

2014 Water Analysis



The following are all water analysis for the year indicated, collected and analyzed by contractors working on behalf of the Texas Commission on Environmental Quality (TCEQ), for monitoring the Upper Leon River MWD's Water System.

Analysis Type	Collection Date	Analysis Date
Cyanide	03/18/14	03/25/14 (reported)
Minerals	03/18/14	04/01/14 (reported)
Metals	03/18/14	04/08/14 (reported)
Trihalomethanes (TTHM)	03/18/14	04/02/14
Haloacetic Acids (HAA5)	03/18/14	04/03/14
Pesticides	03/18/14	04/23/14
SOC ₅	03/18/14	07/17/14 (reported)
Trihalomethanes (THM)	06/26/14	07/10/14
Haloacetic Acids (HAA5)	06/26/14	07/08/14
SOC ₅	06/26/14	08/19/14 (reported)
Pesticides	06/26/14	07/11/14
VOC (Volatiles)	09/24/14	10/28/14 (reported)
Trihalomethanes (THM)	09/24/14	10/07/14
Haloacetic Acids (HAA5)	09/24/14	10/10/14
Trihalomethanes (THM)	12/03/14	12/16/14
Haloacetic Acids (HAA5)	12/03/14	12/10/14



Texas Department of State Health Services

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

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

*SINGLE MINERAL Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 03/25/2014
Report ID# : 20140325094400AC47289

Lab Sample ID# : AC47289
Sample Priority : NORMAL
TCEQ ID#(s) : 1451613

Water Source :
Entry Point(s) : EP001

Date Collected : 03/18/2014 10:50
Date Received : 03/19/2014

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Total Cyanide ¹	0.04	mg/L	10-204-00-1-X	03/23/2014 09:48	LM

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 LMCELHANEY on 03/25/2014



Texas Department of State Health Services

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

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
2250 HIGHWAY 2861
COMANCHE, TX 76442-5619

Date Reported : 04/01/2014
Report ID#: 20140401095444AC47244

Lab Sample ID# : AC47244
Sample Priority : NORMAL
TCEQ ID#(s) : 1420497

Water Source :
Entry Point(s) : EP001

Date Collected : 03/18/2014 10:47
Date Received : 03/19/2014

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.50	pH			
Diluted Conductance ¹	725	µmho/cm	SM 2510 B	03/19/2014 13:30	BF
Phenolphthalein Alkalinity as CaCO ₃	<2	mg/L	SM 2320B	03/20/2014 11:18	MD
Total Alkalinity as CaCO ₃	92	mg/L	SM 2320B	03/20/2014 11:18	MD
Bicarbonate	112	mg/L	SM 2320B	03/20/2014 11:18	MD
Carbonate	<2	mg/L	SM 2320B	03/20/2014 11:18	MD
Fluoride ¹	0.17	mg/L	EPA 300.0	03/21/2014 12:49	MD
Chloride ¹	106	mg/L	EPA 300.0	03/24/2014 09:52	MD
Sulfate ¹	72	mg/L	EPA 300.0	03/21/2014 12:49	MD
Total Dissolved Solids ¹	374	mg/L	SM 2540C	03/20/2014 09:00	BF
Nitrate as N ¹	0.08	mg/L	EPA 353.2	03/19/2014 13:49	AH

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 Analyst LARCHER on 03/27/2014



Texas Department of State Health Services

PO BOX 149347
 AUSTIN, TEXAS 78714-9347
 1-888-963-7111
 www.dshs.state.tx.us

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

*ALL METALS Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 04/08/2014
 Report ID# : 20140408121030AC47320

Lab Sample ID# : AC47320 Water Source : Date Collected : 03/18/2014 10:47
 Sample Priority : NORMAL Entry Point(s) : EP001 Date Received : 03/19/2014
 TCEQ ID#(s) : 1417408

