90 mg	/Kg		SW-846 6020A	4.78	97.3 *
03/23 1550 ZWA	pH Soil	6.90 S.	U.		SW846 9045C	3.08	N/A *
04/16 1127 KNM	Nickel	31.567 mg	/Kg		SW-846 6020A	4.01	108.4 *
04/16 1127 KNM	Copper	20.893 mg			SW-846 6020A	3.04	109.8 *
04/16 1127 KNM	Zinc	114.311 mg			SW-846 6020A	3.11	96.8 *
	Nitrogen, Plant Available			,	33 MSA 2nd Ed		
04/16 1127 KNM	Arsenic	12.436 mg	/Kg		SW-846 6020A	2.43	107.4 *
	Specific Conductance	299.7150 um			EPA (MOD)9050A	7.20	N/A *
04/16 1127 KNM	Cadmium	< 0.047 mg	/Kg		SW-846 6020A	3.65	107.8 *
	Solids, % Total	28.816 %			SM 1997 2540 G	0.44	N/A *
04/16 1127 KNM	Lead	24.773 mg	/Kg		SW-846 6020A	3.42	106.6 *
				-			
* UA data sho	wn is from a different sam	ole or standard of	n the same o	hate.			

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Control Number: 2103010417	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST 55.57 LA PB 10	Sample Time : 1115	Delivery By : HMK
Customer/Permit No. : 511 / AR0048836 001	Sample Type : GRAB SOIL	Work Order :
Report Date : 04/24/21	Sample From : EAST LA 55.57 PB10	Purchase Order :

	]	Laboratory Analy	vsis			Quality a	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	<u>% Recovery</u>
04/14 1220 AKA	Ammonia Nitrogen	0.4100 mg	J/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07 1818 KNM	Mercury	< 0.0450 mg	J/Kg		SW846 7474 02/07	19.02	80.9 *
03/25 1345 EDA	Nitrate Nitrogen	176.080 mg	J/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14 0745 KNM	Phosphorous, Total (as P)	0.5872 mg	J/kg		EPA 365.3	5.65	100.0 *
04/16 1132 KNM	Magnesium	589.61 mg	J/Kg		SW-846 6020A	6.29	110.8 *
04/16 1132 KNM	Potassium	458.23 mg	J/Kg		SW-846 6020A	4.78	97.3 *
03/23 1550 ZWA	pH Soil	6.80 S.			SW846 9045C	3.08	N/A *
· · · · · · · · · · · · · · · · · · ·	Nickel	9.919 mg	J/Kg		SW-846 6020A	4.01	108.4 *
04/16 1132 KNM	Copper	5.095 mg			SW-846 6020A	3.04	109.8 *
04/16 1132 KNM	Zinc	28.706 mg			SW-846 6020A	3.11	96.8 *
	Nitrogen, Plant Available	8.11 mg	/kg		33 MSA 2nd Ed		
04/16 1132 KNM	Arsenic	3.628 mg			SW-846 6020A	2.43	107.4 *
04/19 1550 ZWA	Specific Conductance	221.7245 um			EPA (MOD)9050A	7.20	N/A *
04/16 1132 KNM	Cadmium	< 0.024 mg	J/Kg		SW-846 6020A	3.65	107.8 *
03/22 1124 ZWA	Solids, % Total	72.108 %			SM 1997 2540 G	0.44	N/A *
04/16 1132 KNM	Lead	9.206 mg	l/Kg		SW-846 6020A	3.42	106.6 *

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

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

Control Number: 2103010418	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST 55.57 LA PB 3	Sample Time : 1125	Delivery By : HMK
Customer Number : 3002	Sample Type : GRAB SOIL	Work Order :
Report Date : 04/24/21	Sample From : EAST LA 55.57 PB3	Purchase Order :

		Laboratory Ana	alysis				Quality A	Assurance
Analysis							Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Not	tes	Quantity	Method	<u> </u>	<u>% Recovery</u>
04/14 1220 AKA	Ammonia Nitrogen	0.6620	mg/kg			SM 1997 4500-NH3 C	7.21	96.3 *
04/07 1818 KNM	Mercury	< 0.0310	mg/Kg			SW846 7474 02/07	19.02	80.9 *
03/25 1345 EDA	Nitrate Nitrogen	202.960	mg/kg			SM 2000 4500-NO3 E	3.28	101.0 *
	Phosphorous, Total (as P)	2.3153	2, 2			EPA 365.3	5.65	100.0 *
04/16 1207 KNM	Magnesium	752.59				SW-846 6020A	6.29	110.8 *
04/16 1207 KNM	Potassium	526.50	mg/Kg			SW-846 6020A	4.78	97.3 *
03/23 1550 ZWA	pH Soil	6.90				SW846 9045C	3.08	N/A *
	Nickel	13.158				SW-846 6020A	4.01	108.4 *
04/16 1207 KNM	Copper	5.939				SW-846 6020A	3.04	109.8 *
04/16 1207 KNM	Zinc	39.203				SW-846 6020A	3.11	96.8 *
04/24 0800 KNM	Nitrogen, Plant Available		mg/kg			33 MSA 2nd Ed		
04/16 1207 KNM	Arsenic	4.459	mg/Kg			SW-846 6020A	2.43	107.4 *
04/19 1550 ZWA	Specific Conductance	199.6038				EPA (MOD)9050A	7.20	N/A *
04/16 1207 KNM	Cadmium	< 0.028	mg/Kg			SW-846 6020A	3.65	107.8 *
	Solids, % Total	76.030				SM 1997 2540 G	0.44	N/A *
04/16 1207 KNM	Lead	9.530	mg/Kg			SW-846 6020A	3.42	106.6 *
	m in from a different source							

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Environmental Services Inc.

