

Clinton Water & Sewer East Plant

Annual Report
Permit AR0048836 & 5130-WR-2
January 2018 – December 2018



Environmental Services Company, Inc.

Corporate Office

13715 West Markham

Little Rock, Arkansas 72211

501-221-2565 (p)

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www.esclabs.com

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 5130-WR-2
Irrigation Water
Calendar Year 2018

Parameter	Annual Concentration (mg/L)		2018 Application Data				Total Application Since 2003 Pounds/Acre
			Million Gallons/Year	Number of Acres	Gallons per Acre-Year	Pounds per Acre	
CBOD	<	2.0000	60.192	86.00	699,907.0	11.682	
Sodium Absorption Ratio		23.7447	60.192	86.00	699,907.0	138.693	
Fecal Coliform	<	1.0000	60.192	86.00	699,907.0	5.841	
Total Suspended Solids		3.0000	60.192	86.00	699,907.0	17.523	
Potassium		5.5523	60.192	86.00	699,907.0	32.431	
Total Phosphorus		0.2150	60.192	86.00	699,907.0	1.256	
Total Kjeldahl Nitrogen		8.8667	60.192	86.00	699,907.0	51.790	686.19
Ammonia Nitrogen		4.4867	60.192	86.00	699,907.0	26.207	177.28
Nitrate + Nitrite Nitrogen		0.6767	60.192	86.00	699,907.0	3.952	113.61
BOD-5	<	22.7000	60.192	86.00	699,907.0	132.591	1,170.80
Arsenic	<	0.0100	60.192	86.00	699,907.0	0.058	0.54
Cadmium	<	0.0040	60.192	86.00	699,907.0	0.023	0.25
Copper	<	0.0038	60.192	86.00	699,907.0	0.022	0.29
Lead	<	0.0101	60.192	86.00	699,907.0	0.059	0.65
Mercury	<	0.0010	60.192	86.00	699,907.0	0.006	0.10
Selenium		0.0100	60.192	86.00	699,907.0	0.058	0.74
Zinc		0.1424	60.192	86.00	699,907.0	0.832	5.21
Conductivity, minimum (mhos/cm)*		415.00					
Conductivity, maximum (mhos/cm)*		187.00					
pH, minimum (SU)*		7.48					
pH, maximum (SU)*		8.10					
Nitrogen Application Rate (lbs N/acre/year)		24.71					

Crop Grown: Bermuda Hay

*Current year values

Clinton Water and Sewer Department
Clinton, AR
East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID	Clinton East 40.24 LA PB 3							
Control Number	1802010337							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	4.680						
Ammonia Nitrogen	02/19/18	0.3070						
PAN	02/19/18	4.98						
Phosphorous	02/19/18	482.35						
Potassium	02/19/18	2300.00						
Arsenic	02/19/18	14.50						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	12.00						
Lead	02/19/18	22.50						
Magnesium	02/19/18	1741.00						
Mercury	02/19/18	<.1277						
Nickel	02/19/18	33.00						
Zinc	02/19/18	109.50						
Conductivity (mhos/cm)	02/19/18	30.50						
pH (SU)	02/19/18	6.80						

Clinton Water and Sewer Department
Clinton, AR
East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID	Clinton East 40.24 LA PB 30							
Control Number	1802010338							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	10.350						
Ammonia Nitrogen	02/19/18	1.39						
PAN	02/19/18	11.74						
Phosphorous	02/19/18	485.13						
Potassium	02/19/18	1413.50						
Arsenic	02/19/18	16.50						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	10.50						
Lead	02/19/18	17.00						
Magnesium	02/19/18	991.50						
Mercury	02/19/18	<.1195						
Nickel	02/19/18	28.00						
Zinc	02/19/18	75.50						
Conductivity (mhos/cm)	02/19/18	19.59						
pH (SU)	02/19/18	6.90						

Clinton Water and Sewer Department
Clinton, AR
East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID	Clinton East 55.57 LA PB 10							
Control Number	1802010088							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	4.030						
Ammonia Nitrogen	02/19/18	0.5260						
PAN	02/19/18	4.55						
Phosphorous	02/19/18	460.41						
Potassium	02/19/18	1061.50						
Arsenic	02/19/18	9.00						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	6.50						
Lead	02/19/18	12.00						
Magnesium	02/19/18	845.00						
Mercury	02/19/18	<.1176						
Nickel	02/19/18	17.50						
Zinc	02/19/18	61.50						
Conductivity (mhos/cm)	02/19/18	42.80						
pH (SU)	02/19/18	7.11						

Clinton Water and Sewer Department
Clinton, AR
East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID		Clinton East 55.57 LA PB 3						
Control Number		1802010339						
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	3.10						
Ammonia Nitrogen	02/19/18	0.3560						
PAN	02/19/18	3.45						
Phosphorous	02/19/18	391.48						
Potassium	02/19/18	850.00						
Arsenic	02/19/18	8.00						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	7.00						
Lead	02/19/18	10.50						
Magnesium	02/19/18	782.50						
Mercury	02/19/18	<.1188						
Nickel	02/19/18	17.50						
Zinc	02/19/18	50.50						
Conductivity (mhos/cm)	02/19/18	27.00						
pH (SU)	02/19/18	6.80						

Clinton Water and Sewer Department
Clinton, AR
East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID	Clinton East 55.57 LA PB 30							
Control Number	1802010340							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	4.150						
Ammonia Nitrogen	02/19/18	0.2950						
PAN	02/19/18	4.44						
Phosphorous	02/19/18	412.92						
Potassium	02/19/18	1176.50						
Arsenic	02/19/18	9.00						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	7.00						
Lead	02/19/18	12.50						
Magnesium	02/19/18	881.50						
Mercury	02/19/18	<.1196						
Nickel	02/19/18	19.50						
Zinc	02/19/18	62.00						
Conductivity (mhos/cm)	02/19/18	249.00						
pH (SU)	02/19/18	6.83						

Clinton Water and Sewer Department
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East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID	Clinton East LA Airport 9							
Control Number	1802010341							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	9.390						
Ammonia Nitrogen	02/19/18	1.68						
PAN	02/19/18	11.07						
Phosphorous	02/19/18	297.01						
Potassium	02/19/18	1066.00						
Arsenic	02/19/18	8.00						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	6.00						
Lead	02/19/18	9.50						
Magnesium	02/19/18	735.50						
Mercury	02/19/18	<.1304						
Nickel	02/19/18	17.00						
Zinc	02/19/18	45.00						
Conductivity (mhos/cm)	02/19/18	12.52						
pH (SU)	02/19/18	6.96						

Clinton Water and Sewer Department
Clinton, AR
East WWTP - AR0048836
Soil
Calendar Year 2018

Sample ID	Clinton East LA WD 13							
Control Number	1802010342							
Parameter	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)	Sample Date	Analytical Results (mg/Kg)
Nitrate Nitrogen	02/19/18	9.060						
Ammonia Nitrogen	02/19/18	1.47						
PAN	02/19/18	10.53						
Phosphorous	02/19/18	382.10						
Potassium	02/19/18	1716.00						
Arsenic	02/19/18	12.00						
Cadmium	02/19/18	<2.50						
Copper	02/19/18	7.50						
Lead	02/19/18	14.50						
Magnesium	02/19/18	1094.00						
Mercury	02/19/18	<.1306						
Nickel	02/19/18	21.50						
Zinc	02/19/18	64.50						
Conductivity (mhos/cm)	02/19/18	12.07						
pH (SU)	02/19/18	7.22						

Environmental Services Company, Inc.

