

2018 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

WTP @ Point-Of-Entry Analysis Type	Collection Date	Analysis Date
All Minerals	02/28/2018	03/01/2018
All Metals	02/28/2018	03/01/2018
Single Mineral - Cyanide	02/28/2018	03/01/2018
SOCs	02/28/2018	03/12/2018
Pesticides	02/28/2018	03/19/2018
Radionuclides - Uranium	02/28/2018	04/05/2018
Radionuclides - Other	02/28/2018	3/21 & 5/29/18
VOCs	09/12/2018	09/19/2018
Distribution System Analysis Type	Collection Date	Analysis Date
Trihalomethanes (THM)	02/28/2018	03/06/2018
Haloacetic Acids (HAA5)	02/28/2018	03/09/2018
Trihalomethanes (THM)	06/14/2018	06/18/2018
Haloacetic Acids (HAA5)	06/14/2018	06/23/2018
Trihalomethanes (THM)	09/12/2018	09/19/2018
Haloacetic Acids (HAA5)	09/12/2018	09/19/2018
Trihalomethanes (THM)	11/20/2018	12/03/2018
Haloacetic Acids (HAA5)	11/20/2018	12/01/2018



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LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

*ALL MINERALS Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 03/20/2018
Report ID# : 20180320112036AE15919

Lab Sample ID# : AE15919
Sample Priority : NORMAL
TCEQ ID#(s) : 1817855

Water Source :
Entry Point(s) : EP001

Date Collected : 02/28/2018 10:04
Date Received : 03/01/2018

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.4	pH			
Diluted Conductance @ 25.0 °C ¹	702	µmho/cm	SM 2510 B	03/01/2018 12:30	CP
Phenolphthalein Alkalinity as CaCO ₃	<2	mg/L	SM 2320B	03/07/2018 12:01	LA
Total Alkalinity as CaCO ₃	108	mg/L	SM 2320B	03/07/2018 12:01	LA
Bicarbonate	132	mg/L	SM 2320B	03/07/2018 12:01	LA
Carbonate	<2	mg/L	SM 2320B	03/07/2018 12:01	LA
Fluoride ¹	0.12	mg/L	EPA 300.0	03/13/2018 17:24	LA
Chloride ¹	86	mg/L	EPA 300.0	03/14/2018 16:25	LA
Sulfate ¹	85	mg/L	EPA 300.0	03/14/2018 16:25	LA
Total Dissolved Solids ¹	384	mg/L	SM 2540C	03/01/2018 08:30	CP
Nitrate as N ¹	0.23	mg/L	EPA 353.2	03/01/2018 14:43	AL

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 Team Lead LARCHER on 03/15/2018



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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 : 03/29/2018
Report ID#: 20180329102358AE15958

Lab Sample ID# : AE15958
Sample Priority : NORMAL
TCEQ ID#(s) : 1815088

Water Source :
Entry Point(s) : EP001

Date Collected : 02/28/2018 10:04
Date Received : 03/01/2018

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	03/01/2018	IU
pH Check	Completed		EPA 200.2	03/02/2018	BF
Turbidity Screen	Completed		SM 2130B	03/02/2018	BF
Visible Particles	Completed			03/02/2018	BF
Total Hardness as CaCO3 by Calculation	237	mg/L	SM 2340B	03/07/2018	KH
Aluminum ¹	0.0477	mg/L	EPA 200.8	03/06/2018	IU
Antimony ¹	< 0.0010	mg/L	EPA 200.8	03/06/2018	IU
Arsenic ¹	0.0026	mg/L	EPA 200.8	03/09/2018	IU
Barium ¹	0.0770	mg/L	EPA 200.8	03/06/2018	IU
Beryllium ¹	< 0.00080	mg/L	EPA 200.8	03/06/2018	IU
Cadmium ¹	< 0.0010	mg/L	EPA 200.8	03/06/2018	IU
Calcium	62.6	mg/L	EPA 200.7	03/07/2018	KH
Chromium ¹	< 0.0100	mg/L	EPA 200.8	03/06/2018	IU
Copper ¹	< 0.0020	mg/L	EPA 200.8	03/06/2018	IU
Iron ¹	< 0.010	mg/L	EPA 200.7	03/20/2018	KH
Lead ¹	< 0.0010	mg/L	EPA 200.8	03/06/2018	IU
Magnesium ¹	19.7	mg/L	EPA 200.7	03/07/2018	KH
Manganese ¹	0.0017	mg/L	EPA 200.8	03/06/2018	IU
Mercury ¹	< 0.00040	mg/L	EPA 245.1	03/09/2018	BF
Nickel ¹	0.0018	mg/L	EPA 200.8	03/06/2018	IU
Potassium ¹	10.9	mg/L	EPA 200.7	03/07/2018	KH
Selenium ¹	0.0031	mg/L	EPA 200.8	03/06/2018	IU
Silver ¹	< 0.0100	mg/L	EPA 200.8	03/06/2018	IU
Sodium ¹	54.2	mg/L	EPA 200.7	03/20/2018	KH
Thallium ¹	< 0.00040	mg/L	EPA 200.8	03/06/2018	IU
Zinc ¹	< 0.0050	mg/L	EPA 200.8	03/06/2018	IU