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

		Laboratory Analy	<u>sis</u>			Quality A	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
04/14 1220 AKA	Ammonia Nitrogen	0.1960 mg,	/kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07 1818 KNM	Mercury	< 0.0440 mg,	/Kg		SW846 7474 02/07	20.56	80.9 *
03/25 1345 EDA	Nitrate Nitrogen	291.360 mg,	/kg		SM 2000 4500-NO3 E	3.28	101.0 *
04/14 0745 KNM	Phosphorous, Total (as P)	1.4577 mg,	/kg		EPA 365.3	5.65	100.0 *
04/16 1156 KNM	Magnesium	612.17 mg,			SW-846 6020A	6.29	110.8 *
04/16 1156 KNM	Potassium	693.62 mg,	/Kg		SW-846 6020A	4.78	97.3 *
03/23 1550 ZWA	pH Soil	6.60 S.U	U.		SW846 9045C	3.08	N/A *
04/16 1156 KNM	Nickel	10.643 mg,	/Kg		SW-846 6020A	4.01	108.4 *
04/16 1156 KNM	Copper	3.656 mg,	/Kg		SW-846 6020A	3.04	109.8 *
04/16 1156 KNM	Zinc	25.087 mg/	/Kg		SW-846 6020A	3.11	96.8 *
04/24 0800 KNM	Nitrogen, Plant Available	8.56 mg/	/kg		33 MSA 2nd Ed		
04/16 1156 KNM	Arsenic	4.508 mg/	/Kg		SW-846 6020A	2.43	107.4 *
04/19 1550 ZWA	Specific Conductance	245.5300 umł	hos		EPA (MOD)9050A	7.20	N/A *
04/16 1156 KNM	Cadmium	< 0.028 mg/	/Kg		SW-846 6020A	3.65	107.8 *
03/22 1124 ZWA	Solids, % Total	70.386 %			SM 1997 2540 G	0.44	N/A *
04/16 1156 KNM	Lead	10.051 mg/	/Kg		SW-846 6020A	3.42	106.6 *
* QA data sho	wn is from a different samp	le or standard or	n the same da	ite.	1		

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Control Number: 2103010420	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST LA AIRPORT9	Sample Time : 1250	Delivery By : HMK
Customer Number : 2959	Sample Type : GRAB SOIL	Work Order :
Report Date : 04/24/21	Sample From : EAST LA AIRPORT9	Purchase Order :

		Laboratory Analysis	3			Quality i	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes	Quantity	Method	% RPD	<u>% Recovery</u>
04/14 1220 AKA	Ammonia Nitrogen	4.2550 mg/kg	J		SM 1997 4500-NH3 C	7.21	96.3 *
04/07 1818 KNM	Mercury	< 0.0440 mg/Kg	3		SW846 7474 02/07	20.56	80.9 *
03/25 1345 EDA	Nitrate Nitrogen	323.640 mg/kg	J		SM 2000 4500-NO3 E	3.28	101.0
04/14 0745 KNM	Phosphorous, Total (as P)	< 0.2567 mg/kg	ł		EPA 365.3	5.65	100.0 *
04/16 1202 KNM	Magnesium	396.40 mg/Kg	3		SW-846 6020A	6.29	110.8 *
04/16 1202 KNM	Potassium	375.01 mg/Kg	J		SW-846 6020A	4.78	97.3 *
03/23 1550 ZWA	pH Soil	7.10 S.U.			SW846 9045C	3.08	N/A *
04/16 1202 KNM	Nickel	8.489 mg/Kg	J		SW-846 6020A	4.01	108.4 *
04/16 1202 KNM	Copper	3.528 mg/Kg			SW-846 6020A	3.04	109.8 *
04/16 1202 KNM	Zinc	16.986 mg/Kg	J		SW-846 6020A	3.11	96.8 *
04/24 0800 KNM	Nitrogen, Plant Available	6.12 mg/kg	J		33 MSA 2nd Ed		
04/16 1202 KNM	Arsenic	3.933 mg/Kg	J		SW-846 6020A	2.43	107.4 *
04/19 1550 ZWA	Specific Conductance	97.4922 umhos			EPA (MOD)9050A	7.20	N/A *
04/16 1202 KNM	Cadmium	< 0.021 mg/Kg	J		SW-846 6020A	3.65	107.8 *
03/22 1124 ZWA	Solids, % Total	77.862 %			SM 1997 2540 G	0.44	N/A *
04/16 1202 KNM	Lead	7.595 mg/Kg	J		SW-846 6020A	3.42	106.6 *

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Inc. Environmental

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: 2103010421	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST LA WD13	Sample Time : 1320	Delivery By : HMK
Customer Number : 2960	Sample Type : GRAB SOIL	Work Order :
Report Date : 04/24/21	Sample From : EAST LA WD13	Purchase Order :

		Laboratory Analys	is		· · · · · · · · · · · · · · · · · · ·	Quality	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
04/14 1220 AKA	Ammonia Nitrogen	0.0290 mg/	kg		SM 1997 4500-NH3 C	7.21	96.3 *
04/07 1818 KNM	Mercury	0.0560 mg/	Kg		SW846 7474 02/07	19.02	80.9 *
03/24 1600 EDA	Nitrate Nitrogen	6.564 mg/	kg		SM 2000 4500-NO3 E	0.54	100.0 *
04/14 0745 KNM	Phosphorous, Total (as P)	0.1101 mg/	kg		EPA 365.3	4.67	100.0
04/16 1213 KNM	Magnesium	735.81 mg/	Kg		SW-846 6020A	6.29	110.8 *
04/16 1213 KNM	Potassium	674.19 mg/	Kg		SW-846 6020A	15.19	97.3 *
03/23 1550 ZWA	pH Soil	6.80 S.U	•		SW846 9045C	3.08	N/A *
04/16 1213 KNM	Nickel	13.396 mg/	Kg		SW-846 6020A	4.92	108.4 *
04/16 1213 KNM	Copper	4.988 mg/	Kg		SW-846 6020A	3.61	109.8 *
04/16 1213 KNM	Zinc	31.241 mg/	Kg		SW-846 6020A	5.01	96.8 *
04/24 0800 KNM	Nitrogen, Plant Available	5.37 mg/	kg		33 MSA 2nd Ed		
04/16 1213 KNM	Arsenic	5.415 mg/	Kg		SW-846 6020A	2.93	107.4 *
04/19 1550 ZWA	Specific Conductance	402.1440 umh	os		EPA (MOD)9050A	7.20	N/A *
04/16 1213 KNM	Cadmium	< 0.038 mg/3	Kg		SW-846 6020A	3.70	107.8 *
03/22 1124 ZWA	Solids, % Total	76.395 %			SM 1997 2540 G	0.44	N/A *
04/16 1213 KNM	Lead	9.896 mg/1	Kg		SW-846 6020A	4.02	106.6 *

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Springdale, Arkansas 479-750-1170