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13715 West Markham
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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: 1806010510
Customer Name : CLINTON, EAST IW
Customer/Permit No. : 619 / AR0048836 001
Report Date : 08/02/22

Sample Date : 06/28/18
Sample Time : 1022
Sample Type : GRAB WWATER
Sample From : EAST IRRIGATION WTR

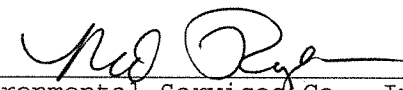
Collected By: JGK
Delivery By : JGK
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/28	1700	PJC	BOD, 5-day	17.0 mg/L			0.00	95.1 *
07/03	1400	PJC	Ammonia as N, (HACH/SM)	5.89 mg/L			2.26	101.1 *
07/02	1230	CLB	Kjeldahl Nitrogen Total	12.60 mg/L			3.35	90.5
07/05	1718	RAH	Potassium	5.5523 mg/L			4.08	107.0 *
07/05	1718	RAH	Copper	< 0.0030 mg/L			7.11	107.5 *
07/05	1718	RAH	Zinc	0.0100 mg/L			3.10	101.5 *
07/05	1718	RAH	Arsenic	< 0.0100 mg/L			4.54	102.6 *
07/05	1718	RAH	Selenium	< 0.0100 mg/L			1.04	103.5 *
06/28	1025	JGK	Spec. Conductance @ 25 C	214.000 umho/c			0.00	N/A *
07/05	1718	RAH	Cadmium	< 0.00400 mg/L			1.80	106.5 *
07/06	1550	RAH	Mercury	< 0.0010 mg/L			2.69	98.9 *
07/05	1718	RAH	Lead	< 0.01000 mg/L			0.30	103.8 *
07/03	1545	NTR	Nitrate + Nitrite	0.54 mg/L			0.94	99.2 *
07/06	0800	RAH	Sodium Absorption Ratio	23.7447 Ratio				

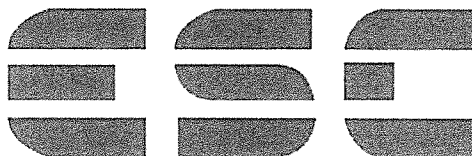
* QA data shown is from a different sample or standard on the same date.

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.

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



Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

Client Information				Project Information							Requested Parameters									
Client: Clinton, East IW				Permit/Project #: AR0048836							BOD(3)	NH3-N(15.A), NO3 + NO2(91.)	TKN(16.A)	Metals (See Comments)						
Address: P.O. Box 277				Purchase Order #:																
Clinton, AR 72031				Work Order #																
Phone: 501-745-4320				Sampler Name(s): J. Kroenschel																
Fax: 501-745-2164																				
Contact: Mr. Phil Graham				and Signature(s): <i>[Signature]</i>																
ESC Client Number: 619																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Irrigation Water	1806010510	6/28/18	1022	Grab	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X										
	I	6/28/18	11	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C, H2SO4 to pH <2	1		X	X								
		6/28/18	6	Grab	Wwater	Plastic	1 Liter	HNO3 to pH <2	1				X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Used? ☒ Intact? ☐										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Regular ☒ Special ☐										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:										
J. Kroenschel		6/28/18	1700	Christina Brown				6/28/18	1700	Yes ☒ No ☐										
				Flow Data		Field Test		Time	Analyst	Result	Result	Units								
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)				Analyst:		pH:		1025	JW	7.48	7.48	S.U.								
Cd(48.HW), Pb(82.HW)				Time:		Conduct:		1025	JW	214	214	UMHOS								
				Reading:																
				Units:																
						Fecal Start:				This Document is Page 2 of 2										

Environmental Services Company, Inc.

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

Control Number: 1808010370
Customer Name : CLINTON, EAST IW
Customer/Permit No. : 619 / AR0048836 001
Report Date : 09/04/18

Sample Date : 08/22/18
Sample Time : 0950
Sample Type : GRAB WWATER
Sample From : IRRIGATION WATER

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
08/24	0800	DAH	BOD, 5-day	39.30 mg/L		SM 2011 5210 B	0.65	103.9 *
08/24	0715	NTR	Ammonia as N, (HACH/SM)	1.78 mg/L		H/SM 11 10205/4500	1.75	100.0 *
08/31	1320	NTR	Total Kjeldahl Nitrogen	6.0 mg/L		02/2014 HACH 10242	2.30	100.3 *
08/22	0954	JJM	pH	7.5 S.U.		SM 2000 4500-H+B	0.00	N/A *
08/28	1600	PJC	Copper	0.00500 mg/L		EPA 200.8	2.80	94.2 *
08/28	1600	PJC	Zinc	0.3910 mg/L		EPA 200.8	6.26	97.1 *
08/28	1600	PJC	Arsenic	< 0.0100 mg/L		EPA 200.8	0.30	96.8 *
08/28	1600	PJC	Selenium	< 0.0100 mg/L		EPA 200.8	2.23	94.1 *
08/22	0954	JJM	Spec. Conductance @ 25 C	415.000 umho/c		SM1997 2510B	0.00	N/A
08/28	1600	PJC	Cadmium	< 0.0040 mg/L		EPA 200.8	0.24	93.6 *
08/28	1600	PJC	Mercury	< 0.0010 mg/L		EPA 245.1	10.26	103.4 *
08/28	1600	PJC	Lead	0.0102 mg/L		EPA 200.8	2.81	90.3 *
08/29	0930	CLB	Nitrate + Nitrite	1.03 mg/L		HACH 10206	19.00	90.4 *
* QA data shown is from a different sample or standard on the same date.								

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Signature


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



Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters							
Client: Clinton, East IW						Permit/Project #: AR0048836							BOD(3.) NH₃-N(15.A), NO₃ + NO₂(91.) TKN(16.C) Metals (See Comments)							
Address: P.O. Box 277						Purchase Order #:														
Clinton, AR 72031						Work Order #:														
Phone: 501-745-4320						Sampler Name(s): Josh Miller														
Fax: 501-745-2164						and Signature(s): Josh Miller														
Contact: Mr. Phil Graham																				
ESC Client Number: 619																				
Sample Identification			Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Irrigation Water	1808010370	8/22/18	0950	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X										
	↓	↓	↓	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H ₂ SO ₄ to pH <2	1		X	X								
				Grab	Wwater	Plastic	1 Liter	HNO ₃ to pH <2	1				X							
Relinquished By: (Signature and Printed Name)						Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:						
Relinquished By: (Signature and Printed Name)						Date	Time	Received By: (Signature and Printed Name)				Date	Time	Used? ☒ Intact? ☐						
Relinquished By: (Signature and Printed Name) Josh Miller						Date	Time	Received for Lab By: (Signature and Printed Name) Christina Brown				Date	Time	Turnaround: Regular ☒ Special ☐						
Comments: Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW) Cd(48.HW), Pb(82.HW), 00.MD						How Data				Field Test	Time	Analyst	Result	Result	Units					
						Analyst:				pH:	0454	SSM	7.5		S.U.					
						Time:				Conduct:	0454	SSM	415	415	U MHOS					
						Reading:														
						Units:														
															This Document is Page 1 of 1					

