

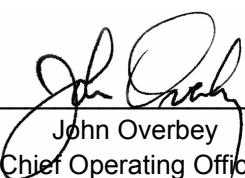


FTN Associates, Ltd.
ATTN: Mr. Jeremy Rigsby
3 Innwood Circle, Suite 220
Little Rock, AR 72211

This report contains the analytical results and supporting information for samples received on September 14, 2021. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

 by LP
John Overbey
Chief Operating Officer

This document has been distributed to the following:

PDF cc: FTN Associates, Ltd.
ATTN: Mr. Jim Malcolm
jtm@ftn-assoc.com

FTN Associates, Ltd.
ATTN: Mr. Jeremy Rigsby
jmr@ftn-assoc.com

FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

SAMPLE INFORMATION

Project Description:

Thirteen (13) water sample(s) received on September 14, 2021
Clinton HG & Cd
Project No. 10362-2724-001

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
258568-1	Intake A	13-Sep-2021 1030	
258568-2	South Sewer 2	13-Sep-2021 1100	
258568-3	East plant intake	13-Sep-2021 1130	
258568-4	Land App Line	13-Sep-2021 1140	
258568-5	DS WWTF	13-Sep-2021 1150	
258568-6	US WWTF	13-Sep-2021 1230	
258568-7	UWAFK01	13-Sep-2021 1350	
258568-8	Jail House	13-Sep-2021 1415	
258568-9	Honey Hill	13-Sep-2021 1445	
258568-10	WHI0190	13-Sep-2021 1540	
258568-11	Chicken Pump	13-Sep-2021 1600	
258568-12	Field Blank	13-Sep-2021 1450	
258568-13	Trip Blank	13-Sep-2021	1

Notes:

1. Sample label was incomplete in regard to date/time of sampling

Qualifiers:

- D Result is from a secondary dilution factor

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", (SM).
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

ANALYTICAL RESULTS

AIC No. 258568-1

Sample Identification: Intake A 13-Sep-2021 1030

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1132 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1031 by 313		Batch: S51569	

AIC No. 258568-2

Sample Identification: South Sewer 2 13-Sep-2021 1100

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1147 by 313		Batch: S51598	
Mercury, low level		0.028	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1036 by 313		Batch: S51569	

AIC No. 258568-3

Sample Identification: East plant intake 13-Sep-2021 1130

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1150 by 313		Batch: S51598	
Mercury, low level		0.072	0.025	ug/l	D
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1128 by 313		Batch: S51569	Dil: 5

AIC No. 258568-4

Sample Identification: Land App Line 13-Sep-2021 1140

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1154 by 313		Batch: S51598	
Mercury, low level		0.0073	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1045 by 313		Batch: S51569	

AIC No. 258568-5

Sample Identification: DS WWTF 13-Sep-2021 1150

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1157 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1059 by 313		Batch: S51569	

FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

ANALYTICAL RESULTS

AIC No. 258568-6

Sample Identification: US WWTF 13-Sep-2021 1230

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1201 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1104 by 313		Batch: S51569	

AIC No. 258568-7

Sample Identification: UWAFK01 13-Sep-2021 1350

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1204 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1109 by 313		Batch: S51569	

AIC No. 258568-8

Sample Identification: Jail House 13-Sep-2021 1415

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1208 by 313		Batch: S51598	
Mercury, low level		0.051	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1114 by 313		Batch: S51569	

AIC No. 258568-9

Sample Identification: Honey Hill 13-Sep-2021 1445

Analyte		Result	RL	Units	Qualifier
Cadmium		0.00066	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1211 by 313		Batch: S51598	
Mercury, low level		0.014	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1118 by 313		Batch: S51569	

AIC No. 258568-10

Sample Identification: WHI0190 13-Sep-2021 1540

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1215 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0926 by 313	Analyzed: 15-Sep-2021 1123 by 313		Batch: S51569	

FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

ANALYTICAL RESULTS

AIC No. 258568-11

Sample Identification: Chicken Pump 13-Sep-2021 1600

Analyte		Result	RL	Units	Qualifier
Cadmium		0.0026	0.0026	mg/l	D
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1218 by 313		Batch: S51598	Dil: 5
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0927 by 313	Analyzed: 15-Sep-2021 1230 by 313		Batch: S51570	

AIC No. 258568-12

Sample Identification: Field Blank 13-Sep-2021 1450

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1229 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0927 by 313	Analyzed: 15-Sep-2021 1234 by 313		Batch: S51570	

AIC No. 258568-13

Sample Identification: Trip Blank 13-Sep-2021

Analyte		Result	RL	Units	Qualifier
Cadmium		< 0.0005	0.0005	mg/l	
EPA 200.8	Prep: 20-Sep-2021 1620 by 313	Analyzed: 21-Sep-2021 1233 by 313		Batch: S51598	
Mercury, low level		< 0.0050	0.0050	ug/l	
EPA 245.7	Prep: 15-Sep-2021 0927 by 313	Analyzed: 15-Sep-2021 1239 by 313		Batch: S51570	

FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Cadmium	0.02 mg/l	99.5	85.0-115			S51598	20Sep21 1620 by 313	21Sep21 1114 by 313		
Mercury, low level	0.01 ug/l	111	76.0-113			S51569	15Sep21 0926 by 313	15Sep21 1017 by 313		
Mercury, low level	0.01 ug/l	99.0	76.0-113			S51570	15Sep21 0927 by 313	15Sep21 1156 by 313		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Cadmium	258569-3	0.02 mg/l	92.7	75.0-125	S51598	20Sep21 1620 by 313	21Sep21 1103 by 313		
	258569-3	0.02 mg/l	94.0	75.0-125	S51598	20Sep21 1620 by 313	21Sep21 1106 by 313		
	Relative Percent Difference:		1.39	20.0	S51598				
Mercury, low level	258568-1	0.01 ug/l	97.6	63.0-111	S51569	15Sep21 0926 by 313	15Sep21 1021 by 313		
	258568-1	0.01 ug/l	83.6	63.0-111	S51569	15Sep21 0926 by 313	15Sep21 1026 by 313		
	Relative Percent Difference:		13.0	18.0	S51569				
Mercury, low level	258569-3	0.01 ug/l	91.4	63.0-111	S51570	15Sep21 0927 by 313	15Sep21 1201 by 313		
	258569-3	0.01 ug/l	82.6	63.0-111	S51570	15Sep21 0927 by 313	15Sep21 1206 by 313		
	Relative Percent Difference:		8.05	18.0	S51570				

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Cadmium	< 0.0003 mg/l	0.0003	0.0005	S51598-1	20Sep21 1620 by 313	21Sep21 1052 by 313	
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S51569-1	15Sep21 0926 by 313	15Sep21 0954 by 313	
Mercury, low level	< 0.0030 ug/l	0.0030	0.0050	S51570-1	15Sep21 0927 by 313	15Sep21 1142 by 313	



258568

Date 14 Sep 21		Project Name Clinton Hg & Cd		Project No. 10362-0724-001		Project Manager (Print) Jeremy Rigby		Page 1 of 12	
Laboratory Name: American Interplex		Submitted by: FTN Associates, Ltd. 3 Innwood Circle, Suite 220 Little Rock, AR 72211 (501) 225-7779 • Fax (501) 225-6738				Parameters (Method Number)			
Sampler Signature(s) <i>John Schenke</i>		Recorded By (Print)		Clean metals low level Hg Cd				Clean metals low level Hg	
Lab Turn-Around-Time ☐ 24 Hours ☐ 48 Hours ☐ Normal ☐ Other: ___/___/___ Due: ___/___/___									
Laboratory Notes									
SAMPLE DESCRIPTION									
Sample Identification	Date	Time	Matrix* W S O	No. of Containers	Comp	Grab			
Intake A	13 Sep 21	1030	X	2		X	X	X	
Southsewer 2		1100							
East plant intake		1130							
Land App line		1140							
DS WWTF		1150							
US WWTF		1230							
WWAFK01		1350							
Jail house		1415							
Container Type							P	NO	
Preservative									
* Matrix: W = Water S = Soil O = Other G = Glass P = Plastic H = HCl to pH2 T = Sodium Thiosulfate NO = None S = Sulfuric acid pH2 V = VOA vials B = NaOH to pH12 Z = Zinc acetate									
Relinquished By (Signature) <i>John Schenke</i>	Print Name John Schenke	Date 14 Sep 21	Time 0840	Received By (Signature)	Print Name	Date	Time		
Relinquished By (Signature)	Print Name	Date	Time	Received By Laboratory (Signature)	Print Name	Date	Time		
				<i>John Schenke</i>	John Schenke	9-14-21	0840		
Collected near the surface									
Laboratory Remarks: S.92									



258568

Date 14 Sep 2021	Project Name Clinton Hg & Cd	Project No. 10362-2724-001	Project Manager (Print) Jeremy Rigsby	Page 2 of 2
Laboratory Name: American Interplex	Submitted by: FTN Associates, Ltd. 3 Innwood Circle, Suite 220 Little Rock, AR 72211 (501) 225-7779 • Fax (501) 225-6738		Parameters (Method Number)	
Sampler Signature(s) <i>Kevin Schanke</i>	Recorded By (Print)		Lab Turn-Around-Time ☐ 24 Hours ☐ 48 Hours ☐ Normal ☐ Other: ___/___/___ Due: ___/___/___	
SAMPLE DESCRIPTION				
Sample Identification	Date	Time	Matrix* W S O	No. of Containers
9 Honey Hill	13 Sep 21	1445	X	2
10 WHIST90		1540		
11 Chicken pump		1600		
12 Field Blank		1450		
13 Blank				
Container Type P G NO NO				
Preservative S = Soil H = HCl to pH2 B = NaOH to pH12 O = Other				
Relinquished By (Signature) <i>Kevin Schanke</i>	Print Name Kevin Schanke	Date 14 Sep 21	Time 0840	Received By (Signature) <i>Kevin Schanke</i>
Relinquished By (Signature)	Print Name	Date	Time	Received By Laboratory (Signature) <i>Danny Brown</i>
Laboratory Remarks: Collected near the surface				
5.9°C				