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	03/19/2014	PG
pH Check	Completed		EPA 200.2	03/21/2014	IU
Turbidity Screen	Completed		SM 2130B	03/21/2014	IU
Visible Particles	Completed			03/21/2014	IU
Total Hardness as CaCO3 by Calculation	179	mg/L	SM 2340B	03/31/2014	PG
Aluminum ¹	0.115	mg/L	EPA 200.8	04/01/2014	PG
Antimony ¹	< 0.0010	mg/L	EPA 200.8	03/24/2014	PG
Arsenic ¹	0.0024	mg/L	EPA 200.8	03/24/2014	PG
Barium ¹	0.0894	mg/L	EPA 200.8	03/24/2014	PG
Beryllium ¹	< 0.00080	mg/L	EPA 200.8	03/26/2014	PG
Cadmium ¹	< 0.0010	mg/L	EPA 200.8	03/24/2014	PG
Calcium	43.2	mg/L	EPA 200.7	03/31/2014	PG
Chromium ¹	< 0.0100	mg/L	EPA 200.8	03/24/2014	PG
Copper ¹	< 0.0020	mg/L	EPA 200.8	03/24/2014	PG
Iron ¹	< 0.010	mg/L	EPA 200.7	03/31/2014	PG
Lead ¹	< 0.0010	mg/L	EPA 200.8	03/24/2014	PG
Magnesium ¹	17.2	mg/L	EPA 200.7	03/31/2014	PG
Manganese ¹	0.0046	mg/L	EPA 200.8	03/24/2014	PG
Mercury ¹	< 0.00040	mg/L	EPA 245.1	03/25/2014	HN
Nickel ¹	0.0019	mg/L	EPA 200.8	03/24/2014	PG
Potassium ¹	10.8	mg/L	EPA 200.7	03/31/2014	PG
Selenium ¹	0.0046	mg/L	EPA 200.8	03/24/2014	PG
Silver ¹	< 0.0100	mg/L	EPA 200.8	03/24/2014	PG
Sodium ¹	53.5	mg/L	EPA 200.7	03/31/2014	PG
Thallium ¹	< 0.00040	mg/L	EPA 200.8	03/24/2014	PG
Zinc ¹	< 0.0050	mg/L	EPA 200.8	03/24/2014	PG

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 EBOYER on 04/08/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Trihalomethanes by GC Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 04/24/2014
Report ID# : 20140424100412AC47354

Lab Sample ID# : AC47354
Sample Priority : NORMAL
TCEQ ID#(s) : 1433149

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

Date Collected : 03/18/2014 11:26
Date Received : 03/19/2014
Date Analyzed : 04/02/2014
Extraction Date : 03/28/2014
Conc. Units : µg/L
Method : EPA 551.1
Analyst : LZ
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	1.8	
Bromodichloromethane	8.4	
Dibromochloromethane	20.7	
Bromoform	26.0	
Total Trihalomethanes ¹	56.9	

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 04/23/2014



Texas Department of State Health Services

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

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

Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 04/24/2014
Report ID# : 20140424100412AC47358

Lab Sample ID# : AC47358
Sample Priority : NORMAL
TCEQ ID#(s) : 1431721

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

Date Collected : 03/18/2014 12:02
Date Received : 03/19/2014
Date Analyzed : 04/03/2014
Extraction Date : 03/26/2014
Conc. Units : µg/L
Method : 552.2 Rev 1.0
Analyst : AM
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	5.0	
Trichloroacetic acid	<1.0	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	12.3	
Total HAA5 ¹	17.3	

Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	9.1	
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 Analyst TBOROWSKI on 04/23/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Pesticides by Method 508.1 Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 07/17/2014

Report ID# : 20140717130716AC47461

**AMENDED
REPORT**

Lab Sample ID# : AC47461
Sample Priority : NORMAL
TCEQ ID#(s) : 1404151

Water Source :
Entry Point(s) : EP001

Date Collected : 03/18/2014 10:46
Date Received : 03/19/2014
Date Analyzed : 04/23/2014

Conc. Units : ug/L
Method : 508.1 Rev. 2.0
Analyst : JO
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:

Amended report replaces Report ID#
20140515111513AC47461. 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 Analyst XJI on 07/17/2014