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

Control Number: 1811010350
Customer Name : CLINTON, EAST IW
Customer/Permit No. : 619 / AR0048836 001
Report Date : 12/04/18

Sample Date : 11/19/18
Sample Time : 1335
Sample Type : GRAB WWATER
Sample From : IRRIGATION WATER

Collected By: TMO
Delivery By : TMO
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
11/21	0630	DWC	BOD, 5-day	11.80 mg/L			12.73	106.6 *
11/21	1300	TCF	Ammonia as N, (HACH/SM)	5.79 mg/L			2.19	98.9 *
11/27	0900	TCF	Total Kjeldahl Nitrogen	8.0 mg/L			2.13	101.0
11/19	1339	TMO	pH	8.1 S.U.			0.00	N/A *
11/30	1200	PJC	Copper	0.00330 mg/L			2.42	101.1
11/30	1200	PJC	Zinc	0.0261 mg/L			2.90	99.3
11/30	1200	PJC	Arsenic	< 0.0100 mg/L			9.60	96.2
11/30	1200	PJC	Selenium	< 0.0100 mg/L			1.74	95.5
11/19	1339	TMO	Spec. Conductance @ 25 C	187.000 umho/c			0.00	N/A
11/30	1200	PJC	Cadmium	< 0.0040 mg/L			0.05	98.1
11/21	1500	PJC	Mercury	< 0.0010 mg/L			2.48	88.0
11/30	1200	PJC	Lead	< 0.0100 mg/L			7.75	97.9
11/21	1545	TCF	Nitrate + Nitrite	0.46 mg/L			1.49	101.0 *

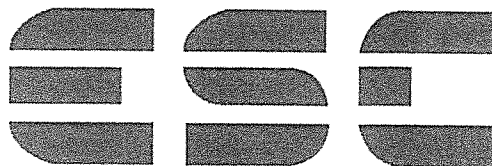
* QA data shown is from a different sample or standard on the same date.

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website: www.esclabs.com



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Carlsbad, New Mexico
575-887-1ESC

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

CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters					
Client: Clinton, East IW						Permit/Project #: AR0048836						NH₃-N(15.A), NO₃ + NO₂(91.) TKN(16.C) Metals (See Comments)					
Address: P.O. Box 277						Purchase Order #:											
Clinton, AR 72031						Work Order #:											
Phone: 501-745-4320						Sampler Name(s): <i>Timothy O'Neal</i>											
Fax: 501-745-2164						and Signature(s): <i>Timothy O'Neal</i>											
Contact: Mr. Phil Graham																	
ESC Client Number: 619																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	BOD(3.)	NH ₃ -N(15.A), NO ₃ + NO ₂ (91.)	TKN(16.C)	Metals (See Comments)				
Irrigation Water	181010350	11-19-18	1335	Grab	Wwater	Plastic	1 Liter	Cool ≤ 6° C	1	X							
				Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H ₂ SO ₄ to pH <2	1		X	X					
				Grab	Wwater	Plastic	1 Liter	HNO ₃ to pH <2	1				X				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? ☒ Intact? ☐									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Regular ☒ Special ☐									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Yes ☒ No ☐									
Comments:		Metals: Hg(50.15), Cu(29.HW), Zn(30.HW), As(33.HW), Se(34.HW)				Flow Data		Field Test		Time	Analyst	Result	Result	Units			
		Cd(48.HW), Pb(82.HW), 00.MD				Analyst:		pH:		1339	TMO	8.1	8.1	S.U.			
						Time:		Conduct:		1339	19.7	187.0	187.0	U MHOS			
						Reading:											
						Units:											
This Document is Page 1 of 1																	

Environmental Services Company, Inc.

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

Control Number: 1801010088
Customer Name : CLINTON, EAST 001
Customer/Permit No. : 495 / AR0048836 001
Report Date : 01/12/18

Composite Date: 01/03/18 - 01/04/18
Sample Time : 0900-0900/1210(1-4)
Sample Type : 24 HR COMP/GRAB WW
Sample From : FINAL EFFLUENT

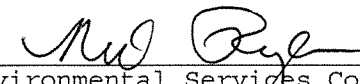
Collected By: PG/TCF
Delivery By : TCF
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
01/04	1207	TCF	Dissolved Oxygen	12.10 mg/L		57.48 #/day	HACH 10360 R1.2	0.96	N/A *
01/05	1630	PJC	Ammonia as N, (HACH/SM)	2.25 mg/L	(b)	10.69 #/day	SM 2011 4500-NH3-G	2.06	102.6 *
01/04	1207	TCF	pH	7.5 S.U.			SM 2011 4500-H+B	0.00	N/A *
01/11	0900	PJC	Solids, Total Suspended	3.00 mg/L		14.25 #/day	SM 2011 2540 D	0.00	N/A *
01/04	1910	TCF	E. Coliforms	< 1.0 /100ml			06/2012 Colilert18		
01/04	1910	TCF	Fecal Coliform	< 1.0 /100ml			06/2012 Colilert18		
01/05	0700	JJM	BOD, Carbonaceous	< 2.0 mg/L		9.50 #/day	SM 2011 5210 B	0.00	95.6 *
Flow				0.570000	MGD				

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

(b) Exceeds Permit Limits for Average Concentration

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Signature 
Environmental Services Co., Inc.

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website: www.esclabs.com



Springdale, Arkansas
479-750-1170

Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

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

Client Information						Project Information							Requested Parameters											
Client:						Clinton, East 001		Permit/Project #:									AR0048836							
Address:						P.O. Box 277		Purchase Order #:																
						Clinton, AR 72031		Work Order #																
Phone:						501-745-4320		Sampler Name(s):									Phil Graham							
Fax:						501-745-2164		and Signature(s):									Phil Graham							
Contact:						Mr. Phil Graham																		
ESC Client Number:						495 (3X per week)																		
Sample Identification				Sample Collection				Sample Containers				CBOD(70.), TSS(28.) NH3-N(15.A) Fecal Coliform (43.IF), E. Coli(43.IE)												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#															
Final Effluent	1801010088	1-3-18 1-4-18	0900 0900	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X														
I	L	1-3-18 1-4-18	0900 0900	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X													
		1-4-18	1210	Grab	Wwater	Whirlpak	4 oz	Cool ≤ 6 °C	2			X												
Relinquished By: (Signature and Printed Name)				Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:												
Phil Graham				1-3-18	10AM	Trevor Fortman				1-4-18	1205	Used? ☒ Intact? ☐												
Relinquished By: (Signature and Printed Name)				Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround: Regular ☒ Special ☐												
Trevor Fortman				1-4-18	1900	Christina Brown				1-5-18	0800	Were samples properly preserved: Yes ☒ No ☐												
Comments:						Flow Data	Field Test	Time	Analyst	Result	Result	Units												
Flow-direct read from meter						Analyst: TCF	Grab pH:	1207	TCF	7.5		S.U.												
						Time: 1205	Grab DO:	1207	TCF	12.1		mg/L												
						Reading: 0.600000	E Coli Start	1910	TCF															
Sample received in secured cooler for lab						Units: MGO	Fecal Start:	1910	TCF															
												This Document is Page 1 of 1												

