

# 2020 Water Analysis



*The following are water analysis of the Upper Leon River MWD for the year indicated, as required by the Texas Commission on Environmental Quality (TCEQ) and the Federal EPA*

<b>WTP @ Point-Of-Entry Analysis Type</b>	<b>Collection Date</b>	<b>Analysis Date</b>
VOCs	07/15/2020	07/23/2020
Single Mineral - Cyanide	07/15/2020	07/22/2020
Pesticides	07/15/2020	07/27/2020
SOC <sub>5</sub>	07/15/2020	07/22/2020
All Metals	07/15/2020	07/16-08/03/2020
All Minerals	07/15/2020	07/16-07/20/2020
<b>Distribution System Analysis Type</b>	<b>Collection Date</b>	<b>Analysis Date</b>
Trihalomethanes (THM)	03/05/2020	03/13/2020
Haloacetic Acids (HAA5)	03/05/2020	03/15/2020
Trihalomethanes (THM)	05/07/2020	05/20/2020
Haloacetic Acids (HAA5)	05/07/2020	05/14/2020
Trihalomethanes (THM)	07/15/2020	07/21/2020
Haloacetic Acids (HAA5)	07/15/2020	07/23/2020
Trihalomethanes (THM)	11/10/2020	11/16/2020
Haloacetic Acids (HAA5)	11/10/2020	11/18/2020



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**Volatile Organic Compounds by GC/MS  
 Analysis Report**

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
 PIRKLE, GYALE  
 2250 HIGHWAY 2861  
 COMANCHE, TX 76442-5619

Date Reported : 07/30/2020  
 Report ID#: 20200730090834AF19409

Lab Sample ID# : AF19409	Water Source :	Date Collected : 07/15/2020 11:57	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 07/16/2020	Method : EPA 524.2
TCEQ ID#(s) : 2007034		Date Analyzed : 07/23/2020	Analyst : JL
			Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier	Monitored Cmpds.[40 CFR 141.40(j)]	Result	Qualifier
Benzene <sup>1</sup>	<0.5		1,2,4-Trimethylbenzene	<1.0	
Carbon tetrachloride <sup>1</sup>	<0.5		1,2,3-Trichlorobenzene	<1.0	
Monochlorobenzene <sup>1</sup>	<0.5		n-Propylbenzene	<1.0	
o-Dichlorobenzene <sup>1</sup>	<0.5		n-Butylbenzene	<1.0	
para-Dichlorobenzene <sup>1</sup>	<0.5		Naphthalene	<1.0	
1,2-Dichloroethane <sup>1</sup>	<0.5		Hexachlorobutadiene	<1.0	
1,1-Dichloroethylene <sup>1</sup>	<0.5		1,3,5-Trimethylbenzene	<1.0	
cis-1,2-Dichloroethylene <sup>1</sup>	<0.5		4-Isopropyltoluene	<1.0	
trans-1,2-Dichloroethylene <sup>1</sup>	<0.5		Isopropylbenzene	<1.0	
1,2-Dichloropropane <sup>1</sup>	<0.5		t-Butylbenzene	<1.0	
Dichloromethane <sup>1</sup>	<0.5		s-Butylbenzene	<1.0	
Ethylbenzene <sup>1</sup>	<0.5		Trichlorofluoromethane	<2.0	
Styrene <sup>1</sup>	<0.5		Dichlorodifluoromethane	<2.0	
Tetrachloroethylene <sup>1</sup>	<0.5		Bromochloromethane	<1.0	
Toluene <sup>1</sup>	<0.5				
1,2,4-Trichlorobenzene <sup>1</sup>	<0.5		<b>Other Compounds</b>	<b>Result</b>	<b>Qualifier</b>
1,1,1-Trichloroethane <sup>1</sup>	<0.5		Acetone	<10	
1,1,2-Trichloroethane <sup>1</sup>	<0.5		Acrylonitrile	<10	
Trichloroethylene <sup>1</sup>	<0.5		2-Butanone (MEK)	<10	
Vinyl chloride <sup>1</sup>	<0.5		Carbon disulfide	<1.0	
Xylenes (total) <sup>1</sup>	<0.5		Ethyl methacrylate	<1.0	
			2-Hexanone	<1.0	
<b>Monitored Cmpds.[40 CFR 141.40(e)]</b>	<b>Result</b>	<b>Qualifier</b>	Iodomethane	<5.0	
Chloroform	4.9		Methyl methacrylate	<1.0	
Bromodichloromethane	9.8		4-Methyl-2-pentanone (MIBK)	<2.0	
Dibromochloromethane	9.5		Methyl-t-butyl ether (MTBE)	<0.5	
Bromoform	6.5		Tetrahydrofuran	<5.0	
Dibromomethane	<1.0				
1,3-Dichlorobenzene	<1.0		<b>Comments:</b>		
1,1-Dichloropropene	<1.0				
1,1-Dichloroethane	<1.0				
1,1,2,2-Tetrachloroethane	<1.0				
1,3-Dichloropropane	<1.0				
Chloromethane	<2.0				
Bromomethane	<2.0				
1,2,3-Trichloropropane	<1.0				
1,1,1,2-Tetrachloroethane	<1.0				
Chloroethane	<2.0				
2,2-Dichloropropane	<1.0				
2-Chlorotoluene	<1.0				
4-Chlorotoluene	<1.0				
Bromobenzene	<1.0				
cis-1,3-Dichloropropene	<1.0				
trans-1,3-Dichloropropene	<1.0				