Carlsbad, New Mexico 575-887-1ESC

### **CHAIN OF CUSTODY**

	<b>Client Information</b>			Pro			ject Information			Т	Requested Parameters				
Client: Address:	Clinton, City of (Ea P.O. Box 277	st Land Ap	p)	Permit/Pro Purchase							6				
	Clinton, AR 72031			Work Ord						ts)	Nitrate Nitrogen(01.3), Phos(01.9)	Cond(35.M)	(Z)		
Phone:	501-745-4320			Sampler N	Name(s):	Hay,	Ven	Lolly		L L L Comments)	Pho	c)puc	Ammonia(01.1), PAN(33.AN)		
Fax:	Mr. Phil Graham					. 70				1 m	1.3),	U S	PAN		
Contact:	501-745-2164			and Signa	ture(s):	D					en(0	, Spec (	1.1),		
ESC Client Number:	Various					/				(See	itrog	Soil pH(23.S),	ia(0`		
Sample Ider	ntification		Sample	Collection			Sample	Container	S	tals	ate N	pH(2	nom		
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserv	ative #	Metals	Nitre	Soil	Am		
East LA 40.24 PB3 (3004)	2103010415	3/19/21	1155	Grab	Soil	Glass	1 Liter	Cool <u>&lt;</u> 6° (	C 1	x	x	x	x		
East LA 40.24 PB30 (3003)	2103910416	ļ	1210	Grab	Soil	Glass	1 Liter	Cool < 6° (	C 1	x	x	x	x		
East LA 55.57 PB10 (511)	2103010417		1115	Grab	Soil	Glass	1 Liter	Cool <u>&lt;</u> 6° (	C 1	х	x	x	x		
East LA 55.57 PB3 (3002)	2103010418		1125	Grab	Soil	Glass	1 Liter	Cool <u>&lt;</u> 6° (	C 1	х	x	x	x		
East LA 55.57 PB30 (3001)	2103010419		1140	Grab	Soil	Glass	1 Liter	Cool <u>&lt;</u> 6° (	C 1	х	x	x	x		
East LA Airport9 (2959)	2103010420		1250	Grab	Soil	Glass	1 Liter	Cool <u>&lt;</u> 6° (	2 1	x	x	x	x		
East LA WD13 (2960)	2103010471		1320	Grab	Soil	Glass	1 Liter	Cool <u>&lt;</u> 6° (	2 1	x	x	x	x		
elinquished By: (Signature and Printe	d Name)	Date	Time	Received By: (Si	gnature and Printe	d Name)		Date	T Time	Cust	ody Se				
elinquished By: (Signature and Printe	d Name)	Date	Time	Received By: (Si	gnature and Printe	d Name)		Date	Time	Usec	•		[	Intact?	
elinguished By Signature and Prime	d Name)	3/19/2(	Time 1643		By: (Signature an M BC4 6			Date ろ/1リン	Time 1643	Regu Were			perly	Special preserve No	
omments: Hg(01.14), N			1		Flow D		Field Test		Analyst	Res	ult	Resu	lt	Ur	
	/in(12.HS), K(19.HS), Ni(2 Cd(48.HS), Pb(82.HS), 00		≠.πS), ∠n(30.F	15)	Analyst: Time: Reading:										
••••••••••••••••••••••••••••••••••••••					Units:										-7
										This	s Doc	umer	nt is F	Page _	/df_

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

Customer Name : CLINTON, EAST GW13 Customer/Permit No. : 507 / AR0048836 001	Sample Time : 1100	Collected By: HMK Delivery By : HMK Work Order : Purchase Order :
---------------------------------------------------------------------------------	--------------------	----------------------------------------------------------------------------

Neo Jero i e	L	aboratory Analysi:	2			Assurance
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	Notes Quant:	ity Method	<u> </u>	<u>% Recovery</u>
03/23 1330 EDA	Chloride (as Cl)	9.9 mg/L		SM 2011 4500 Cl C	0.00	89.9 *
03/19 1100 HMK	рH	6.5 S.U.		SM 2011 4500-H+B	0.00	N/A
03/30 1542 BXW	Solids, Total Dissolved	249.0 mg/L		SM 2011 2540 C	5.41	N/A *
03/19 1100 HMK	Spec. Conductance @ 25 C	213.000 umho,	′c	EPA 120.1	0.00	N/A
03/22 1331 BXW	Nitrate + Nitrite	0.55 mg/L		HACH 10206	0.80	103.0
03/19 1100 HMK	Well Depth, Total	15.33 Feet			N/A	N/A
03/19 1100 HMK	Depth to Water	9.75 Feet			N/A	N/A
* QA data sho	wn is from a different sample	e or standard on t	he same date.			

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Control Number: 2103010412	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST GW14	Sample Time : 1045	Delivery By : HMK
Customer/Permit No. : 508 / AR0048836 001	Sample Type : GRAB WELL	Work Order :
Report Date : 04/08/21	Sample From : CLINON WELL #14	Purchase Order :
Labora	Quality Assurance	

			<u>, 0 + 0</u>		1	Quality 1	ASSULANCE
Analysis						Precision	Accuracy
Date Time By	Parameter	Result	<u> </u>	Quantity	Method	<u> </u>	<u>% Recovery</u>
03/23 1330 EDA		< 0.5 m			SM 2011 4500 Cl C	0.00	89.9 *
03/19 1045 HMK		5.9 S			SM 2011 4500-H+B	0.00	N/A *
	Solids, Total Dissolved	164.0 mg			SM 2011 2540 C	0.60	N/A *
	Spec. Conductance @ 25 C	123.000 un			EPA 120.1	0.00	N/A *
	Nitrate + Nitrite	7.73 mg	g/L		HACH 10206	0.80	103.0 *
	Well Depth, Total	13.08 F	eet			N/A	N/A
03/19 1045 HMK	Depth to Water	9.33 F	eet			N/A	N/A
* QA data sho	wn is from a different samp	le or standard o	on the same	date.			