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Control Number: 1801010351
Customer Name : CLINTON, EAST 001
Customer/Permit No. : 495 / AR0048836 001
Report Date : 01/18/18

Composite Date:01/05/18 -01/06/18
Sample Time : 1300-1300/1300(1-6)
Sample Type : COMP/GRAB WWATER
Sample From : FINAL EFFLUENT

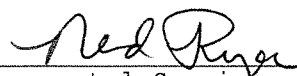
Collected By: PG/PJC
Delivery By : PJC
Work Order :
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
01/09	1430	JJM	Ammonia as N, (HACH/SM)	2.50 mg/L	(b)	11.25 #/day	1.01	112.0 *
01/12	1430	CLB	Phosphorus, Total (as P)	0.215 mg/L		0.97 #/day	6.45	91.2 *
01/11	0900	PJC	Solids, Total Suspended	< 1.00 mg/L		4.50 #/day	1.60	N/A *
01/06	1600	PJC	BOD, Carbonaceous	2.0 mg/L		9.00 #/day	0.00	95.0
01/08	1520	DAH	Nitrate + Nitrite	3.62 mg/L		16.29 #/day	5.46	90.6 *
Flow				0.540000	MGD			

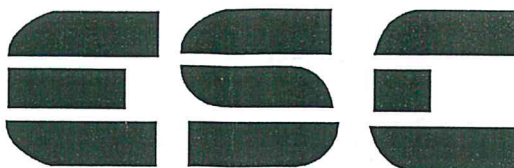
* QA data shown is from a different sample or standard on the same date.
(b) Exceeds Permit Limits for Average Concentration

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Carlsbad, New Mexico
575-887-1ESC

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

CHAIN OF CUSTODY

Client Information						Project Information						Requested Parameters					
Client: Clinton, East 001						Permit/Project #: AR0048836						CBOD(70.), TSS(28.) NH3-N(15.A) Fecal Coliform (43.IF), E. Coli(43.IE)					
Address: P.O. Box 277						Purchase Order #:											
Clinton, AR 72031						Work Order #											
Phone: 501-745-4320						Sampler Name(s): Phil Graham											
Fax: 501-745-2164						and Signature(s): [Signature]											
Contact: Mr. Phil Graham																	
ESC Client Number: 495 (3X per week)																	
Sample Identification		Sample Collection				Sample Containers											
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#								
Final Effluent	1801010351	1-5-18	1PM	24Hr. Comp	Wwater	Plastic	1/2 Gal	Cool ≤ 6° C	1	X							
		1-6-18	1300	24Hr. Comp	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1		X						
		1-6-18	1300	Grab	Wwater	Whirlpak	4 oz	Cool ≤ 6° C	2			X					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:									
[Signature] Phil Graham		1-5-18	1PM	[Signature] Jake Cofer		1-6-18	1300	Used? ☐ Intact? ☐									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:									
								Regular ☐ Special ☐									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:									
[Signature] Jake Cofer		1-6-18	1500	Christina Brown		1-6-18	0800	Yes ☒ No ☐									
Comments:		Flow Data		Field Test		Time		Analyst		Result		Result		Units			
		Analyst: PJC		Grab pH:		1305		PJC		7.9		7.9		S.U.			
		Time: 1305		Grab DO:		1305		PJC		10.9		11.0		mg/L			
		Reading: .630000															
		Units: MGD		E Coli Start		1512		PJC									
				Fecal Start:		1512		PJC									



Head flow from meter.
Sample received for lab via secure
walkin cooler.

0008

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

Control Number: 1802010337
Customer Name : CLINTON, EAST 40.24 LA PB 3
Customer Number : 3004
Report Date : 02/28/18

Sample Date : 02/19/18
Sample Time : 1215
Sample Type : GRAB SOIL
Sample From : EAST LA 40.24 PB3

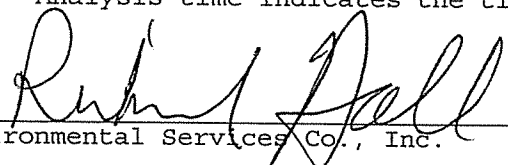
Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.3070 mg/kg			1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1277 mg/Kg			4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	4.680 mg/kg			4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	482.3500 mg/kg			2.19	94.6 *
02/27	1231	RAH	Magnesium	1741.00 mg/Kg			2.37	111.6 *
02/27	1231	RAH	Potassium	2300.00 mg/Kg			2.32	98.7 *
02/23	0900	CLB	pH Soil	6.80 S.U.			0.00	N/A *
02/27	1231	RAH	Nickel	33.00 mg/Kg			0.21	98.3 *
02/27	1231	RAH	Copper	12.00 mg/Kg			0.35	98.2 *
02/27	1231	RAH	Zinc	109.50 mg/Kg			1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	4.98 mg/kg			0.00	100.0 *
02/27	1231	RAH	Arsenic	14.50 mg/Kg			1.50	100.6 *
02/23	0900	CLB	Specific Conductance	30.5000 umhos			0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			0.22	100.8 *
02/27	1231	RAH	Lead	22.50 mg/Kg			2.41	95.1 *

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

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Signature


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Control Number: 1802010338
Customer Name : CLINTON, EAST 40.24 LA PB 30
Customer Number : 3003
Report Date : 03/02/18

Sample Date : 02/19/18
Sample Time : 1230
Sample Type : GRAB SOIL
Sample From : EAST LA 40.24 PB30

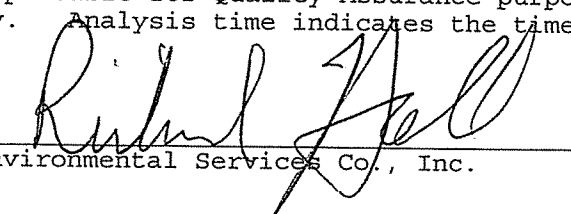
Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

Laboratory Analysis						Quality Assurance	
Analysis						Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	1.3900 mg/kg		SM 1997 4500-NH3 C	1.17 98.2 *
02/22	1520	RAH	Mercury	< 0.1195 mg/Kg		SW-846 7474 02/07	4.78 89.5 *
02/27	1030	CLB	Nitrate Nitrogen	10.350 mg/kg		SM 2000 4500-NO3 E	4.35 98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	485.1300 mg/kg		EPA 365.3	2.19 94.6 *
02/27	1231	RAH	Magnesium	991.50 mg/Kg		SW-846 6020A	2.37 111.6 *
02/27	1231	RAH	Potassium	1413.50 mg/Kg		SW-846 6020A	2.32 98.7 *
02/23	0900	CLB	pH Soil	6.90 S.U.		SW846 9045C	0.00 N/A *
02/27	1231	RAH	Nickel	28.00 mg/Kg		SW-846 6020A	0.21 98.3 *
02/27	1231	RAH	Copper	10.50 mg/Kg		SW-846 6020A	0.35 98.2 *
02/27	1231	RAH	Zinc	75.50 mg/Kg		SW-846 6020A	1.09 107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	11.74 mg/kg		33 MSA 2nd Ed	0.00 100.0 *
02/27	1231	RAH	Arsenic	16.50 mg/Kg		SW-846 6020A	1.50 100.6 *
02/23	0900	CLB	Specific Conductance	19.5900 umhos		EPA (MOD) 9050A	0.00 N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg		SW-846 6020A	0.22 100.8 *
02/27	1231	RAH	Lead	17.00 mg/Kg		SW-846 6020A	2.41 95.1 *