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead CJONES on 07/29/2020



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### \*SINGLE MINERAL Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 07/30/2020  
Report ID# : 20200730090834AF19371

Lab Sample ID# : AF19371  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2031338

Water Source :  
Entry Point(s) : EP001

Date Collected : 07/15/2020 11:53  
Date Received : 07/16/2020

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Total Cyanide <sup>1</sup>	< 0.01	mg/L	10-204-00-1-X	07/22/2020 12:08	MD

#### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager DDUBOISE on 07/29/2020



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## Pesticides by Method 508.1 Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 08/06/2020  
Report ID# : 20200806094331AF19421

Lab Sample ID# : AF19421  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2009036

Water Source :  
Entry Point(s) : EP001

Date Collected : 07/15/2020 11:58  
Date Received : 07/16/2020  
Date Analyzed : 07/27/2020

Conc. Units : ug/L  
Method : 508.1 Rev. 2.0  
Analyst : JH  
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Chlordane <sup>1</sup>	<0.20	
Endrin <sup>1</sup>	<0.01	
Heptachlor epoxide <sup>1</sup>	<0.02	
Toxaphene <sup>1</sup>	<1.0	

### Comments:

EPA method 525.2 - presence of atrazine confirmed by previous analyses per the Texas Drinking Water Watch website. The test results on this report relate only to the sample identified on this report. The test results for analytes noted<sup>(1)</sup> meet all TNI (2009 Standard) requirements.

Authorized by Group Manager TDUNN on 08/06/2020



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## Semivolatiles Organic Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
 PIRKLE, GYALE  
 2250 HIGHWAY 2861  
 COMANCHE, TX 76442-5619