Comments:

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Authorized by Team Lead EBOYER on 03/27/2018



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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 : 03/13/2018

Report ID# : 20180313103753AE15938

Lab Sample ID# : AE15938

Water Source :

Date Collected : 02/28/2018 10:06

Sample Priority : NORMAL

Entry Point(s) : EP001

Date Received : 03/01/2018

TCEQ ID#(s) : 1827099

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Total Cyanide ¹	0.08	mg/L	10-204-00-1-X	03/12/2018 12:22	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 Team Lead HNGO on 03/12/2018



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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 : 04/10/2018
 Report ID#: 20180410131328AE16160

Lab Sample ID# : AE16160	Water Source :	Date Collected : 02/28/2018 10:09	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 03/01/2018	Method : EPA 525.2
TCEQ ID#(s) : 1809246		Date Analyzed : 03/12/2018	Analyst : BF
		Extraction Date : 03/08/2018	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor	<0.2		Dimethylphthalate	<2.0	
Atrazine	<0.1		Fluorene	<0.20	
Benzo[a]pyrene	<0.02		2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.50	
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	<0.6		Metribuzin	<0.20	
Di(2-ethylhexyl) phthalate	<0.6		Naphthalene	<0.20	
Heptachlor	<0.04		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	
Hexachlorobenzene	<0.1		2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Hexachlorocyclopentadiene	<0.1	*	Phenanthrene	<0.20	
Lindane	<0.02		Propachlor	<0.20	
Methoxychlor	<0.1		Pyrene	<0.20	
Simazine	<0.07		2,2',4,4'-Tetrachlorobiphenyl	<0.20	
Monitored Compounds	Result	Qualifier	2,4,5-Trichlorobiphenyl	<0.20	
Acenaphthene	<0.20		Trifluralin	<0.20	

Comments:

* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.

EPA Method 525.2---One of the three surrogates was above method acceptance limits. 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 04/10/2018

Acenaphthylene <0.20
 Aldrin <0.20
 Anthracene <0.20
 Benzo(a)anthracene <0.20
 Benzo[b]fluoranthene <0.20
 Benzo[g,h,i]perylene <0.20
 Benzo[k]fluoranthene <0.20
 Bromacil <0.20
 Butachlor <0.20
 Butylbenzylphthalate <2.0
 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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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 : 04/10/2018

Report ID# : 20180410131328AE16160

Lab Sample ID# : AE16160
Sample Priority : NORMAL
TCEQ ID#(s) : 1809246

Water Source :
Entry Point(s) : EP001

Date Collected : 02/28/2018 10:09
Date Received : 03/01/2018
Date Analyzed : 03/19/2018

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

Regulated Compounds	Result	Qualifier
Chlordane ¹	<0.20	
Endrin ¹	<0.01	
Heptachlor epoxide ¹	<0.02	
Toxaphene ¹	<1.0	

Comments:

EPA Method 525.2---One of the three surrogates was above method acceptance limits. 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 AMIERTSCH on 04/10/2018



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*RAD-GRAB Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 06/14/2018
Report ID# : 20180614094820AE15972

Lab Sample ID# : AE15972
Sample Priority : NORMAL
TCEQ ID#(s) : 1810922

Water Source :
Entry Point(s) : EP001

Date Collected : 02/28/2018 10:12
Date Received : 03/01/2018

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	03/01/2018	IU
pH Check	Completed		EPA 200.2	03/02/2018	BF
Turbidity Screen	Completed		SM 2130B	03/02/2018	BF
Visible Particles	Completed			03/02/2018	BF
Uranium ¹	< 0.0010	mg/L	EPA 200.8	04/05/2018	IU

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 VKAMMERDIENER on 06/13/2018