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

Control Number: 1802010088
Customer Name : CLINTON, EAST 55.57 LA PB 10
Customer/Permit No. : 511 / AR0048836 001
Report Date : 02/28/18

Sample Date : 02/19/18
Sample Time : 1145
Sample Type : GRAB SOIL
Sample From : EAST LA 55.57 PB10

Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.5260 mg/kg			SM 1997 4500-NH3 C	1.17	98.2
02/22	1520	RAH	Mercury	< 0.1176 mg/Kg			SW-846 7474 02/07	4.78	89.5
02/27	1030	CLB	Nitrate Nitrogen	4.030 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	460.4100 mg/kg			EPA 365.3	2.19	94.6
02/27	1231	RAH	Magnesium	845.00 mg/Kg			SW-846 6020A	2.37	111.6
02/27	1231	RAH	Potassium	1061.50 mg/Kg			SW-846 6020A	2.32	98.7
02/23	0900	CLB	pH Soil	7.11 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	17.50 mg/Kg			SW-846 6020A	0.21	98.3
02/27	1231	RAH	Copper	6.50 mg/Kg			SW-846 6020A	0.35	98.2
02/27	1231	RAH	Zinc	61.50 mg/Kg			SW-846 6020A	1.09	107.5
02/28	1530	CLB	Nitogen, Plant Available	4.55 mg/kg			33 MSA 2nd Ed	0.00	100.0
02/27	1231	RAH	Arsenic	9.00 mg/Kg			SW-846 6020A	1.50	100.6
02/23	0900	CLB	Specific Conductance	42.8000 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8
02/27	1231	RAH	Lead	12.00 mg/Kg			SW-846 6020A	2.41	95.1

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

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

Control Number: 1802010339
Customer Name : CLINTON, EAST 55.57 LA PB 3
Customer Number : 3002
Report Date : 02/28/18

Sample Date : 02/19/18
Sample Time : 1155
Sample Type : GRAB SOIL
Sample From : EAST LA 55.57 PB3

Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

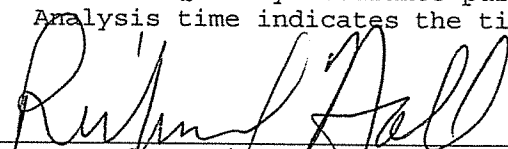
Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.3560 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1188 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	3.100 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	391.4800 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	782.50 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	850.00 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	6.80 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	17.50 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	7.00 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	50.50 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitogen, Plant Available	3.45 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	8.00 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	27.0000 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	10.50 mg/Kg			SW-846 6020A	2.41	95.1 *

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Environmental Services Co. Inc.

Environmental Services Company, Inc.

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

Control Number: 1802010340
Customer Name : CLINTON, EAST 55.57 LA PB 30
Customer Number : 3001
Report Date : 02/28/18

Sample Date : 02/19/18
Sample Time : 1205
Sample Type : GRAB SOIL
Sample From : EAST LA 55.57 PB30

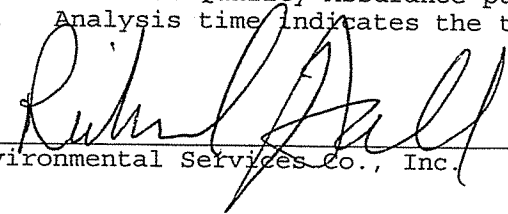
Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

Analysis						Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
02/23	1630	CLB	Ammonia Nitrogen	0.2950 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1196 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	4.150 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	412.9200 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	881.50 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	1176.50 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	6.83 S.U.			SW846 9045C	0.00	N/A
02/27	1231	RAH	Nickel	19.50 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	7.00 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	62.00 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	4.44 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	9.00 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	249.0000 umhos			EPA (MOD)9050A	0.00	N/A
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	12.50 mg/Kg			SW-846 6020A	2.41	95.1 *

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Control Number: 1802010341
Customer Name : CLINTON, EAST LA AIRPORT9
Customer Number : 2959
Report Date : 02/28/18

Sample Date : 02/19/18
Sample Time : 1130
Sample Type : GRAB SOIL
Sample From : EAST LA AIRPORT 9

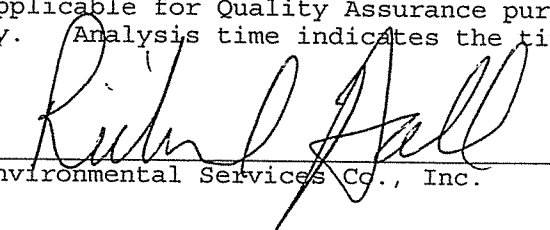
Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	1.6800 mg/kg			1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1304 mg/Kg			4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	9.390 mg/kg			4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	297.0100 mg/kg			2.19	94.6 *
02/27	1231	RAH	Magnesium	735.50 mg/Kg			2.37	111.6 *
02/27	1231	RAH	Potassium	1066.00 mg/Kg			2.32	98.7 *
02/23	0900	CLB	pH Soil	6.96 S.U.			0.00	N/A *
02/27	1231	RAH	Nickel	17.00 mg/Kg			0.21	98.3 *
02/27	1231	RAH	Copper	6.00 mg/Kg			0.35	98.2 *
02/27	1231	RAH	Zinc	45.00 mg/Kg			1.09	107.5 *
02/28	1530	CLB	Nitrogen, Plant Available	11.07 mg/kg			0.00	100.0 *
02/27	1231	RAH	Arsenic	8.00 mg/Kg			1.50	100.6 *
02/23	0900	CLB	Specific Conductance	12.5200 umhos			0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			0.22	100.8 *
02/27	1231	RAH	Lead	9.50 mg/Kg			2.41	95.1 *

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Control Number: 1802010342
Customer Name : CLINTON, EAST LA WD13
Customer Number : 2960
Report Date : 02/28/18

Sample Date : 02/19/18
Sample Time : 1120
Sample Type : GRAB SOIL
Sample From : EAST LA WD13