Date Reported : 08/06/2020  
 Report ID# : 20200806094331AF19421

Lab Sample ID# : AF19421	Water Source :	Date Collected : 07/15/2020 11:58	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 07/16/2020	Method : EPA 525.2
TCEQ ID#(s) : 2009036		Date Analyzed : 07/22/2020	Analyst : JO
		Extraction Date : 07/21/2020	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor <sup>1</sup>	<0.2		Dimethylphthalate	<2.0	
Atrazine <sup>1</sup>	<b>0.14</b>	N	Fluorene	<0.20	
Benzo[a]pyrene <sup>1</sup>	<0.02		2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.50	L
alpha-Chlordane	<0.2		2,2',4,4',5,6'-Hexachlorobiphenyl	<0.20	
gamma-Chlordane	<0.2		Indeno[1,2,3-cd]pyrene	<0.20	
trans-Nonachlor	<0.2		Metolachlor	<0.20	
Di(2-ethylhexyl) adipate <sup>1</sup>	<0.6		Metribuzin	<0.20	L
Di(2-ethylhexyl) phthalate <sup>1</sup>	<0.6		Naphthalene	<0.20	
Heptachlor <sup>1</sup>	<0.04		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	L
Hexachlorobenzene <sup>1</sup>	<0.1		2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Hexachlorocyclopentadiene <sup>1</sup>	<0.1	*	Phenanthrene	<0.20	
Lindane <sup>1</sup>	<0.02		Propachlor	<0.20	
Methoxychlor <sup>1</sup>	<0.1		Pyrene	<0.20	
Simazine <sup>1</sup>	<0.07		2,2',4,4'-Tetrachlorobiphenyl	<0.20	
			2,4,5-Trichlorobiphenyl	<0.20	
<b>Monitored Compounds</b>	<b>Result</b>	<b>Qualifier</b>	Trifluralin	<0.20	
Acenaphthene	<0.20				
Acenaphthylene	<0.20		<b>Tentatively Identified Compounds</b>	<b>Result</b>	<b>Qualifier</b>
Aldrin	<0.20		HEXADECANOIC ACID	<b>3.5</b>	<b>T</b>
Anthracene	<0.20				
Benzo(a)anthracene	<0.20		Tentative identification of the largest non-target peaks is provided by comparison with the EPA/NIH mass spectral library. Approximate quantitation is performed using internal standards and an assumed response factor of one.		
Benzo[b]fluoranthene	<0.20		<b>Comments:</b>		
Benzo[g,h,i]perylene	<0.20		N - See sample comments.		
Benzo[k]fluoranthene	<0.20		* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.		
Bromacil	<0.20		L - The associated laboratory fortified blank spike (and/or its duplicate) recovery was below method acceptance limits.		
Butachlor	<0.20		T - Tentatively identified compound. Concentration is estimated and based on the closest internal standard.		
Butylbenzylphthalate	<2.0		EPA method 525.2 - presence of atrazine confirmed by previous analyses per the Texas Drinking Water Watch website. The test results on this report relate only to the sample identified on this report. The test results for analytes noted(*) meet all TNI (2009 Standard) requirements.		
2-Chlorobiphenyl	<0.20				
Chrysene	<0.20				
Dibenz[a,h]anthracene	<0.20				
Di-n-butylphthalate	<2.0				
2,3-Dichlorobiphenyl	<0.20				
Dieldrin	<0.20				
Diethylphthalate	<2.0				



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## \*ALL METALS Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 08/06/2020  
Report ID# : 20200806094331AF19372

Lab Sample ID#: AF19372      Water Source :  
Sample Priority : NORMAL      Entry Point(s) : EP001  
TCEQ ID#(s) : 2014275

Date Collected : 07/15/2020 11:58  
Date Received : 07/16/2020

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	07/16/2020	TH
pH Check	Completed		EPA 200.2	07/17/2020	BF
Turbidity Screen	Completed		SM 2130B	07/17/2020	BF
Visible Particles	Completed			07/17/2020	BF
Total Hardness as CaCO3 by Calculation	<b>165</b>	mg/L	SM 2340B	08/03/2020	BF
Aluminum <sup>1</sup>	<b>0.0201</b>	mg/L	EPA 200.8	07/29/2020	AS
Antimony <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	07/29/2020	AS
Arsenic <sup>1</sup>	<b>0.0021</b>	mg/L	EPA 200.8	07/29/2020	AS
Barium <sup>1</sup>	<b>0.0947</b>	mg/L	EPA 200.8	07/29/2020	AS
Beryllium <sup>1</sup>	< 0.00080	mg/L	EPA 200.8	07/29/2020	AS
Cadmium <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	07/29/2020	AS
Calcium	<b>37.2</b>	mg/L	EPA 200.7	08/03/2020	BF
Chromium <sup>1</sup>	< 0.0100	mg/L	EPA 200.8	07/29/2020	AS
Copper <sup>1</sup>	<b>0.0135</b>	mg/L	EPA 200.8	07/29/2020	AS
Iron <sup>1</sup>	< 0.010	mg/L	EPA 200.7	08/03/2020	BF
Lead <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	07/29/2020	AS
Magnesium <sup>1</sup>	<b>17.6</b>	mg/L	EPA 200.7	08/03/2020	BF
Manganese <sup>1</sup>	<b>0.0073</b>	mg/L	EPA 200.8	07/29/2020	AS
Mercury <sup>1</sup>	< 0.00040	mg/L	EPA 245.1	07/22/2020	BF
Nickel <sup>1</sup>	<b>0.0015</b>	mg/L	EPA 200.8	07/29/2020	AS
Potassium <sup>1</sup>	<b>9.44</b>	mg/L	EPA 200.7	08/03/2020	BF
Selenium <sup>1</sup>	<b>0.0036</b>	mg/L	EPA 200.8	07/29/2020	AS
Silver <sup>1</sup>	< 0.0100	mg/L	EPA 200.8	07/29/2020	AS
Sodium <sup>1</sup>	<b>51.3</b>	mg/L	EPA 200.7	08/03/2020	BF
Thallium <sup>1</sup>	< 0.00040	mg/L	EPA 200.8	07/29/2020	AS
Zinc <sup>1</sup>	<b>0.0306</b>	mg/L	EPA 200.8	07/29/2020	AS