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*RAD-GRAB Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 06/14/2018
Report ID#: 20180614094820AE15972

Lab Sample ID# : AE15972
Sample Priority : NORMAL
TCEQ ID#(s) : 1810922

Water Source :
Entry Point(s) : EP001

Date Collected : 02/28/2018 10:12
Date Received : 03/01/2018

Sample Cond. : Acceptable

Analyte	Result	Uncertainty k=2	MDA	Unit	Yield	Method	Date Analyzed	Analyst
Gross Alpha ¹	<3.0		1.2	pCi/L		EPA 900.0	03/21/2018	AW
Gross Beta ¹	8.4	0.88		pCi/L		EPA 900.0	03/21/2018	AW
Radium-228 ¹	<1.0		0.57	pCi/L	0.767	SM 7500-Ra D	05/29/2018	CS

Comments:

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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 : 10/04/2018
 Report ID# : 20181004101815AE40028

Lab Sample ID# : AE40028	Water Source :	Date Collected : 09/12/2018 13:45	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 09/14/2018	Method : EPA 524.2
TCEQ ID#(s) : 1806912		Date Analyzed : 09/19/2018	Analyst : TW
			Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier	Monitored Cmpds.[40 CFR 141.40(j)]	Result	Qualifier
Benzene ¹	<0.5		1,2,4-Trimethylbenzene	<1.0	
Carbon tetrachloride ¹	<0.5		1,2,3-Trichlorobenzene	<1.0	
Monochlorobenzene ¹	<0.5		n-Propylbenzene	<1.0	
o-Dichlorobenzene ¹	<0.5		n-Butylbenzene	<1.0	
para-Dichlorobenzene ¹	<0.5		Naphthalene	<1.0	
1,2-Dichloroethane ¹	<0.5		Hexachlorobutadiene	<1.0	
1,1-Dichloroethylene ¹	<0.5		1,3,5-Trimethylbenzene	<1.0	
cis-1,2-Dichloroethylene ¹	<0.5		4-Isopropyltoluene	<1.0	
trans-1,2-Dichloroethylene ¹	<0.5		Isopropylbenzene	<1.0	
1,2-Dichloropropane ¹	<0.5		t-Butylbenzene	<1.0	
Dichloromethane ¹	<0.5		s-Butylbenzene	<1.0	
Ethylbenzene ¹	<0.5		Trichlorofluoromethane	<2.0	
Styrene ¹	<0.5		Dichlorodifluoromethane	<2.0	
Tetrachloroethylene ¹	<0.5		Bromochloromethane	<1.0	
Toluene ¹	<0.5		Other Compounds	Result	Qualifier
1,2,4-Trichlorobenzene ¹	<0.5		Acetone	<10	
1,1,1-Trichloroethane ¹	<0.5		Acrylonitrile	<10	
1,1,2-Trichloroethane ¹	<0.5		2-Butanone (MEK)	<10	
Trichloroethylene ¹	<0.5		Carbon disulfide	<1.0	
Vinyl chloride ¹	<0.5		Ethyl methacrylate	<1.0	
Xylenes (total) ¹	<0.5		2-Hexanone	<1.0	
Monitored Cmpds.[40 CFR 141.40(e)]	Result	Qualifier	Iodomethane	<5.0	
Chloroform	4.3		Methyl methacrylate	<1.0	
Bromodichloromethane	12		4-Methyl-2-pentanone (MIBK)	<2.0	
Dibromochloromethane	17		Methyl-t-butyl ether (MTBE)	<0.5	
Bromoform	15		Tetrahydrofuran	<5.0	
Dibromomethane	<1.0		Comments:		
1,3-Dichlorobenzene	<1.0		N - See sample comments.		
1,1-Dichloropropene	<1.0		EPA Method 524.2 - CCV/LFB recovery exceeded method		
1,1-Dichloroethane	<1.0		acceptance limits. Bromomethane was not detected in the		
1,1,2,2-Tetrachloroethane	<1.0		sample. The test results on this report relate only to the		
1,3-Dichloropropane	<1.0		sample identified on this report. The test results for analytes		
Chloromethane	<2.0		noted(¹) meet all TNI (2009 Standard) requirements.		
Bromomethane	<2.0	N	Authorized by Chemist III JOBARE on 10/04/2018		
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				



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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 : 03/08/2018
Report ID# : 20180308093759AE16028

Lab Sample ID# : AE16028
Sample Priority : NORMAL
TCEQ ID#(s) : 1841015

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

Date Collected : 02/28/2018 11:31
Date Received : 03/01/2018
Date Analyzed : 03/06/2018