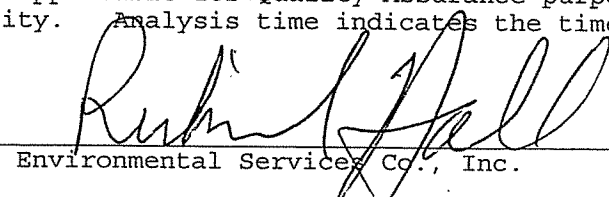
Collected By: TCF
Delivery By : TCF
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance		
Analysis							Precision	Accuracy	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	% RPD	% Recovery
02/23	1630	CLB	Ammonia Nitrogen	1.4700 mg/kg			SM 1997 4500-NH3 C	1.17	98.2 *
02/22	1520	RAH	Mercury	< 0.1306 mg/Kg			SW-846 7474 02/07	4.78	89.5 *
02/27	1030	CLB	Nitrate Nitrogen	9.060 mg/kg			SM 2000 4500-NO3 E	4.35	98.2 *
02/26	1600	CLB	Phosphorous, Total (as P)	382.1000 mg/kg			EPA 365.3	2.19	94.6 *
02/27	1231	RAH	Magnesium	1094.00 mg/Kg			SW-846 6020A	2.37	111.6 *
02/27	1231	RAH	Potassium	1716.00 mg/Kg			SW-846 6020A	2.32	98.7 *
02/23	0900	CLB	pH Soil	7.22 S.U.			SW846 9045C	0.00	N/A *
02/27	1231	RAH	Nickel	21.50 mg/Kg			SW-846 6020A	0.21	98.3 *
02/27	1231	RAH	Copper	7.50 mg/Kg			SW-846 6020A	0.35	98.2 *
02/27	1231	RAH	Zinc	64.50 mg/Kg			SW-846 6020A	1.09	107.5 *
02/28	1530	CLB	Nitogen, Plant Available	10.53 mg/kg			33 MSA 2nd Ed	0.00	100.0 *
02/27	1231	RAH	Arsenic	12.00 mg/Kg			SW-846 6020A	1.50	100.6 *
02/23	0900	CLB	Specific Conductance	12.0700 umhos			EPA (MOD) 9050A	0.00	N/A *
02/27	1231	RAH	Cadmium	< 2.50 mg/Kg			SW-846 6020A	0.22	100.8 *
02/27	1231	RAH	Lead	14.50 mg/Kg			SW-846 6020A	2.41	95.1 *

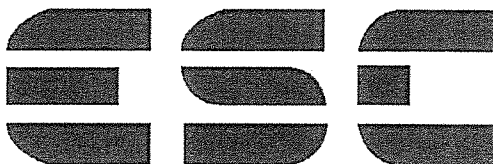
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website: www.esclabs.com



Springdale, Arkansas
479-750-1170

Carlsbad, New Mexico
575-887-1ESC

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

CHAIN OF CUSTODY

Client Information						Project Information				Requested Parameters										
Client: Clinton, City of (East Land App)						Permit/Project #:				Metals (See Comments) Nitrate Nitrogen(01.3), Phos(01.9) Soil pH(23.S), Spec Cond(35.M) Ammonia(01.1), PAN(33.AN)										
Address: P.O. Box 277						Purchase Order #:														
Clinton, AR 72031						Work Order #														
Phone: 501-745-4320						Sampler Name(s): <i>Trevor Forthman</i>														
Fax: Mr. Phil Graham						and Signature(s): <i>[Signature]</i>														
Contact: 501-745-2164																				
ESC Client Number: Various																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
East LA 40.24 PB3 (3004)	1802010337	2-19-18	1215	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 40.24 PB30 (3003)	1802010338	2-19-18	1230	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB10 (511)	1802010088	2-19-18	1145	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB3 (3002)	1802010339	2-19-18	1155	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA 55.57 PB30 (3001)	1802010340	2-19-18	1205	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA Airport9 (2959)	1802010341	2-19-18	1130	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
East LA WD13 (2960)	1802010342	2-19-18	1120	Grab	Soil	Glass	1 Liter	Cool ≤ 6° C	1	X	X	X	X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:												
								Used? ☒ Intact? ☐												
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:												
								Regular ☒ Special ☐												
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:												
<i>[Signature]</i> Trevor Forthman		2-19-18	1515	<i>[Signature]</i> David Cant		2-19-18	1515	Yes ☒ No ☐												
						Flow Data	Field Test	Time	Analyst	Result	Result	Units								
Comments: Hg(01.14), Mn(12.HS), K(19.HS), Ni(28.HS), Cu(29.HS), Zn(30.HS)						Analyst:														
As(33.HS), Cd(48.HS), Pb(82.HS),						Time:														
						Reading:														
						Units:														
						Fecal Start:				This Document is Page <u>1</u> of <u>1</u>										

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Control Number: 1803010322
Customer Name : CLINTON, EAST GW13
Customer/Permit No. : 507 / AR0048836 001
Report Date : 04/02/18

Sample Date : 03/26/18
Sample Time : 1031
Sample Type : GRAB WATER
Sample From : EAST WELL #13

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

Analysis							Laboratory Analysis		Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery	
03/27	0750	DWC	Chloride (as Cl)	12.0 mg/L			SM1997 4500ClC	0.43	92.0 *	
03/26	1031	JJM	pH	6.3 S.U.			SM 2000 4500-H+B	0.00	N/A	
03/27	1430	CLB	Solids, Total Dissolved	140.0 mg/L			SM1997 2540 C	0.00	N/A	
03/26	1031	JJM	Spec. Conductance @ 25 C	260.000 umho/c			SM1997 2510B	0.00	N/A	
03/29	1430	CLB	Nitrate + Nitrite	1.67 mg/L			HACH 10206	1.12	98.3 *	
03/26	1031	JJM	Well Depth, Total	15.40 Feet				N/A	N/A	
03/26	1031	JJM	Depth to Water	10.00 Feet				N/A	N/A	

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Control Number: 1803010323
Customer Name : CLINTON, EAST GW14
Customer/Permit No. : 508 / AR0048836 001
Report Date : 04/02/18

Sample Date : 03/26/18
Sample Time : 1052
Sample Type : GRAB WATER
Sample From : EAST WELL #14

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/27	0750	DWC	Chloride (as Cl)	5.0 mg/L			0.43	92.0 *
03/26	1052	JJM	pH	7.0 S.U.			0.00	N/A *
03/27	1430	CLB	Solids, Total Dissolved	82.0 mg/L			0.00	N/A *
03/26	1052	JJM	Spec. Conductance @ 25 C	126.400 umho/c			0.00	N/A *
03/29	1430	CLB	Nitrate + Nitrite	0.49 mg/L			1.12	98.3 *
03/26	1052	JJM	Well Depth, Total	13.10 Feet			N/A	N/A
03/26	1052	JJM	Depth to Water	9.20 Feet			N/A	N/A

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Control Number: 1803010324
Customer Name : CLINTON, EAST GW16
Customer/Permit No. : 509 / AR0048836 001
Report Date : 03/27/18

Sample Date : 03/26/18
Sample Time :
Sample Type : DRY WELL
Sample From : EAST WELL #16

Collected By:
Delivery By :
Work Order :
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
03/26	1006	JJM	Dry Well	0.00			N/A	N/A
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Control Number: 1803010325
Customer Name : CLINTON, EAST GW17
Customer/Permit No. : 649 / AR0048747 001
Report Date : 04/02/18

Sample Date : 03/26/18
Sample Time : 1016
Sample Type : GRAB WATER
Sample From : EAST WELL #17