**Comments:**

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead EBOYER on 08/05/2020



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## \*ALL MINERALS Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 08/06/2020  
Report ID# : 20200806094331AF19368

Lab Sample ID# : AF19368  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2016940

Water Source :  
Entry Point(s) : EP001

Date Collected : 07/15/2020 11:58  
Date Received : 07/16/2020

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.5	pH			
Diluted Conductance @ 25.0 °C <sup>1</sup>	666	µmho/cm	SM 2510 B	07/20/2020 13:30	TT
Phenolphthalein Alkalinity as CaCO <sub>3</sub>	<10	mg/L	SM 2320B	07/16/2020 14:13	NP
Total Alkalinity as CaCO <sub>3</sub>	91	mg/L	SM 2320B	07/16/2020 14:13	NP
Bicarbonate	111	mg/L	SM 2320B	07/16/2020 14:13	NP
Carbonate	<10	mg/L	SM 2320B	07/16/2020 14:13	NP
Fluoride <sup>1</sup>	0.17	mg/L	EPA 300.0	07/16/2020 15:15	NP
Chloride <sup>1</sup>	104	mg/L	EPA 300.0	07/16/2020 15:53	NP
Sulfate <sup>1</sup>	48	mg/L	EPA 300.0	07/16/2020 15:15	NP
Total Dissolved Solids <sup>1</sup>	357	mg/L	SM 2540C	07/16/2020 13:23	TT
Nitrate as N <sup>1</sup>	0.08	mg/L	EPA 353.2	07/16/2020 11:52	NP

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager DDUBOISE on 08/06/2020



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## Trihalomethanes by GC/MS Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 03/24/2020  
Report ID# : 20200324095922AF01396

Lab Sample ID# : AF01396  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2047271

Water Source :  
Entry Point(s) : DBP2-02

Date Collected : 03/05/2020 13:37  
Date Received : 03/06/2020  
Date Analyzed : 03/13/2020

Conc. Units : µg/L  
Method : EPA 524.2  
Analyst : JL  
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	3.3	
Bromodichloromethane	10.0	
Dibromochloromethane	14.6	
Bromoform	13.7	
Total Trihalomethanes <sup>1</sup>	41.6	

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead CJONES on 03/19/2020





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## Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 03/31/2020

Report ID# : 20200331134312AF01399

Lab Sample ID# : AF01399  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2046539

Water Source :  
Entry Point(s) : DBP2-01

Date Collected : 03/05/2020 13:05  
Date Received : 03/06/2020  
Date Analyzed : 03/15/2020  
Extraction Date : 03/13/2020

Conc. Units : µg/L  
Method : 552.2 Rev 1.0  
Analyst : BF  
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	<b>10.2</b>	
Trichloroacetic acid	<b>1.4</b>	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	<b>13.2</b>	
Total HAA5 <sup>1</sup>	<b>24.8</b>	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	<b>13.8</b>	
Dalapon	<1.0	

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(\*) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead AMIERTSCH on 03/26/2020



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## Trihalomethanes by GC/MS Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD

PIRKLE, GYALE

2250 HIGHWAY 2861

COMANCHE, TX 76442-5619

Date Reported : 05/28/2020

Report ID# : 20200528093518AF09839

Lab Sample ID# : AF09839

Water Source :

Date Collected : 05/07/2020 09:07

Conc. Units : µg/L

Sample Priority : NORMAL

Entry Point(s) : DBP2-02

Date Received : 05/08/2020

Method : EPA 524.2

TCEQ ID#(s) : 2047348

Date Analyzed : 05/20/2020

Analyst : TB

Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	4.7	
Bromodichloromethane	10.3	
Dibromochloromethane	10.2	
Bromoform	8.0	
Total Trihalomethanes <sup>1</sup>	33.2	