Texas Department of State Health Services

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

PO BOX 149347
 AUSTIN, TEXAS 78714-9347
 1-888-963-7111
 www.dshs.state.tx.us

Semivolatiles Organic Analysis Report

**AMENDED
 REPORT**

Submitter Identification Number: 0470015

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

Date Reported : 07/17/2014
 Report ID# : 20140717130716AC47461

Lab Sample ID# : AC47461	Water Source :	Date Collected : 03/18/2014 10:46	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 03/19/2014	Method : EPA 525.2
TCEQ ID#(s) : 1404151		Date Analyzed : 04/24/2014	Analyst : MK
		Extraction Date : 03/28/2014	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor ¹	<0.2		Dimethylphthalate	<2.0	
Atrazine ¹	<0.1		Fluorene	<0.20	
Benzo[a]pyrene ¹	<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 ¹	<0.6		Metribuzin	<0.20	
Di(2-ethylhexyl) phthalate ¹	<0.6		Naphthalene	<0.20	
Heptachlor ¹	<0.04		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	
Hexachlorobenzene ¹	<0.1		2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Hexachlorocyclopentadiene ¹	<0.1	*	Phenanthrene	<0.20	
Lindane ¹	<0.02		Prometon	<0.20	*
Methoxychlor ¹	<0.1		Propachlor	<0.20	
Pentachlorophenol ¹	<0.04		Pyrene	<0.20	
Simazine ¹	<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	
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				

Comments:

* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.
 Amended report replaces Report ID# 20140515111513AC47461. 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 Analyst XJI on 07/17/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Trihalomethanes by GC Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 07/15/2014

Report ID# : 20140715090704AC58212

Lab Sample ID# : AC58212
Sample Priority : NORMAL
TCEQ ID#(s) : 1433469

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

Date Collected : 06/26/2014 11:18
Date Received : 06/27/2014
Date Analyzed : 07/10/2014
Extraction Date : 07/04/2014

Conc. Units : µg/L
Method : EPA 551.1
Analyst : LZ
Sample Cond. : Acceptable

<u>Trihalomethanes</u>	<u>Result</u>	<u>Qualifier</u>
Chloroform	3.0	
Bromodichloromethane	11.8	
Dibromochloromethane	29.9	
Bromoform	39.9	
Total Trihalomethanes ¹	84.6	

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 HHAJPOUR on 07/11/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 07/22/2014

Report ID# : 20140722093555AC58214

Lab Sample ID# : AC58214
Sample Priority : NORMAL
TCEQ ID#(s) : 1431998

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

Date Collected : 06/26/2014 11:57
Date Received : 06/27/2014
Date Analyzed : 07/08/2014
Extraction Date : 07/03/2014

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

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	7.5	
Trichloroacetic acid	1.1	
Monobromoacetic acid	2.1	
Dibromoacetic acid	22.5	
Total HAA5 ¹	33.2	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	16.2	
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 Analyst TBOROWSKI on 07/18/2014

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

**Semivolatiles Organic
Analysis Report**

Submitter Identification Number: 0470015

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

Date Reported : 08/19/2014

Report ID# : 20140819074950AC58296

Lab Sample ID# : AC58296
Sample Priority : NORMAL
TCEQ ID#(s) : 1405023

Water Source :
Entry Point(s) : EP001

Date Collected : 06/26/2014 10:50
Date Received : 06/27/2014
Date Analyzed : 07/21/2014
Extraction Date : 07/10/2014

Conc. Units : µg/L
Method : EPA 525.2
Analyst : XJ
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor ¹	<0.2		Dimethylphthalate	<2.0	
Atrazine ¹	<0.1		Fluorene	<0.20	
Benzo[a]pyrene ¹	<0.02		2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.51	
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 ¹	<0.6		Metribuzin	<0.20	
Di(2-ethylhexyl) phthalate ¹	<0.6		Naphthalene	<0.20	
Heptachlor ¹	<0.04		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.51	
Hexachlorobenzene ¹	<0.1		2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Hexachlorocyclopentadiene ¹	<0.1	*Y	Phenanthrene	<0.20	
Lindane ¹	<0.02		Prometon	<0.20	*
Methoxychlor ¹	<0.1		Propachlor	<0.20	
Pentachlorophenol ¹	<0.04		Pyrene	<0.20	
Simazine ¹	<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	
Acenaphthylene	<0.20		Comments:		
Aldrin	<0.20		* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.		
Anthracene	<0.20		Y - CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.		
Benzo(a)anthracene	<0.20		No duplicate samples were available for matrix spike analyses (LFMs) for this extraction batch for Methods 525.2 or 508.1. 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.		
Benzo[b]fluoranthene	<0.20		Authorized by Branch Manager CHOGBERG on 08/15/2014		
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				



Texas Department of State Health Services

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

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

Pesticides by Method 508.1 Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 08/19/2014