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
03/27	0750	DWC	Chloride (as Cl)	1.0 mg/L			0.43	92.0 *
03/26	1016	JJM	pH	6.2 S.U.			0.00	N/A *
03/27	1430	CLB	Solids, Total Dissolved	94.0 mg/L			0.00	N/A *
03/26	1016	JJM	Spec. Conductance @ 25 C	81.100 umho/c			0.00	N/A *
03/29	1430	CLB	Nitrate + Nitrite	4.31 mg/L			1.12	98.3 *
03/26	1016	JJM	Well Depth, Total	17.60 Feet			N/A	N/A
03/26	1016	JJM	Depth to Water	12.80 Feet			N/A	N/A

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Control Number: 1806010504
Customer Name : CLINTON, EAST GW13
Customer/Permit No. : 507 / AR0048836 001
Report Date : 07/06/18

Sample Date : 06/28/18
Sample Time : 1200
Sample Type : GRAB WATER
Sample From : WELL #13

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

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
06/29	1530	DWC	Chloride (as Cl)	20.0 mg/L			0.00	102.5 *
06/28	1200	JGK	pH	6.0 S.U.			0.00	N/A *
07/02	1030	NTR	Solids, Total Dissolved	135.0 mg/L			7.41	N/A
06/28	1200	JGK	Spec. Conductance @ 25 C	258.000 umho/c			0.00	N/A
07/03	1545	NTR	Nitrate + Nitrite	1.44 mg/L			0.94	99.2
06/28	1200	JGK	Well Depth, Total	15.40 Feet			N/A	N/A
06/28	1200	JGK	Depth to Water	9.10 Feet			N/A	N/A

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Control Number: 1806010505
Customer Name : CLINTON, EAST GW14
Customer/Permit No. : 508 / AR0048836 001
Report Date : 07/06/18

Sample Date : 06/28/18
Sample Time : 1056
Sample Type : GRAB WATER
Sample From : WELL #14

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

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>						<u>% RPD</u>	<u>% Recovery</u>
06/29	1530	DWC	Chloride (as Cl)	20.0 mg/L			SM1997 4500ClC	0.00	102.5 *
06/28	1056	JGK	pH	5.5 S.U.			SM 2000 4500-H+B	0.00	N/A *
07/02	1030	NTR	Solids, Total Dissolved	90.0 mg/L			SM1997 2540 C	7.41	N/A *
06/28	1056	JGK	Spec. Conductance @ 25 C	132.600 umho/c			SM1997 2510B	0.00	N/A *
07/03	1545	NTR	Nitrate + Nitrite	1.61 mg/L			HACH 10206	0.94	99.2 *
06/28	1056	JGK	Well Depth, Total	13.10 Feet				N/A	N/A
06/28	1056	JGK	Depth to Water	9.00 Feet				N/A	N/A

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Control Number: 1806010506
Customer Name : CLINTON, EAST GW16
Customer/Permit No. : 509 / AR0048836 001
Report Date : 07/02/18

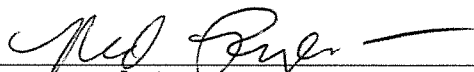
Sample Date : 06/28/18
Sample Time : 1113
Sample Type : DRY WELL
Sample From : WELL #16

Collected By:
Delivery By :
Work Order :
Purchase Order :

Analysis						<u>Laboratory Analysis</u>		<u>Quality Assurance</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
06/28	1113	JGK	Dry Well	0.00				N/A	N/A

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Signature


Environmental Services Co., Inc.

Environmental Services Company, Inc.

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

Control Number: 1806010507
Customer Name : CLINTON, EAST GW17
Customer/Permit No. : 649 / AR0048747 001
Report Date : 07/06/18

Sample Date : 06/28/18
Sample Time : 1047
Sample Type : GRAB WATER
Sample From : WELL #17

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

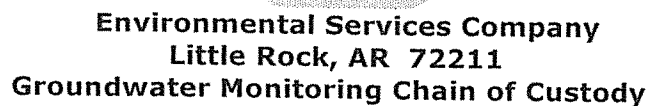
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
<u>Analysis</u>							<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
06/29	1530	DWC	Chloride (as Cl)	10.0 mg/L			0.00	102.5 *
06/28	1047	JGK	pH	5.4 S.U.			0.00	N/A *
07/02	1030	NTR	Solids, Total Dissolved	100.0 mg/L			7.41	N/A *
06/28	1047	JGK	Spec. Conductance @ 25 C	88.900 umho/c			0.00	N/A *
07/03	1545	NTR	Nitrate + Nitrite	6.06 mg/L			0.94	99.2 *
06/28	1047	JGK	Well Depth, Total	17.60 Feet			N/A	N/A
06/28	1047	JGK	Depth to Water	12.00 Feet			N/A	N/A

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Signature


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Sample Date:

Relinquished by: J. Kroenschid	Time: 1700	Received By Lab: Kristina Brown	Date: 6-28-18	Time: 1700
--------------------------------	------------	---------------------------------	---------------	------------

Comments:

JK

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1107 Century Avenue
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Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1808010371
Customer Name : CLINTON, EAST GW13
Customer/Permit No. : 507 / AR0048836 001
Report Date : 09/04/18

Sample Date : 08/22/18
Sample Time : 1055
Sample Type : GRAB WATER
Sample From : EAST WELL #13

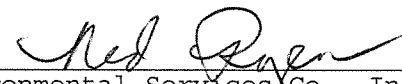
Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
08/29	1315	DWC	Chloride (as Cl)	1.0 mg/L			0.00	101.9 *
08/22	1055	JJM	pH	6.1 S.U.			0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	76.0 mg/L			0.53	N/A *
08/22	1055	JJM	Spec. Conductance @ 25 C	147.100 umho/c			0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	1.58 mg/L			19.00	90.4
08/22	1055	JJM	Well Depth, Total	15.40 Feet			N/A	N/A
08/22	1055	JJM	Depth to Water	7.80 Feet			N/A	N/A

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Control Number: 1808010372
Customer Name : CLINTON, EAST GW14
Customer/Permit No. : 508 / AR0048836 001
Report Date : 08/30/18

Sample Date : 08/22/18
Sample Time : 1110
Sample Type : GRAB WATER
Sample From : EAST WELL #14

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>		
Analysis							Precision	Accuracy	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>% RPD</u>	<u>% Recovery</u>
08/29	1315	DWC	Chloride (as Cl)	7.0 mg/L			SM1997 4500ClC	0.00	101.9 *
08/22	1110	JJM	pH	6.0 S.U.			SM 2000 4500-H+B	0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	80.0 mg/L			SM1997 2540 C	0.53	N/A *
08/22	1110	JJM	Spec. Conductance @ 25 C	134.000 umho/c			SM1997 2510B	0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	1.11 mg/L			HACH 10206	19.00	90.4 *
08/22	1110	JJM	Well Depth, Total	13.10 Feet				N/A	N/A
08/22	1110	JJM	Depth to Water	7.60 Feet				N/A	N/A

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

Control Number: 1808010373
Customer Name : CLINTON, EAST GW16
Customer/Permit No. : 509 / AR0048836 001
Report Date : 08/30/18

Sample Date : 08/22/18
Sample Time : 1014
Sample Type : GRAB WATER
Sample From : EAST WELL #16