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager TDUNN on 05/27/2020



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## Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 05/21/2020  
Report ID# : 20200521104825AF09842

Lab Sample ID# : AF09842  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2046706

Water Source :  
Entry Point(s) : DBP2-01

Date Collected : 05/07/2020 08:33  
Date Received : 05/08/2020  
Date Analyzed : 05/14/2020  
Extraction Date : 05/12/2020  
Conc. Units : µg/L  
Method : 552.2 Rev 1.0  
Analyst : JH  
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	<b>12.9</b>	
Trichloroacetic acid	<b>1.6</b>	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	<b>12.0</b>	
Total HAA5 <sup>1</sup>	<b>26.5</b>	

<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	<b>14.4</b>	
Dalapon	<1.0	

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(\*) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager TDUNN on 05/20/2020



# Texas Department of State Health Services

LABORATORY SERVICES SECTION, MC-1947  
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## Trihalomethanes by GC/MS Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 07/28/2020  
Report ID# : 20200728095131AF19401

Lab Sample ID# : AF19401  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2047739

Water Source :  
Entry Point(s) : DBP2-02

Date Collected : 07/15/2020 12:22  
Date Received : 07/16/2020  
Date Analyzed : 07/21/2020

Conc. Units : µg/L  
Method : EPA 524.2  
Analyst : KL  
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	5.6	
Bromodichloromethane	13.1	
Dibromochloromethane	15.7	
Bromoform	12.9	
Total Trihalomethanes <sup>1</sup>	47.3	

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2009 Standard) requirements.

Authorized by Chemist TBOROWSKI on 07/24/2020



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LABORATORY SERVICES SECTION, MC-1947  
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## Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 08/04/2020  
Report ID# : 20200804091932AF19404

Lab Sample ID# : AF19404	Water Source :	Date Collected : 07/15/2020 11:20	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : DBP2-01	Date Received : 07/16/2020	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 2047056		Date Analyzed : 07/23/2020	Analyst : JH
		Extraction Date : 07/22/2020	Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	<b>11.4</b>	
Trichloroacetic acid	<b>2.2</b>	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	<b>14.7</b>	
Total HAA5 <sup>1</sup>	<b>28.3</b>	

  

<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	<b>15.6</b>	
Dalapon	<1.0	

**Comments:**

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager TDUNN on 08/03/2020



# Texas Department of State Health Services

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## Trihalomethanes by GC/MS Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 11/19/2020  
Report ID# : 20201119105606AF33848

Lab Sample ID# : AF33848  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2047846

Water Source :  
Entry Point(s) : DBP2-02

Date Collected : 11/10/2020 11:40  
Date Received : 11/10/2020  
Date Analyzed : 11/16/2020

Conc. Units : µg/L  
Method : EPA 524.2  
Analyst : MA  
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	3.5	
Bromodichloromethane	8.6	
Dibromochloromethane	9.1	
Bromoform	5.1	
Total Trihalomethanes <sup>1</sup>	26.3	

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(\*) meet all TNI (2009 Standard) requirements.

Authorized by Chemist TBOROWSKI on 11/17/2020



# Texas Department of State Health Services

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## Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

UPPER LEON RIVER MWD  
PIRKLE, GYALE  
2250 HIGHWAY 2861  
COMANCHE, TX 76442-5619

Date Reported : 12/03/2020  
Report ID# : 20201203110519AF33849

Lab Sample ID# : AF33849  
Sample Priority : NORMAL  
TCEQ ID#(s) : 2047163

Water Source :  
Entry Point(s) : DBP2-01

Date Collected : 11/10/2020 11:08  
Date Received : 11/10/2020  
Date Analyzed : 11/18/2020  
Extraction Date : 11/16/2020  
Conc. Units : µg/L  
Method : 552.2 Rev 1.0  
Analyst : CS  
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	<b>8.9</b>	
Trichloroacetic acid	<b>1.3</b>	
Monobromoacetic acid	<b>1.0</b>	
Dibromoacetic acid	<b>9.5</b>	
Total HAA5 <sup>1</sup>	<b>20.7</b>	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	<b>12.0</b>	
Dalapon	<1.0	

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(\*) meet all TNI (2009 Standard) requirements.

Authorized by Chemist JHE on 12/02/2020