Report ID#: 20140819074950AC58296

Lab Sample ID#: AC58296
Sample Priority : NORMAL
TCEQ ID#(s) : 1405023

Water Source :
Entry Point(s) : EP001

Date Collected : 06/26/2014 10:50
Date Received : 06/27/2014
Date Analyzed : 07/11/2014

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

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

Comments:

No duplicate samples were available for matrix spike analyses (LFMs) for this extraction batch for Methods 525.2 or 508.1. 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 Branch Manager CHOGBERG on 08/15/2014



Texas Department of State Health Services

PO BOX 149347
 AUSTIN, TEXAS 78714-9347
 1-888-963-7111
 www.dshs.state.tx.us

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

Volatile Organic Compounds by GC/MS Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 10/28/2014
 Report ID# : 20141028090219AC68105

Lab Sample ID# : AC68105
 Sample Priority : NORMAL
 TCEQ ID#(s) : 1401836

Water Source :
 Entry Point(s) : EP001

Date Collected : 09/24/2014 10:02
 Date Received : 09/25/2014
 Date Analyzed : 10/03/2014

Conc. Units : µg/L
 Method : EPA 524.2
 Analyst : DY
 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	<2.0	
Chloroform	3.0		Methyl methacrylate	<1.0	
Bromodichloromethane	6.9		4-Methyl-2-pentanone (MIBK)	<2.0	
Dibromochloromethane	9.0		Methyl-t-butyl ether (MTBE)	<2.0	
Bromoform	6.9		Tetrahydrofuran	<5.0	
Dibromomethane	<1.0		Vinyl acetate	<10	
1,3-Dichlorobenzene	<1.0		Comments:		
1,1-Dichloropropene	<1.0		The test results on this report relate only to the sample		
1,1-Dichloroethane	<1.0		identified on this report. The test results for analytes noted(¹)		
1,1,2,2-Tetrachloroethane	<1.0		meet all TNI (2009 Standard) requirements.		
1,3-Dichloropropane	<1.0		Authorized by Branch Manager CHOGBERG on 10/24/2014		
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				



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Trihalomethanes by GC Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 10/09/2014
Report ID# : 20141009135320AC68073

Lab Sample ID# : AC68073
Sample Priority : NORMAL
TCEQ ID#(s) : 1434022

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

Date Collected : 09/24/2014 10:30
Date Received : 09/25/2014
Date Analyzed : 10/07/2014
Extraction Date : 10/03/2014

Conc. Units : µg/L
Method : EPA 551.1
Analyst : LZ
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	3.1	
Bromodichloromethane	8.7	
Dibromochloromethane	17.1	
Bromoform	24.3	
Total Trihalomethanes ¹	53.2	

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 10/08/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 10/21/2014

Report ID# : 20141021091705AC68078

Lab Sample ID# : AC68078
Sample Priority : NORMAL
TCEQ ID#(s) : 1432278

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

Date Collected : 09/24/2014 11:15
Date Received : 09/25/2014
Date Analyzed : 10/10/2014
Extraction Date : 10/02/2014

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

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	8.2	
Trichloroacetic acid	1.2	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	11.6	
Total HAA5 ¹	21.0	
Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	10.0	
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 10/17/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Trihalomethanes by GC Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 12/23/2014

Report ID# : 20141223083523AC73467

Lab Sample ID# : AC73467
Sample Priority : NORMAL
TCEQ ID#(s) : 1434312

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

Date Collected : 12/03/2014 16:16
Date Received : 12/04/2014
Date Analyzed : 12/16/2014
Extraction Date : 12/09/2014

Conc. Units : µg/L
Method : EPA 551.1
Analyst : JL
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	2.6	
Bromodichloromethane	9.8	
Dibromochloromethane	24.0	
Bromoform	32.7	
Total Trihalomethanes ¹	69.1	

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 12/19/2014



Texas Department of State Health Services

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

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 12/18/2014
Report ID# : 20141218090622AC73471

Lab Sample ID# : AC73471	Water Source :	Date Collected : 12/03/2014 15:37	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : DBP2-01	Date Received : 12/04/2014	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 1432851		Date Analyzed : 12/10/2014	Analyst : KL
		Extraction Date : 12/05/2014	Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	7.8	
Trichloroacetic acid	<1.0	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	18.3	
Total HAA5 ¹	26.1	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	14.4	
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 12/16/2014