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Envir	onmental S	ervices	G Company,	, Inc.		
Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221	-1341		Tel.	Northwest Arkan 1107 Century Springdale, (479)750-1170 F	Avenue AR 72762	2
Control Number: 2103010413 Customer Name : CLINTON, EAST GW16 Customer/Permit No. : 509 / AR0048836 001 Report Date : 04/08/21	Sample	Type : NO		Deli [.] Work	ected By: very By : Order : nase Order :	
Analysis <u>Date Time By</u> <u>Parameter</u> 03/19 No Flow	or standard on	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	Quality : Precision <u>% RPD</u> N/A	Assurance Accuracy <u>% Recovery</u> N/A
*						

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Control Number: 2103010414	Sample Date : 03/19/21	Collected By: HMK
Customer Name : CLINTON, EAST GW17	Sample Time : 1015	Delivery By : HMK
Customer/Permit No. : 649 / AR0048747 001	Sample Type : GRAB WELL	Work Order :
Report Date : 04/08/21	Sample From : CLINTON WELL #17	Purchase Order :
Labor	atory Analysis	

Duro Jero é o	La	aboratory Analysis	5				Assurance
Analysis Data Tima Bu	Darrameter	Decult	Motor	Our and i have		Precision	Accuracy
<u>Date Time By</u> 03/23 1330 EDA	<u>Parameter</u> Chloride (as Cl)	<u>Result</u> < 0.5 mg/L	Notes	Quantity	Method	<u>% RPD</u>	<u>% Recovery</u>
					SM 2011 4500 Cl C	0.00	89.9 *
03/19 1015 HMK		5.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
03/30 1542 BXW		64.0 mg/L	,		SM 2011 2540 C	0.60	N/A *
03/19 1015 HMK	-	109.000 umho/	С		EPA 120.1	0.00	N/A *
	Nitrate + Nitrite	0.84 mg/L			HACH 10206	0.80	103.0 *
03/19 1015 HMK		17.50 Feet				N/A	N/A
03/19 1015 HMK	Depth to Water	11.83 Feet				N/A	N/A
* QA data sho	wn is from a different sample	e or standard on t	he same (	date.			

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#### Environmental Services Company Little Rock, AR 72211 Groundwater Monitoring Chain of Custody

Sampler Name(s): Hayderk	elly		/		
Sample Date: 3/19/21		-			
		· .	S	 ŝ	z

Sample Identification (Customer #)	Laboratory Control Number	Sample Time:	Depth To Water	Total Well Depth		F	рН		Sp	pecific C	onducta	nce		Temp Degr	erature ees C	- -	CI, TDS (1L Plastic ≤ 6 Deg C)	NO3+N O2 (8 oz Plastic H2SO4)
Clinton W		1			#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
#13 (507)	2103010411	1100	9.9"	15' 4''	65	6.5	6.4	1109	13	13	13	1100	12.7	13.4	129	1100	X	x
#14 (508)	2103010412	1045	9'41'	13' 1"	5.9	5.9	5.9	pag	23	30	29	1945	11.9	(2.3	120	1045	X	x
#16 (509)	2103010413	NOFL	ow	14' 0''													x	x
#17 (649)	2103010414	1015		17′ 6″	5.5	5.5	5.5	1015	49	49	49	1015	14.7	14.6	14.5	1015	x	х
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	-								1	Δ								
Relinquished	by: Hayden Le	that	Time:	19121	F	Receive	d By La	ıb:M	WAF			J	Date	:: 3/14	1/21	(	ne: [7/	0
Comments		//			·····		<u> </u>						Date		1-1	1 11		-
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	CLINTON, EAST GW13 No. : 507 / AR0048836 001 06/28/21	Sample 7	Time : 08 Type : GR. Trom : WE	AB WELL WATER	Work Or	ry By : WGW der : se Order :	
06/24 0855 WGW 06/25 1020 AKA 06/24 0855 WGW 06/28 0913 EJD 06/24 0855 WGW	La Parameter Chloride (as Cl) pH Solids, Total Dissolved Spec. Conductance @ 25 C Nitrate + Nitrite Well Depth, Total Depth to Water	<u>Result</u> 4.9 mg/L 7.2 S.U. 56.7 mg/L 1027.000 umho/ 1.53 mg/L 15.40 Feet 13.50 Feet	<u>Notes</u>	Quantity	<u>Method</u> SM 2011 4500 Cl C SM 2011 4500-H+B SM 2011 2540 C EPA 120.1 HACH 10206	Quality Precision <u>% RPD</u> 0.00 0.00 6.14 0.00 0.27 N/A N/A	Assurance Accuracy <u>% Recover</u> 100.0 N/A N/A 99.0 N/A N/A N/A

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Customer Name : CLINTON, EAST GW14 Customer/Permit No. : 508 / AR0048836 001 Report Date : 06/28/21	Sample Time : 0910 Sample Type : GRAB WELL WATER Sample From : WELL #14	Collected By: WGW Delivery By : WGW Work Order : Purchase Order :
Analysis Labor	atory Analysis	Quality Assurance

Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	😤 RPD	% Recovery
06/28 1035 BXW	Chloride (as Cl)	< 0.5 mg/L			SM 2011 4500 Cl C	0.00	100.0 *
06/24 0915 WGW	рН	7.2 S.U.			SM 2011 4500-H+B	0.00	N/A *
06/25 1020 AKA	Solids, Total Dissolved	65.0 mg/L			SM 2011 2540 C	6.14	N/A *
06/24 0915 WGW	Spec. Conductance @ 25 C	101.000 umho,			EPA 120.1	0.00	N/A *
06/28 0913 EJD	Nitrate + Nitrite	0.75 mg/L			HACH 10206	0.27	99.0 *
06/24 0915 WGW		13.10 Feet				N/A	N/A
06/24 0915 WGW		11.10 Feet				N/A	N/A
	-						
* QA data sho	own is from a different sample	e or standard on t	the same d	late.			

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Control Number: 2106010568 Customer Name : CLINTON, EAST GW16 Customer/Permit No. : 509 / AR0048836 001 Report Date : 07/01/21	Sample Date : 06/24/21 Sample Time : 0900 Sample Type : DRY WELL Sample From :	Collected By: WGW Delivery By : Work Order : Purchase Order :				
Analysis <u>Date Time By</u> <u>Parameter</u> 06/24 0900 WGW Dry Well	<u>Result</u> <u>Notes</u> <u>Quantity</u> 1.00	Method Quality Assurance Precision Accura % RPD % Recov N/A N/	acy			
* QA data shown is from a different sample	or standard on the same date.					