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

Trihalomethanes	Result	Qualifier
Chloroform	3.3	
Bromodichloromethane	10.3	
Dibromochloromethane	17.6	
Bromoform	16.1	
Total Trihalomethanes ¹	47.3	

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 Team Lead HHAJIPOUR on 03/08/2018



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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 : 03/20/2018

Report ID#: 20180320112036AE16030

Lab Sample ID# : AE16030
Sample Priority : NORMAL
TCEQ ID#(s) : 1840164

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

Date Collected : 02/28/2018 10:51
Date Received : 03/01/2018
Date Analyzed : 03/09/2018
Extraction Date : 03/07/2018
Conc. Units : µg/L
Method : 552.2 Rev 1.0
Analyst : TH
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	6.2	
Trichloroacetic acid	<1.0	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	10.6	
Total HAA5 ¹	16.8	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	9.6	
Dalapon	<1.0	

Comments:

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Authorized by Group Manager TDUNN on 03/19/2018



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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 : 06/21/2018

Report ID# : 20180621090203AE30025

Lab Sample ID# : AE30025
Sample Priority : NORMAL
TCEQ ID#(s) : 1841126

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

Date Collected : 06/14/2018 09:55
Date Received : 06/15/2018
Date Analyzed : 06/18/2018

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

Trihalomethanes	Result	Qualifier
Chloroform	4.9	
Bromodichloromethane	14.0	
Dibromochloromethane	21.9	
Bromoform	15.9	
Total Trihalomethanes ¹	56.7	

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 III LZHONG on 06/20/2018



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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 : 06/26/2018

Report ID# : 20180626081610AE30031

Lab Sample ID# : AE30031
Sample Priority : NORMAL
TCEQ ID#(s) : 1840265

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

Date Collected : 06/14/2018 09:17 Conc. Units : µg/L
Date Received : 06/15/2018 Method : 552.2 Rev 1.0
Date Analyzed : 06/23/2018 Analyst : HJ
Extraction Date : 06/20/2018 Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	8.8	
Trichloroacetic acid	1.1	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	13.8	
Total HAA5 ¹	23.7	

Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	13.5	
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 III BFLAMMANG on 06/25/2018



Texas Department of State Health Services

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LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

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 : 09/25/2018

Report ID# : 20180925072944AE40014

Lab Sample ID# : AE40014
Sample Priority : NORMAL
TCEQ ID#(s) : 1841553

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

Date Collected : 09/12/2018 14:11
Date Received : 09/14/2018
Date Analyzed : 09/19/2018

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

Trihalomethanes	Result	Qualifier
Chloroform	4.1	
Bromodichloromethane	13.5	
Dibromochloromethane	23.4	
Bromoform	24.6	
Total Trihalomethanes ¹	65.6	

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 Team Lead HHAJIPOUR on 09/21/2018



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1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 09/25/2018

Report ID# : 20180925072944AE40019

Lab Sample ID# : AE40019
Sample Priority : NORMAL
TCEQ ID#(s) : 1840752

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

Date Collected : 09/12/2018 13:06
Date Received : 09/14/2018
Date Analyzed : 09/19/2018
Extraction Date : 09/18/2018

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

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	8.9	
Trichloroacetic acid	1.5	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	16.8	
Total HAA5 ¹	27.2	
Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	15.2	
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 III BFLAMMANG on 09/24/2018



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LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

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 : 12/06/2018

Report ID# : 20181206102151AE46656

Lab Sample ID# : AE46656
Sample Priority : NORMAL
TCEQ ID#(s) : 1841684

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

Date Collected : 11/20/2018 11:28
Date Received : 11/21/2018
Date Analyzed : 12/03/2018

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

Trihalomethanes	Result	Qualifier
Chloroform	9.1	
Bromodichloromethane	10.7	
Dibromochloromethane	5.3	
Bromoform	1.4	
Total Trihalomethanes ¹	26.5	

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.



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1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 12/13/2018

Report ID# : 20181213103229AE46661

Lab Sample ID# : AE46661
Sample Priority : NORMAL
TCEQ ID#(s) : 1840873

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

Date Collected : 11/20/2018 10:52
Date Received : 11/21/2018
Date Analyzed : 12/01/2018
Extraction Date : 11/29/2018
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	17.3	
Trichloroacetic acid	2.4	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	3.9	
Total HAA5 ¹	23.6	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	10.4	
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 Chemist III BFLAMMANG on 12/07/2018