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
08/29	1315	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	101.9 *
08/22	1014	JJM	pH	6.5 S.U.			0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	68.0 mg/L			0.53	N/A *
08/22	1014	JJM	Spec. Conductance @ 25 C	81.200 umho/c			0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	0.41 mg/L			19.00	90.4 *
08/22	1014	JJM	Well Depth, Total	14.00 Feet			N/A	N/A
08/22	1014	JJM	Depth to Water	9.00 Feet			N/A	N/A

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Control Number: 1808010374
Customer Name : CLINTON, EAST GW17
Customer/Permit No. : 649 / AR0048747 001
Report Date : 08/30/18

Sample Date : 08/22/18
Sample Time : 1035
Sample Type : GRAB WATER
Sample From : EAST WELL #17

Collected By: JJM
Delivery By : JJM
Work Order :
Purchase Order :

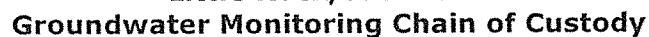
<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis							Precision	Accuracy
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>% RPD</u>	<u>% Recovery</u>
08/29	1315	DWC	Chloride (as Cl)	< 0.1 mg/L			0.00	101.9 *
08/22	1035	JJM	pH	6.0 S.U.			0.00	N/A *
08/24	1245	PJC	Solids, Total Dissolved	108.0 mg/L			0.53	N/A *
08/22	1035	JJM	Spec. Conductance @ 25 C	100.400 umho/c			0.00	N/A *
08/29	0930	CLB	Nitrate + Nitrite	4.10 mg/L			19.00	90.4 *
08/22	1035	JJM	Well Depth, Total	17.60 Feet			N/A	N/A
08/22	1035	JJM	Depth to Water	10.50 Feet			N/A	N/A

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Signature


Environmental Services Co., Inc.



and Signature:

Sample Date:

Time: 1505

Comments:

Environmental Services Company, Inc.

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Control Number: 1811010351
Customer Name : CLINTON, EAST GW13
Customer/Permit No. : 507 / AR0048836 001
Report Date : 11/27/18

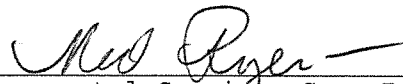
Sample Date : 11/19/18
Sample Time : 1245
Sample Type : GRAB WATER
Sample From : WELL #13

Collected By: TMO
Delivery By : TMO
Work Order :
Purchase Order :

Analysis			<u>Laboratory Analysis</u>				<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			SM1997 4500ClC	0.00	100.0 *
11/19	1245	TMO	pH	6.2 S.U.			SM 2000 4500-H+B	0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	112.0 mg/L			SM1997 2540 C	0.80	N/A *
11/19	1245	TMO	Spec. Conductance @ 25 C	85.700 umho/c			SM1997 2510B	0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	3.37 mg/L			HACH 10206	1.49	101.0 *
11/19	1245	TMO	Well Depth, Total	15.40 Feet				N/A	N/A
11/19	1245	TMO	Depth to Water	13.40 Feet				N/A	N/A

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Control Number: 1811010352
Customer Name : CLINTON, EAST GW14
Customer/Permit No. : 508 / AR0048836 001
Report Date : 11/27/18

Sample Date : 11/19/18
Sample Time : 1225
Sample Type : GRAB WATER
Sample From : WELL #14

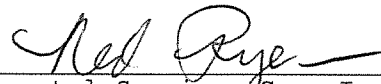
Collected By: TMO
Delivery By : TMO
Work Order :
Purchase Order :

Analysis							<u>Laboratory Analysis</u>			<u>Quality Assurance</u>	
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>		
								<u>% RPD</u>	<u>% Recovery</u>		
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			SM1997 4500ClC	0.00	100.0	*	
11/19	1225	TMO	pH	6.6 S.U.			SM 2000 4500-H+B	0.00	N/A	*	
11/20	0630	ATL	Solids, Total Dissolved	100.0 mg/L			SM1997 2540 C	0.80	N/A	*	
11/19	1225	TMO	Spec. Conductance @ 25 C	83.900 umho/c			SM1997 2510B	0.00	N/A	*	
11/21	1545	TCF	Nitrate + Nitrite	3.19 mg/L			HACH 10206	1.49	101.0	*	
11/19	1225	TMO	Well Depth, Total	13.10 Feet				N/A	N/A		
11/19	1225	TMO	Depth to Water	13.60 Feet				N/A	N/A		

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Springdale, AR 72762
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Control Number: 1811010353
Customer Name : CLINTON, EAST GW16
Customer/Permit No. : 509 / AR0048836 001
Report Date : 11/27/18

Sample Date : 11/19/18
Sample Time : 1210
Sample Type : GRAB WATER
Sample From : WELL #16

Collected By: TMO
Delivery By : TMO
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			0.00	100.0 *
11/19	1210	TMO	pH	6.3 S.U.			0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	96.0 mg/L			0.80	N/A *
11/19	1210	TMO	Spec. Conductance @ 25 C	130.000 umho/c			0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	3.89 mg/L			1.49	101.0 *
11/19	1210	TMO	Well Depth, Total	14.00 Feet			N/A	N/A
11/19	1210	TMO	Depth to Water	14.00 Feet			N/A	N/A

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

Control Number: 1811010354
Customer Name : CLINTON, EAST GW17
Customer/Permit No. : 649 / AR0048747 001
Report Date : 11/27/18

Sample Date : 11/19/18
Sample Time : 1155
Sample Type : GRAB WATER
Sample From : WELL #17

Collected By: TMO
Delivery By : TMO
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
11/26	1230	DWC	Chloride (as Cl)	10.0 mg/L			0.00	100.0 *
11/19	1155	TMO	pH	6.3 S.U.			0.00	N/A *
11/20	0630	ATL	Solids, Total Dissolved	128.0 mg/L			0.80	N/A *
11/19	1155	TMO	Spec. Conductance @ 25 C	127.800 umho/c			0.00	N/A *
11/21	1545	TCF	Nitrate + Nitrite	5.95 mg/L			1.49	101.0 *
11/19	1155	TMO	Well Depth, Total	17.60 Feet			N/A	N/A
11/19	1155	TMO	Depth to Water	12.90 Feet			N/A	N/A

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Figure 1 shows a 2D hexagonal lattice. A central vertex is labeled '1'. The six vertices immediately surrounding it are labeled '2' through '7'. The edges connecting these central vertices are labeled '1' through '6'.

Timothy D'Neal

and Signature:

11-194-18

Relinquished by: <i>Timothy O'Neal</i>	Time: <i>1600</i>	Received By Lab: <i>J. A. Oke Carter</i>	Date: <i>11/19/18</i>	Time: <i>1600</i>
--	-------------------	--	-----------------------	-------------------

Comments:



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: Clinton Water & Sewer

PAGES INCLUDING COVER PAGE: 1

MESSAGE: Yearly Report 2018

East Plant: 60.192 mg, 159 inches, 2038.81 Acres

West Plant: No Spray

Crops Grown: Bermuda Hay

East side Owners: Steve Bone & Will Dawson

West side Owners: Danny Boone & Roy Gray Jennings

IF ALL PAGES ARE NOT RECEIVED PLEASE NOTIFY AT ONCE!