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Control Number: 2106010569	Sample Date : 06/24/21	Collected By: WGW
Customer Name : CLINTON, EAST GW17	Sample Time : 0830	Delivery By : WGW
Customer/Permit No. : 649 / AR0048747 001	Sample Type : GRAB WEEL WATER	Work Order :
Report Date : 06/28/21	Sample From : WELL#17	Purchase Order :

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		Laboratory Anal	<u>ysis</u>		1	Quality .	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
06/28 1035 BXW		< 0.5 m	g/L		SM 2011 4500 Cl C	0.00	100.0 *
06/24 0835 WGW		7.1 S	.U.		SM 2011 4500-H+B	0.00	N/A *
06/25 1020 AKA	Solids, Total Dissolved	60.0 m	g/L		SM 2011 2540 C	6.14	N/A *
06/24 0835 WGW	Spec. Conductance @ 25 C	69.200 u	mho/c		EPA 120.1	0.00	N/A *
06/28 0913 EJD	Nitrate + Nitrite	5.10 m	g/L		HACH 10206	0.27	99.0 *
06/24 0835 WGW	Well Depth, Total	17.60 F	eet			N/A	N/A
06/24 0835 WGW	Depth to Water	12.60 F	eet		ł	N/A	N/A
						,	
					I		
					1		

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

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Environmental Services Company Little Rock, AR 72211 Groundwater Monitoring Chain of Custody

Sampler Name(s): William Willoughby
and Signature: Willing Willingher

		Sample Date: 6/24 /21																
Sample Identification (Customer #)	Laboratory Control Number	Sample Time:	Depth To Water	Total Well Depth		р	Η		Sp	ecific Co	onductai	nce			erature rees C		Cl, TDS (1L Plastic ≤ 6 Deg C)	NO3+N O2 (8 oz Plastic H2SO4)
<b>Clinton Ea</b>					#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
#13 (507)	2104010566	6850	13'51'	15′ 4″	7.2	7.2	7.2	0857-	107.7	107.6	107.4	0895	25	25	25	0855	x	x
#14 (508)	2104010507	0910	1)'1"	13′ 1″	7.2	7.2	7.2	0915	101	101.6	1	0915	1	25	20	0915	x	x
#16 (509)	2101001038	No F	(0843	14' 0"													x	x
#17 (649)	2106010569	0830	12'6"	17′ 6″	7.1	7.1	7.1	0835	69.2	69.2	69.0	6835	25	25	25	0835	x	x
Relinguished b	v: William Wille	hby	Time:	1333	> R	eceive	i By La	b: 1/1	lon .	nn r	2/Pr		Date	. 61-	Ulas	<u>_</u>	ne:1333	2 ha
Comments:		-9-1-					<u> </u>	/	M	m J	<u>r</u>	W/P'M			<u>~ ([V]</u>	8 8 87		

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	CLINTON, EAST GW13 No. : 507 / AR0048836 001	Sample Date : Sample Time : Sample Type : Sample From :	1410 GRAB WATER	Deliver Work Or	ed By: DMP cy By : DMP cder : se Order :	
Analysis DateTime_By	L. Parameter	aboratory Analysis Result Note	s Quantity	Method	Quality 2 Precision % RPD	Assurance Accuracy % Recovery
$\frac{Datc}{07/30} \frac{11mc}{1410} \frac{Dy}{EJD}$	Chloride (as Cl)	10.0 mg/L	<u></u>	SM 2011 4500 Cl C	18.18	101.0
07/26 1415 DMP	pH	6.3 S.U.		SM 2011 4500-H+B	0.00	N/A *
07/28 1125 AKA	Solids, Total Dissolved	106.7 mg/L		SM 2011 2540 C	3.05	N/A
07/26 1625 DMP	Spec. Conductance @ 25 C	167.000 umho/c		EPA 120.1	0.07	N/A *
07/27 1155 EJD	Nitrate + Nitrite	0.48 mg/L		HACH 10206	3.32	100.0 *
07/26 1410 DMP	Well Depth, Total	15.40 Feet			N/A	N/A
07/26 1410 DMP	Depth to Water	8.10 Feet			N/A	N/A

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

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En amental Services Company, Inc. Corporate Office

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



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Environmental Services Com, y, Inc. Northwest Branch 1107 Century Springdale, AR 72764

Phone: 501-221-2565	Fax: 501-221-1341		Cr	JAIN (	JF CU	510	DY	F	Phone	479	)-750	)-117	0 F	ax 4	79-75	50-117	2
	Client Information				Pr	oject Inf	ormation	**************************************	***************************************			Rea	lueste	ed P	aran	neter	S
Company Name:	Clinton, East GW1	3		Permit/Pro	oject #:		AR0048	836	101-brofallésen,2005-60		1	1			Τ	Т	Γ
Address:	P.O. Box 277			Purchase	Order #:			4 T			1						
	Clinton, AR 72031			- Work Orde							1						
Telephone:	501-745-4320			Sampler N		TTA	070	PTFR	775		1						
Contact:	Mr. Phil Graham					<u> </u>			<u> </u>		(;;						
FAX:	501-745-2164		***	and Signal	ture(s):	120	121	Oto,		1	Chloride(7.)						
ESC Client Number:	507					her or y		<u> </u>	<u>_</u>		Ŀ	3(91					
Sample Id	lentification	T	Sample	Collection		Τ	Sample (	Containers	s	inite reasons and	(27.)	ON+					
	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva		#	TDS(27.	NO2 +NO3(91.)					
Well #13	21070102.61	07/26/21	1410	Grab	Water	Plastic	1 Liter	≤ 6 Deg C		1	x			-	-	-	<b></b>
		1	L	Grab	Water	Plastic	1 Liter	H2SO4		1		x			1		
																+	
					1									-	+		
				-		1									-		
				1	1	1	1				<b> </b>					+	
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Relinquished By: (Signature and Prir	nted Name)	Date	Time	Received By: (Sig	gnature and Printed	d Name)		Date	Tim	ne	1	ody Sea				لــــــلـه	
Relinquished By: (Signature and Prir	nted Name)	Date	Time	Received By: (Sic	gnature and Printed	d Name)		Date	Tim	ıe	Used Turna	? around:	5	In	ntact?		J
Relinquiched By: /Signature and Bri	inted Name)	Data	Time	Destination	D						Regu		Ù		pecial		
DataPleter	THED PIRS	07/2/2/	^{Time} 1640		By: (Signature and			Date 71 <b>76/</b> 21	Tim 1341				les prope	rly pre	eserved No	<b>آ</b>	
Cool all samples to $\leq 6$ degi	rees C with ice.				Flowy Da		Field/Test	Time	Analys		Resu		Result		Uni	ts	
Comments:	·····				Analyst:		pH:	1415	RA		6.	3	6.2		5.0		
				<u>I</u>	Time: Reading:		Sp Cond:	1625	Dh	P	167	.0	167.0	20	$\mathbf{M}$	MOS	, 
					Units:												
Total Depth-99.10:	15444																
H20 Depth - 99.9:	8 ft 1 in				Chlorinated?	ΥN	Fecal Start:				This	Doci	ument	is Pa	ige i	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

