

DRINKING WATER - DISINFECTION BYPRODUCTS ANALYSIS

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Water System / Client Name: Hartshorne

PWSID# OK3006101

Sample #	Date Collected	Time Collected	State ID / Client ID Sample Location	Location Code	Sample Container / Preservation	Analysis Requested
1812414	12/13/18	0810	2841 Old Salvage Hwy	DBP04	3 - 40ml G VOA Vials w/Na ₂ S ₂ O ₃ 1 - 250ml GA w/NH ₄ Cl	Stage 2 DBP THMs & HAA5
1812415	12/13/18	0840	1101 Pennsylvania Ave	HAA5_01	3 - 40ml G VOA Vials w/Na ₂ S ₂ O ₃ 1 - 250ml GA w/NH ₄ Cl	Stage 2 DBP THMs & HAA5
Sampler: <u>Transportation Condition & Comments: Old Salvage Clarin. 64/1101 Penn. 1.41</u>						

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Roy Mittle	12/13/18	[Signature]	12-13-18	[Signature]	12-13-18	[Signature]	12-13-18

Report To: _____ Send Invoice To: _____

Address: _____ Address: _____

Phone/Fax Number: _____ Phone/Fax Number: _____

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

13526 CR 3630 / 131 Arlington
 Ada, OK 74820-0722
 (580) 332-8808 Phone (580) 421-9110 Fax
 EPA Laboratory Code: OK00921
 ODEQ State ID No. D9935

Client Name: Hartshorne
 1101 Penn Ave
 Hartshorne, OK 74547

 PWSID# OK3006101

Date Received: 12/13/2018

 Report Date: 12/18/2018

 Lab ID Series: 1812414-415

- CERTIFICATE OF ANALYSIS -

Sample Date / Time	Sample ID	Parameter	Results	Units	Analysis Date / Time	Method		
12-13-18 / 08:10	2841 Old Salvage Hwy - DBP04	Bromodichloromethane	15.4	µg/L	12-17-18 / 07:58	EPA 524.4		
		Bromoform	<1.0	µg/L	12-17-18 / 07:58	EPA 524.4		
		Chloroform	61.7	µg/L	12-17-18 / 07:58	EPA 524.4		
		Dibromochloromethane	3.09	µg/L	12-17-18 / 07:58	EPA 524.4		
		Trihalomethanes	80.2	µg/L	12-18-18 / 08:50	EPA 524.4 (Calc)		
		Bromoacetic acid	<5.0	µg/L	12-17-18 / 18:59	EPA 552.3		
		Chloroacetic acid	<5.0	µg/L	12-17-18 / 18:59	EPA 552.3		
		Dibromoacetic acid	<5.0	µg/L	12-17-18 / 18:59	EPA 552.3		
		Dichloroacetic acid	15.1	µg/L	12-17-18 / 18:59	EPA 552.3		
		Trichloroacetic acid	15.6	µg/L	12-17-18 / 18:59	EPA 552.3		
		HAA5	30.7	µg/L	12-18-18 / 08:50	EPA 552.3 (Calc)		
		12-13-18 / 08:40	1101 Pennsylvania Ave - HAA5_01	Bromodichloromethane	11.4	µg/L	12-17-18 / 09:23	EPA 524.4
				Bromoform	<1.0	µg/L	12-17-18 / 09:23	EPA 524.4
Chloroform	37.4			µg/L	12-17-18 / 09:23	EPA 524.4		
Dibromochloromethane	2.83			µg/L	12-17-18 / 09:23	EPA 524.4		
Trihalomethanes	51.6			µg/L	12-18-18 / 08:56	EPA 524.4 (Calc)		
Bromoacetic acid	<5.0			µg/L	12-17-18 / 19:38	EPA 552.3		
Chloroacetic acid	<5.0			µg/L	12-17-18 / 19:38	EPA 552.3		
Dibromoacetic acid	<5.0			µg/L	12-17-18 / 19:38	EPA 552.3		
Dichloroacetic acid	14.9			µg/L	12-17-18 / 19:38	EPA 552.3		
Trichloroacetic acid	11.6			µg/L	12-17-18 / 19:38	EPA 552.3		
HAA5	26.5			µg/L	12-18-18 / 08:56	EPA 552.3 (Calc)		

Bold result indicates value above MCL

THM - 80 µg/L HAA5 - 60 µg/L

 Laboratory Personnel

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- QUALITY CONTROL -

Parameter	Reporting Limit (RL) µg/L	Blank µg/L	MS % Rec	MSD % Rec
<u>EPA Method 524.4</u>				
Bromodichloromethane	1.0	ND	86.0	102
Bromoform	1.0	ND	82.1	84.5
Chloroform	1.0	ND	73.0	105
Dibromochloromethane	1.0	ND	89.1	95.1
<u>EPA Method 552.3</u>				
Bromoacetic acid	5.0	ND	97.8	105
Chloroacetic acid	5.0	ND	96.0	95.0
Dibromoacetic acid	5.0	ND	92.3	105
Dichloroacetic acid	5.0	ND	91.0	97.0
Trichloroacetic acid	5.0	ND	107	91.0

*=Out Of Control

ND = Non Detect

Laboratory Personnel