		***		****	······································		
Control Number: Customer Name :	2107010262 CLINTON, EAST GW14		Date : 07 Time : 13			ed By: DMP y By : DMP	
	No. : 508 / AR0048836 001		Type : GR		Work Or		
Report Date : 0			From : WE			e Order :	
		L			······		
	]	Laboratory Analysi	s			Quality A	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	% Recovery
07/30 1410 EJD	Chloride (as Cl)	10.0 mg/L			SM 2011 4500 Cl C	18.18	101.0 *
07/26 1335 DMP	рН	6.0 S.U.			SM 2011 4500-H+B	0.00	N/A *
07/28 1125 AKA	Solids, Total Dissolved	80.0 mg/L			SM 2011 2540 C	3.05	N/A *
07/26 1630 DMP	Spec. Conductance @ 25 C	103.300 umho	/c		EPA 120.1	0.07	N/A *
07/27 1155 EJD	Nitrate + Nitrite	0.78 mg/L			HACH 10206	3.32	100.0 *
07/26 1330 DMP	Well Depth, Total	13.10 Feet				N/A	N/A
07/26 1330 DMP	Depth to Water	9.45 Feet				N/A	N/A
	-				8		
					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. 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 Co., Inc.

En imental Services Company, Inc. Corporate Office

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



Environmental Services Com, J, Inc. Northwest Branch 1107 Century Springdale, AR 72764

Phone: 501-221-2565	Fax: 501-221-1341		CF	IAIN (	JF CU	510	DY	F	Phone	479	-750	)-117	0 Fa	ax 479	}-750	-1172	
	Client Information				Pr	oject Inf	formation		00427463823483467675459948	hácilmáinneiteac	Γ	Rec	lueste	d Pa	rame	eters	NA SALAR
Company Name:	Clinton, East GW14	4		Permit/Pro	oject #:		AR00488	836				]		Τ			
Address:	P.O. Box 277			Purchase	Order #:												
	Clinton, AR 72031			Work Orde	er#			************									
Telephone:	501-745-4320			Sampler N		1 TAI	M	PIF	RU	$\overline{\nabla}$							
Contact:	Mr. Todd Burgess					V	-	+ <u>*</u> <u>*</u> <u>*</u> <u>*</u> <u>*</u>			s(7.)						
FAX:	501-745-2164			and Signa	ture(s):	1720	IL PI	ie	N		Chloride(7.)						
ESC Client Number:	508			Ŭ		Le					Chl	3(91					
Sample Id	dentification		Sample	Collection		The second se	Sample (	Container	s		(27.)	N N V +					
	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume		1	#	TDS(27.	NO2 +NO3(91.)					
Well # 14	2/07010262	07/26/21	1330	Grab	Water	Plastic	1 Liter	≤ 6 Deg C		1	x						
		L	L	Grab	Water	Plastic	1 Liter	H2SO4		1		X					
					1	1		1									
							-										
					1	1	1										
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Relinguished By: (Signature and Pri	rinted Name)	Date	Time	Received By: (Si	gnature and Printed	d Name)		Date	Tim		Used Turna	? around	5	Inta	ct?		
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Doco Pre- Signature and Pri	AND PIERIE	07/2/2)	Time (640)	Received for Lab	By: (Signature and	d Printed Name	e) nh~	Date	Tim 164			sampl Yes	les propei		erved: No		
Cool all samples to $\leq$ 6 deg	grees C with ice.	-1-0/1	10.02	1/	Flow D		Field/Test	Time	Analys		Resi		Result	_	Units	<b>_</b>	
Comments:				·	Analyst:		pH:	1335		R	6.0		6.0		· V.	-	
				L	Time:		Sp Cond:	1630	DN	P	10	53	103.3	07	MHO	25	
······································					Reading: Units:				<u> </u>					<u> </u>			
Total Depth-99.10:	1374 17n			bikan dia manina kaominina dia mpika			<b> </b>										
H20 Depth - 99.9:	9F+ 4.5in				Chlorinated?	ΥN	Fecal Start:		1		This	Doc	ument i	is Pag	e 7	1	-

BXV

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-13	341		Tel.	Northwest Arkans 1107 Century Springdale, A (479)750-1170 Fa	Avenue R 72762	2
Control Number: 2107010263 Customer Name : CLINTON, EAST GW16 Customer/Permit No. : 509 / AR0048836 001 Report Date : 07/30/21	Sample	Date : 07/ Time : 125 Type : DRY From :	0	Deliv Work	ected By: DMP very By : Order : wase Order :	
Analysis <u>Date Time By</u> <u>Parameter</u> 07/26 1250 DMP Dry Well * QA data shown is from a different sample or	Result 0.00	<u>Notes</u>	Quantity	Method	Quality Precision <u>% RPD</u> N/A	Assurance Accuracy <u>% Recovery</u> N/A
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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 Co., Inc.

En imental Services Company, Inc. Corporate Office

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ALLAN OF ALLATANY

Phone: 501-221-2565	Fax: 501-221-1341		Cr		JF UU	310	DY	I	Phone	479-	-750	)-117	0 F;	ax 47§	J-750	)-1172
	Client Information				Pr	oject Inf	formation		nan an			Rec	lueste	d Pa	rame	eters
Company Name:	Clinton, East GW1	6		Permit/Pro	oject #:		AR00488	836				]			Τ	
Address:	P.O. Box 277			Purchase	Order #:											
	Clinton, AR 72031			Work Orde	er#	_										
Telephone:	501-745-4320			Sampler N	lame(s):	DAC	NUI	OTA	Z(F.	***						
Contact:	Mr. Todd Burgess					~	\ \		<u> </u>		e(7.)					
FAX:	501-745-2164			and Signa	ture(s):	-D.	5012	PL	C	-	Chloride(7.)					
ESC Client Number:	509			1						-	Ch	+NO3(91.)				
Sample I	dentification		Sample	Collection		1	Sample (	Container	`S		TDS(27.),	NC +NC				
	ESC Control #	Date,	Time	Туре	Matrix	Туре	Volume	1		#	TDS	NO2				
Well #16	21070/0263	07/2.5/21		Grab	Water	Plastic	1 Liter	≤ 6 Deg C	;	1	Х			1		
	L	Ľ		Grab	Water	Plastic	1 Liter	H2SO4		1		X		-		
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Relinquished By: (Signature and I	Printed Name)	Date	Time	Received By: (Si	gnature and Printe	d Name)		Date	Tim		Used Turna	i? around	5	Inta	ct?	
Relipquiched By: (Signature and I	Printed Name	Data	Time	Descived feel at	By: (Signature an		- 2				Regu		V	Spe		
Dail Price D	Printed Name)	07/26/21	Time	Received for Lab	by. (Signature and	o Printeo Nam	e)	Date	Tim	ie I	vere		les propei	Ty prese	erved: No	
Cool all samples to $\leq 6$ de	egrees C with ice.				Flow D	ata	Field Test	Time	Analy	st I	Resi	ult	Result		Units	;
Comments:	$ \longrightarrow  + + + + + + + + + + + + + + + + + +$			· · · · · · · · · · · · · · · · · · ·	Analyst:		pH:									
	ITY Well			1	Time: Reading:		Sp Cond:								A	
	<u>_</u>				Units:				+							
Total Depth-99.10:	1444				1		1		+					+	*****	
H20 Depth - 99.9:					Chlorinated?	YN	Fecal Start:		1	F	This		ument i	s Pag	e t	of

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BXW

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: 2107010264 Customer Name : CLINTON, EAST ( Customer/Permit No. : 649 / AR Report Date : 07/30/21		Sample Dat Sample Tin Sample Typ Sample Fro	ne : 122 pe : GRA	20 AB WATER	Deliver Work Or	ed By: DMP y By : DMP der : e Order :	
Analysis <u>Date Time By Paramet</u> 07/30 1410 EJD Chloride (as C 07/26 1225 DMP pH 07/28 1125 AKA Solids, Total I 07/26 1635 DMP Spec. Conductar 07/27 1155 EJD Nitrate + Nitr: 07/26 1220 DMP Well Depth, Tot 07/26 1220 DMP Depth to Water	ter 1) Dissolved nce @ 25 C ite tal	Result N   10.0 mg/L 5.5 S.U.   63.3 mg/L 65.200 umho/c   5.50 mg/L 17.60 Feet   11.80 Feet 11.80 Feet	<u>Notes</u>	Quantity	Method SM 2011 4500 Cl C SM 2011 4500-H+B SM 2011 2540 C EPA 120.1 HACH 10206	Quality 7 Precision <u>% RPD</u> 18.18 0.00 3.05 0.07 3.32 N/A N/A	Assurance Accuracy <u>% Recovery</u> 101.0 * N/A * N/A * 100.0 * N/A N/A N/A

* 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 Environmental Services Co., Inc.

Environmental Services Company, Inc. Corporate Office

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Environmental Services Com, , Inc. Northwest Branch 1107 Century Springdale, AR 72764

Phone: 501-221-2565	Fax: 501-221-1341		Ur	1AIN C		5101	UΥ	P	hone	479-	-750	-1170	Fa	x 479-7	'50-1 [·]	172
	<b>Client Information</b>				Pr	oject Inf	ormation					Requ	uestec	l Para	mete	ərs
Company Name:	Clinton, East GW1	7		Permit/Pro	ject #:		AR00487	747	anananan							
Address:	P.O. Box 277			Purchase	Order #:											
	Clinton, AR 72031			Work Orde	er#	********										
Telephone:	501-745-4320	****		- Sampler N		DA	UTD	PPFK	2(5							
Contact:	Mr. Todd Burgess	*****									e(7.)					
FAX:	501-745-2164			and Signat	ture(s):	$\mathcal{D}e$	2012	Plet	-0-	17	Chloride(7.)	$\widehat{}$				
ESC Client Number:	649										, C	+NO3(91.)				
Sample Id	entification		Sample	Collection	Arrent and a second and a second second and a second second second second second second second second second s	<b></b>	Sample (	Containers	3		TDS(27.	Ž				
	ESC Control #	Date	Time	Туре	Matrix	Туре	Volume	Preserva	ative	#	<u>a</u>	NO2				
Vell # 17	2107010264	07/26/21	1220	Grab	Water	Plastic	1 Liter	≤ 6 Deg C		1	х			1		
	1	Ĺ	1	Grab	Water	Plastic	1 Liter	H2SO4		1		X				
						1					,					
	******															
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Relinquished By: (Signature and Pri	inted Name)	Date	Time	Received By: (Si	gnature and Printer	Name)		Date	Tim	1		dy Sea			l	
Relinquished By: (Signature and Pri	inted Name)	Date	Time	Received By: (Sig	gnature and Printer	d Name)		Date	Tim		Used' Turna	round:	n	Intact?		
			<u> </u>		2						Regul		$\square_{-}$	Specia		
Hearinguished By: (Signature and Pri	MALED PIERS	07/2/2/2	Par lime	Received for Lab				Date 7126121	Tim 1.64	D I			es propert	y preserv N		<b>-</b> ]
Cool all samples to < 6 deg	rees C with ice.	~~ <i></i>		/	Flow D	atal	Field Test	Time	Analy	st I	Resu	ilt F	Result	U	nits	
Comments:			/		Analyst:		pH:	1225	PA-	7			5.5	5,0		
					Time:		Sp Cond:	1635	DN	<u>P</u>	65	24	55.2	<u>10 v</u>	nH0	5
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Total Depth-99.10:	17776610											-+		+		
H20 Depth - 99.9:	114+81n				Chlorinated?	YN	Fecal Start:			F	This	Docu	iment is	Page	l/	1

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

> Collected By: JGK Delivery By : JGK Work Order : Purchase Order :

Control Number: 2112010370	Sample Date : 12/13/21
Customer Name : CLINTON, EAST GW13	Sample Time : 0920
Customer/Permit No. : 507 / AR0048836 001	Sample Type : GRAB WELL WATER
Report Date : 01/04/22	Sample From : #13 (507)

	Quality 2	Assurance					
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	Quantity	Method	% RPD	<u>% Recovery</u>
12/15 0940 DWC	Chloride (as Cl)	20.0 mg/L	1		SM 2011 4500 Cl C	0.00	98.0 *
12/13 0920 JGK		6.1 S.U.			SM 2011 4500-H+B	0.00	N/A *
12/20 0550 NTR	Solids, Total Dissolved	180.0 mg/L	I		SM 2011 2540 C	2.26	N/A *
12/13 0920 JGK					EPA 120.1	0.12	N/A
12/13 0920 JGK	Temperature	9.80 °C			SM 2000 2550 B	0.00	N/A
12/13 1000 NTR	Nitrate + Nitrite	0.89 mg/L			HACH 10206	4.21	101.8 *
12/13 0920 JGK	Well Depth, Total	15.25 Feet				N/A	N/A
12/13 0920 JGK	Depth to Water	9.66 Feet				N/A N/A	N/A N/A
	-					N/A	IN/A

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

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Signature

Services Co., 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

Control Number: 2112010371	Sample Date : 12/13/21	Collected By: JGK
Customer Name : CLINTON, EAST GW14	Sample Time : 0910	Delivery By : JGK
Customer/Permit No. : 508 / AR0048836 001	Sample Type : GRAB WELL WATER	Work Order :
Report Date : 01/04/22	Sample From : #14 (508)	Purchase Order :

Analysis Date Time By	Parameter	Laboratory Analysi.	<u>Notes</u>	Quantity	Method	Quality A Precision _% RPD	Assurance Accuracy % Recovery
12/15 0940 DWC 12/13 0910 JGK	Chloride (as Cl) pH	10.0 mg/L 5.7 S.U.			SM 2011 4500 Cl C SM 2011 4500-H+B	0.00 0.00	98.0 * N/A *
	Solids, Total Dissolved	72.0 mg/L			SM 2011 2540 C	2.26	N/A *
	Spec. Conductance @ 25 C	108.200 umho,	/c		EPA 120.1	0.12	N/A *
12/13 0910 JGK	Temperature	13.70 °C			SM 2000 2550 B	0.00	N/A *
	Nitrate + Nitrite	0.81 mg/L			HACH 10206	4.21	101.8 *
12/13 0910 JGK 12/13 0910 JGK	Well Depth, Total Depth to Water	13.08 Feet				N/A	N/A
12/13 0910 UGA	Depth to water	10.25 Feet				N/A	N/A
	un is from a different com			3-4-			

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

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Signature

Environmental Services Co., Inc.

Corporate Office	Northwest Arkansas Branch					
13715 West Markham	1107 Century Avenue					
Little Rock, AR 72211	Springdale, AR 72762					
Tel. (501)221-2565 Fax (501)221-2	el. (479)750-1170 Fax (479)750-1172					
Control Number: 2112010372	Sample Date : 12/13/21	Collected By: JGK				
Customer Name : CLINTON, EAST GW16	Sample Time : 0945	Delivery By : JGK				
Customer/Permit No. : 509 / AR0048836 001	Sample Type : DRY WELL	Work Order :				
Report Date : 01/04/22	Sample From : #16 (509)	Purchase Order :				
Analysis <u>Date Time By</u> <u>Parameter</u> 12/13 0945 JGK Dry Well 12/13 0945 JGK Well Depth, Total * QA data shown is from a different sample of	<u>Result Notes Quantity</u> 0.00 14.00 Feet	Method   Quality Assurance Precision     Method   % RPD     % RPD   % Recovery     N/A   N/A     N/A   N/A				

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Signature _

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

Control Number: 2112010373	Sample Date : 12/13/21	Collected By: JGK
Customer Name : CLINTON, EAST GW17	Sample Time : 0900	Delivery By : JGK
Customer/Permit No. : 649 / AR0048747 001	Sample Type : GRAB WELL WATER	Work Order :
Report Date : 01/04/22	Sample From : #17 (649)	Purchase Order :

		Laboratory Ana	lysis			Quality 2	Assurance
Analysis						Precision	Accuracy
<u>Date Time By</u>	Parameter	Result	<u>Notes</u>	<u>Quantity</u>	Method	% RPD	% Recovery
12/15 0940 DWC	Chloride (as Cl)	10.0	mg/L		SM 2011 4500 Cl C	0.00	98.0 *
12/13 0900 JGK		5.1	S.U.		SM 2011 4500-H+B	0.00	N/A *
12/20 0550 NTR		60.0	mg/L		SM 2011 2540 C	2.26	N/A *
12/13 0900 JGK		69.000	umho/c		EPA 120.1	0.12	N/A *
12/13 0900 JGK	Temperature	17.10	۰C		SM 2000 2550 B	0.00	N/A *
	Nitrate + Nitrite	5.06	mg/L		HACH 10206	4.21	101.8 *
12/13 0900 JGK	Well Depth, Total	17.50	Feet			N/A	N/A
12/13 0900 JGK	Depth to Water	14.25	Feet			N/A	N/A
* QA data sho	wn is from a different sam	ple or standard	on the same	date.			

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Signature

Environmental Services Co., Inc.



#### Environmental Little Roc **Groundwater Monite**

Sample

Identification (Customer #)

#13 (507)

#14 (508)

#16 (509)

#17 (649)

Relinquished by: Comments:

for

**Clinton Wells** 

	Laboratory Control Number	Sample Time:	Depth To Water	Total Well Depth		ŗ	он	Sam	ole Da Sp		onducta	<u>zlišl</u> nce			erature ees C		Cl, TDS (1L Plastic Deg C)	NO3+N O2 (8 oz Plastic
16	ells				#1	#2	#3	Time	#1	#2	#3	Time	#1	#2	#3	Time		
	21/20103570	0920	9'8''	15' 4"	6.1	6.0	6.0	1	ĺ	168.0		0920	hitembrace and the second		9.8	0920	x	x
1	412010371	0910	10'3"	13' 1"	5.7	5.8	5.7					0410				0910	x	x
1	112010372	6945	Dry	14' 0"	Í	Dry_	wai	0945		y WI		0945			1	0945	х	х
1	2112011373	0900	14'3''	17' 6"	5,1	5.0	5-1	0900	69.0	69.4	69.4	0900	17.1	17.3	17.1	0900	X	х
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#### CITY OF CLINTON CLINTON WATER AND SEWER DEPARTMENT P.O. BOX 277 CLINTON, AR 72031 TELEPHONE (501) 745-4320 FAX (501) 745-2164

TO:ESC	
--------	--

ATTN:_____JOYCE

FAX#:______501-221-1341

FROM: <u>Clinton Water + Sewer</u>

PAGES INCLUDING COVER PAGE: ____/

MESSAGE: Yearly Report 2021

East Plant: 68,112 mg, 193,5 Inches, 2283,19 Acres Dest Plant: No Discharge

Grown : Bermuda Hay Crops East side hand Dwners: Steve Bone & Will Dawson Danny Boone + Ray Grey Jeanings Owners :

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